

proof_platform

Scalable Web Scrapping

Developer documentation

Tomáš Kocman, Libor Polčák



TARZAN project VI20172020062 document
Faculty of Information Technology, Brno University of Technology

Last change: March 2, 2020

proof_platform

Generated by Doxygen 1.8.16

1 Lemmiwinks	1
1.0.0.1 Authors: Bc. Tomáš Kocman, Ing. Libor Polčák, Ph.D. 	1
1.0.1 Steps to run Lemmiwinks unit tests	1
1.0.2 Steps to run Lemmiwinks	1
2 Scrapy	3
2.0.0.1 Authors: Bc. Tomáš Kocman, Ing. Libor Polčák, Ph.D. 	3
2.0.1 Steps to run Scrapy unit tests	3
2.0.2 Steps to run REST API	3
3 Scrapy web test	5
3.0.1 Steps to run web server	5
4 Namespace Index	7
4.1 Namespace List	7
5 Hierarchical Index	9
5.1 Class Hierarchy	9
6 Class Index	13
6.1 Class List	13
7 File Index	17
7.1 File List	17
8 Namespace Documentation	19
8.1 app Namespace Reference	19
8.1.1 Variable Documentation	19
8.1.1.1 api	19
8.1.1.2 app	19
8.1.1.3 debug	19
8.1.1.4 host	20
8.1.1.5 werkzeug_file_handler	20
8.1.1.6 werkzeug_logger	20
8.2 basicplatform Namespace Reference	20
8.3 basicplatform.items Namespace Reference	20
8.4 basicplatform.middlewares Namespace Reference	20
8.5 basicplatform.pipelines Namespace Reference	20
8.6 basicplatform.pipelines.redis Namespace Reference	21
8.7 basicplatform.settings Namespace Reference	21
8.7.1 Variable Documentation	21
8.7.1.1 ALLOWED_DOMAINS	21
8.7.1.2 FORM_LOGIN	21
8.7.1.3 FORM_NAME	21
8.7.1.4 FORM_PASSWORD	22

8.7.1.5 ITEM_PIPELINES	22
8.7.1.6 JOB	22
8.7.1.7 LOG_LEVEL	22
8.7.1.8 LOG_STDOUT	22
8.7.1.9 LOGIN_URL	22
8.7.1.10 PATTERN	22
8.7.1.11 REDIS_PIPELINE_URL	23
8.7.1.12 REDIS_QUEUE	23
8.7.1.13 ROBOTSTXT_OBEY	23
8.7.1.14 SPIDER_MODULES	23
8.7.1.15 START_URLS	23
8.8 basicplatform.spiders Namespace Reference	23
8.9 basicplatform.spiders.basic Namespace Reference	23
8.10 basicplatform.spiders.login Namespace Reference	24
8.11 create Namespace Reference	24
8.11.1 Variable Documentation	24
8.11.1.1 end	24
8.11.1.2 f	24
8.11.1.3 index	24
8.11.1.4 indices	25
8.11.1.5 item	25
8.11.1.6 model	25
8.11.1.7 np	25
8.11.1.8 per_index	25
8.11.1.9 properties	25
8.11.1.10 start	25
8.12 lemmywinks Namespace Reference	26
8.13 lemmywinks.archive Namespace Reference	26
8.14 lemmywinks.archive.abstract Namespace Reference	26
8.15 lemmywinks.archive.archive Namespace Reference	26
8.16 lemmywinks.archive.maff Namespace Reference	26
8.17 lemmywinks.archive.migration Namespace Reference	27
8.18 lemmywinks.archive.migration.abstract Namespace Reference	27
8.19 lemmywinks.archive.migration.container Namespace Reference	27
8.20 lemmywinks.archive.migration.migrate Namespace Reference	27
8.21 lemmywinks.archive.rdfinfo Namespace Reference	28
8.22 lemmywinks.extractor Namespace Reference	28
8.23 lemmywinks.extractor.abstract Namespace Reference	28
8.24 lemmywinks.extractor.extractor Namespace Reference	28
8.25 lemmywinks.httplib Namespace Reference	29
8.26 lemmywinks.httplib.abstract Namespace Reference	29
8.27 lemmywinks.httplib.client Namespace Reference	29

8.28 lemmiwinks.httplib.container Namespace Reference	29
8.28.1 Variable Documentation	29
8.28.1.1 AIOProxy	30
8.28.1.2 Proxy	30
8.29 lemmiwinks.httplib.exception Namespace Reference	30
8.30 lemmiwinks.httplib.provider Namespace Reference	30
8.31 lemmiwinks.httplib.resolver Namespace Reference	30
8.32 lemmiwinks.lemmiwinks Namespace Reference	30
8.33 lemmiwinks.parslib Namespace Reference	31
8.34 lemmiwinks.parslib.abstract Namespace Reference	31
8.35 lemmiwinks.parslib.exception Namespace Reference	31
8.36 lemmiwinks.parslib.parser Namespace Reference	31
8.36.1 Variable Documentation	31
8.36.1.1 DEFAULT_ENCODING	32
8.37 lemmiwinks.parslib.provider Namespace Reference	32
8.38 lemmiwinks.pathgen Namespace Reference	32
8.39 lemmiwinks.singleton Namespace Reference	32
8.40 lemmiwinks.taskwrapper Namespace Reference	32
8.40.1 Function Documentation	32
8.40.1.1 task()	32
8.41 model Namespace Reference	33
8.42 models Namespace Reference	33
8.43 models.job Namespace Reference	33
8.44 pharty3 Namespace Reference	33
8.44.1 Variable Documentation	33
8.44.1.1 aio_archive	34
8.44.1.2 Base	34
8.44.1.3 db_connection	34
8.44.1.4 db_engine	34
8.44.1.5 Session	34
8.45 resources Namespace Reference	34
8.46 resources.job Namespace Reference	34
8.46.1 Function Documentation	35
8.46.1.1 set_selenium()	35
8.46.1.2 set_value()	35
8.47 settings Namespace Reference	36
8.47.1 Variable Documentation	36
8.47.1.1 DB_DEBUG	36
8.47.1.2 DB_NAME	36
8.47.1.3 DB_URL	36
8.47.1.4 LOG_CONSOLE_LEVEL	36
8.47.1.5 LOG_FILE_LEVEL	36

8.47.1.6 LOG_PATH	37
8.47.1.7 REDIS_ADDRESS	37
8.47.1.8 REDIS_QUEUE	37
8.47.1.9 SCRAPY_PROJECT_PATH	37
8.48 test_archive Namespace Reference	37
8.48.1 Variable Documentation	37
8.48.1.1 loop	37
8.49 test_db Namespace Reference	38
8.49.1 Variable Documentation	38
8.49.1.1 loop	38
8.50 test_redis Namespace Reference	38
8.50.1 Variable Documentation	38
8.50.1.1 loop	38
8.51 testplatform Namespace Reference	38
8.52 testplatform.items Namespace Reference	39
8.53 testplatform.middlewares Namespace Reference	39
8.54 testplatform.pipelines Namespace Reference	39
8.55 testplatform.settings Namespace Reference	39
8.55.1 Variable Documentation	39
8.55.1.1 ALLOWED_DOMAINS	40
8.55.1.2 BOT_NAME	40
8.55.1.3 CLOSESPIDER_ITEMCOUNT	40
8.55.1.4 FORM_LOGIN	40
8.55.1.5 FORM_NAME	40
8.55.1.6 FORM_PASSWORD	40
8.55.1.7 LOGIN_URL	40
8.55.1.8 NEWSPIDER_MODULE	40
8.55.1.9 PASSWORD	41
8.55.1.10 ROBOTSTXT_OBEY	41
8.55.1.11 SPIDER_MODULES	41
8.55.1.12 START_URLS_BASIC	41
8.55.1.13 START_URLS_LOGIN	41
8.55.1.14 USERNAME	41
8.56 testplatform.spiders Namespace Reference	41
8.57 testplatform.spiders.test_basic Namespace Reference	42
8.58 testplatform.spiders.test_login Namespace Reference	42
8.59 utils Namespace Reference	42
8.59.1 Function Documentation	42
8.59.1.1 deserialization()	42
8.59.2 Variable Documentation	43
8.59.2.1 ma	43
8.60 view Namespace Reference	43

8.61 web Namespace Reference	43
8.61.1 Function Documentation	44
8.61.1.1 get_if()	44
8.61.2 Variable Documentation	44
8.61.2.1 benchmark	44
8.61.2.2 endpoint	44
8.61.2.3 factory	44
8.61.2.4 model	45
8.61.2.5 path	45
8.61.2.6 root	45
9 Class Documentation	47
9.1 lemmywinks.archive.migration.migrate._BaseElementTaskContainer Class Reference	47
9.1.1 Constructor & Destructor Documentation	48
9.1.1.1 __init__()	48
9.1.2 Member Function Documentation	49
9.1.2.1 update_css_declaration()	49
9.1.2.2 update_css_style()	49
9.1.2.3 update_link_stylesheet_ref()	49
9.1.2.4 update_source_attr()	49
9.1.3 Member Data Documentation	49
9.1.3.1 _css_declaration_handler	49
9.1.3.2 _css_file_handler	50
9.1.3.3 _css_style_handler	50
9.1.3.4 _download_source	50
9.1.3.5 _element_attr_updater	50
9.1.3.6 _element_src_attr_updater	50
9.1.3.7 _element_string_updater	50
9.2 lemmywinks.archive.migration.migrate._BaseHTMLMigration Class Reference	51
9.2.1 Constructor & Destructor Documentation	52
9.2.1.1 __init__()	52
9.2.2 Member Function Documentation	52
9.2.2.1 _migrate_css_declaration()	52
9.2.2.2 _migrate_css_file()	53
9.2.2.3 _migrate_css_style()	53
9.2.2.4 _migrate_html_elements_sources()	53
9.2.2.5 _migrate_iframes()	54
9.2.3 Member Data Documentation	54
9.2.3.1 _html_filter	54
9.2.3.2 _task	54
9.3 lemmywinks.archive.migration.migrate._HTMLEntityHandler Class Reference	55
9.3.1 Constructor & Destructor Documentation	57

9.3.1.1	<code>__init__()</code>	57
9.3.2	Member Function Documentation	57
9.3.2.1	<code>_register_path_for()</code>	57
9.3.3	Member Data Documentation	57
9.3.3.1	<code>__path_gen</code>	57
9.4	lemmiwinks.archive.archive._HTMLResponseLetter Class Reference	58
9.4.1	Constructor & Destructor Documentation	60
9.4.1.1	<code>__init__()</code>	60
9.4.2	Member Function Documentation	60
9.4.2.1	<code>__create_index_files_dir_in()</code>	60
9.4.2.2	<code>__create_rdf_to()</code>	61
9.4.2.3	<code>__init_attributes_of()</code>	61
9.4.2.4	<code>__save_index_htm_to()</code>	62
9.4.2.5	<code>__save_response_to()</code>	62
9.4.2.6	<code>write_to()</code>	63
9.4.3	Member Data Documentation	63
9.4.3.1	<code>__archive_time</code>	63
9.4.3.2	<code>__file_info</code>	63
9.4.3.3	<code>__index_file</code>	63
9.4.3.4	<code>__index_migration</code>	63
9.4.3.5	<code>__logger</code>	64
9.4.3.6	<code>__response</code>	64
9.4.3.7	<code>__settings</code>	64
9.5	lemmiwinks.archive.migration.migrate._RecursiveEntityHandler Class Reference	65
9.5.1	Detailed Description	67
9.5.2	Constructor & Destructor Documentation	67
9.5.2.1	<code>__init__()</code>	67
9.5.3	Member Function Documentation	67
9.5.3.1	<code>__log_error()</code>	67
9.5.3.2	<code>__migrate_entity_from()</code>	68
9.5.3.3	<code>__process_response()</code>	68
9.5.3.4	<code>__save_response()</code>	69
9.5.3.5	<code>_get_response_from()</code>	69
9.5.3.6	<code>_process_entity_recursively_from()</code>	70
9.5.3.7	<code>_register_path_for()</code>	70
9.5.3.8	<code>_update_path_for()</code>	70
9.5.3.9	<code>process()</code>	71
9.5.4	Member Data Documentation	71
9.5.4.1	<code>__logger</code>	71
9.5.4.2	<code>_recursion_limit</code>	71
9.5.4.3	<code>_src_register</code>	71
9.6	lemmiwinks.archive.archive._ResponseLetter Class Reference	72

9.6.1 Constructor & Destructor Documentation	74
9.6.1.1 <code>__init__()</code>	74
9.6.2 Member Function Documentation	74
9.6.2.1 <code>__create_rdf_to()</code>	74
9.6.2.2 <code>__init_attributes_of()</code>	75
9.6.2.3 <code>__save_response_to()</code>	75
9.6.2.4 <code>write_to()</code>	75
9.6.3 Member Data Documentation	76
9.6.3.1 <code>__archive_time</code>	76
9.6.3.2 <code>__file_info</code>	76
9.6.3.3 <code>__response</code>	76
9.7 lemmywinks.httplib.client.AIOClient Class Reference	77
9.7.1 Constructor & Destructor Documentation	79
9.7.1.1 <code>__init__()</code>	79
9.7.1.2 <code>__del__()</code>	79
9.7.2 Member Function Documentation	80
9.7.2.1 <code>__get_content_descriptor_from()</code>	80
9.7.2.2 <code>__get_response_from()</code>	80
9.7.2.3 <code>__get_url_and_status_from()</code>	81
9.7.2.4 <code>get_request()</code>	81
9.7.2.5 <code>headers()</code> [1/2]	82
9.7.2.6 <code>headers()</code> [2/2]	82
9.7.2.7 <code>post_request()</code>	82
9.7.2.8 <code>proxy()</code> [1/2]	83
9.7.2.9 <code>proxy()</code> [2/2]	83
9.7.2.10 <code>timeout()</code> [1/2]	84
9.7.2.11 <code>timeout()</code> [2/2]	84
9.7.3 Member Data Documentation	84
9.7.3.1 <code>__chunk_size</code>	84
9.7.3.2 <code>__connector</code>	85
9.7.3.3 <code>__cookies</code>	85
9.7.3.4 <code>__headers</code>	85
9.7.3.5 <code>__proxy</code>	85
9.7.3.6 <code>__session</code>	85
9.7.3.7 <code>__timeout</code>	85
9.8 pharty3.AIO Lemmywinks Class Reference	86
9.8.1 Detailed Description	88
9.8.2 Constructor & Destructor Documentation	88
9.8.2.1 <code>__init__()</code>	88
9.8.3 Member Function Documentation	88
9.8.3.1 <code>archive_response()</code>	89
9.8.3.2 <code>archive_task()</code>	89

9.8.3.3 create_content_descriptor()	90
9.8.3.4 store_to_db()	90
9.8.3.5 task_executor()	91
9.8.4 Member Data Documentation	91
9.8.4.1 client	91
9.8.4.2 db_session	91
9.8.4.3 delay_time	91
9.8.4.4 logger	92
9.8.4.5 redis	92
9.8.4.6 redis_queue	92
9.8.4.7 stop_condition	92
9.9 web.Api Class Reference	93
9.9.1 Member Function Documentation	94
9.9.1.1 _delayedRender()	94
9.9.2 Member Data Documentation	95
9.9.2.1 class_delay_setting	95
9.9.2.2 default_delay	95
9.10 lemmywinks.archive.archive.Archive Class Reference	96
9.10.1 Member Function Documentation	96
9.10.1.1 archive_as_maff()	96
9.11 pharty3.ArchiveSettings Class Reference	97
9.11.1 Detailed Description	98
9.11.2 Constructor & Destructor Documentation	98
9.11.2.1 __init__()	99
9.11.3 Member Function Documentation	99
9.11.3.1 css_parser()	99
9.11.3.2 html_parser()	99
9.11.3.3 http_client()	99
9.11.3.4 http_js_pool()	99
9.11.3.5 path_gen()	99
9.11.3.6 resolver()	100
9.11.4 Member Data Documentation	100
9.11.4.1 headers	100
9.12 lemmywinks.httplib.abstract.AsyncClient Class Reference	101
9.12.1 Member Function Documentation	102
9.12.1.1 get_request()	102
9.12.1.2 headers() [1/2]	103
9.12.1.3 headers() [2/2]	103
9.12.1.4 post_request()	103
9.12.1.5 proxy() [1/2]	104
9.12.1.6 proxy() [2/2]	104
9.12.1.7 timeout() [1/2]	105

9.12.1.8 timeout() [2/2]	105
9.13 lemmiwinks.httplib.abstract.AsyncJsClient Class Reference	106
9.13.1 Constructor & Destructor Documentation	107
9.13.1.1 __init__()	108
9.13.2 Member Function Documentation	108
9.13.2.1 cookies() [1/2]	108
9.13.2.2 cookies() [2/2]	108
9.13.2.3 get_request()	109
9.13.2.4 save_screenshot_to()	109
9.13.2.5 timeout() [1/2]	109
9.13.2.6 timeout() [2/2]	109
9.13.3 Member Data Documentation	110
9.13.3.1 _cookies	110
9.13.3.2 _logger	110
9.13.3.3 _timeout	110
9.14 Base Class Reference	110
9.15 lemmiwinks.archive.migration.abstract.BaseEntity Class Reference	111
9.15.1 Constructor & Destructor Documentation	112
9.15.1.1 __init__()	112
9.15.2 Member Function Documentation	113
9.15.2.1 __getattr__()	113
9.15.2.2 export()	113
9.15.2.3 migrate_external_sources()	113
9.15.3 Member Data Documentation	113
9.15.3.1 __property	113
9.16 lemmiwinks.extractor.abstract.BaseExtractor Class Reference	114
9.16.1 Member Function Documentation	115
9.16.1.1 extract()	115
9.17 lemmiwinks.archive.abstract.BaseLetter Class Reference	116
9.17.1 Member Function Documentation	117
9.17.1.1 write_to()	117
9.18 lemmiwinks.archive.migration.abstract.BaseMigration Class Reference	117
9.18.1 Member Function Documentation	118
9.18.1.1 migrate()	118
9.19 lemmiwinks.archive.migration.abstract.BaseProperty Class Reference	119
9.19.1 Constructor & Destructor Documentation	121
9.19.1.1 __init__()	121
9.19.2 Member Function Documentation	121
9.19.2.1 entity_location()	121
9.19.2.2 parser()	121
9.19.2.3 path_gen()	122
9.19.2.4 recursion_limit()	122

9.19.2.5 resolver()	122
9.19.2.6 resource_location()	122
9.19.3 Member Data Documentation	122
9.19.3.1 __entity_location	122
9.19.3.2 __parser	122
9.19.3.3 __path_gen	122
9.19.3.4 __recursion_limit	123
9.19.3.5 __resolver	123
9.19.3.6 __resource_location	123
9.20 web.BaseResource Class Reference	123
9.20.1 Member Function Documentation	124
9.20.1.1 render_GET()	124
9.20.2 Member Data Documentation	125
9.20.2.1 isLeaf	125
9.20.2.2 render_POST	125
9.21 basicplatform.items.BasicplatformItem Class Reference	126
9.21.1 Detailed Description	127
9.21.2 Member Data Documentation	128
9.21.2.1 date	128
9.21.2.2 headers	128
9.21.2.3 htmlcontent	128
9.21.2.4 job	128
9.21.2.5 regex_match	128
9.21.2.6 regex_pattern	128
9.21.2.7 server	128
9.21.2.8 spider	129
9.21.2.9 url	129
9.22 basicplatform.spiders.basic.BasicSpider Class Reference	129
9.22.1 Detailed Description	130
9.22.2 Member Function Documentation	130
9.22.2.1 parse_item()	131
9.22.3 Member Data Documentation	131
9.22.3.1 allowed_domains	131
9.22.3.2 name	131
9.22.3.3 pattern	131
9.22.3.4 rules	131
9.22.3.5 settings	132
9.22.3.6 start_urls	132
9.23 basicplatform.spiders.login.BasicSpider Class Reference	132
9.23.1 Detailed Description	133
9.23.2 Member Function Documentation	134
9.23.2.1 check_login_response()	134

9.23.2.2 login()	134
9.23.2.3 parse_item()	135
9.23.2.4 start_requests()	135
9.23.3 Member Data Documentation	136
9.23.3.1 allowed_domains	136
9.23.3.2 name	136
9.23.3.3 pattern	136
9.23.3.4 rules	136
9.23.3.5 settings	136
9.23.3.6 start_urls	136
9.24 testplatform.spiders.test_login.BasicSpider Class Reference	137
9.24.1 Member Function Documentation	138
9.24.1.1 login()	139
9.24.1.2 parse_item()	139
9.24.1.3 start_requests()	139
9.24.2 Member Data Documentation	140
9.24.2.1 allowed_domains	140
9.24.2.2 name	140
9.24.2.3 rules	140
9.24.2.4 settings	140
9.24.2.5 start_urls	140
9.25 web.Benchmark Class Reference	141
9.25.1 Member Function Documentation	142
9.25.1.1 render_GET()	142
9.25.2 Member Data Documentation	142
9.25.2.1 isLeaf	142
9.26 lemmiwinks.parslib.parser.BsElement Class Reference	143
9.26.1 Constructor & Destructor Documentation	145
9.26.1.1 __init__()	145
9.26.2 Member Function Documentation	145
9.26.2.1 __getitem__()	145
9.26.2.2 __setitem__()	145
9.26.2.3 __str__()	145
9.26.2.4 attrs()	146
9.26.2.5 name()	146
9.26.2.6 string() [1/2]	146
9.26.2.7 string() [2/2]	147
9.27 lemmiwinks.parslib.parser.BsHTMLParser Class Reference	148
9.27.1 Constructor & Destructor Documentation	150
9.27.1.1 __init__()	150
9.27.2 Member Function Documentation	150
9.27.2.1 __convert_to_bselement_list()	150

9.27.2.2	base() [1/2]	151
9.27.2.3	base() [2/2]	151
9.27.2.4	charset()	151
9.27.2.5	export()	152
9.27.2.6	find_elements()	152
9.27.2.7	text()	152
9.27.2.8	title()	152
9.27.3	Member Data Documentation	152
9.27.3.1	_soup	153
9.28	lemmiwinks.httplib.provider.ClientFactory Class Reference	153
9.28.1	Constructor & Destructor Documentation	153
9.28.1.1	__init__()	153
9.28.2	Member Function Documentation	154
9.28.2.1	client()	154
9.28.2.2	singleton_client()	154
9.28.3	Member Data Documentation	154
9.28.3.1	__cls	154
9.28.3.2	__kwargs	154
9.29	lemmiwinks.httplib.provider.ClientFactoryProvider Class Reference	155
9.29.1	Member Data Documentation	156
9.29.1.1	aio_factory	156
9.29.1.2	chrome_factory	156
9.29.1.3	firefox_factory	156
9.29.1.4	phantomjs_factory	156
9.29.1.5	selenium_factory	157
9.30	lemmiwinks.httplib.provider.ClientPool Class Reference	157
9.30.1	Constructor & Destructor Documentation	159
9.30.1.1	__init__()	159
9.30.1.2	__del__()	159
9.30.2	Member Function Documentation	159
9.30.2.1	__acquire_instance()	160
9.30.2.2	__get_awaitable_instance()	160
9.30.2.3	__is_instance_awaitable()	161
9.30.2.4	__update_instance_state_to()	161
9.30.2.5	acquire()	161
9.30.2.6	get_client()	162
9.30.2.7	release()	162
9.30.3	Member Data Documentation	163
9.30.3.1	__logger	163
9.30.3.2	_assign_dict	163
9.30.3.3	_factory	163
9.30.3.4	_kwargs	163

9.30.3.5	_lock	163
9.30.3.6	_max_pool	164
9.30.3.7	_semaphore	164
9.31	models.job.CreateJobModel Class Reference	164
9.31.1	Detailed Description	166
9.31.2	Member Data Documentation	166
9.31.2.1	allowedDomains	166
9.31.2.2	dynamicJavaScript	166
9.31.2.3	formLogin	166
9.31.2.4	formName	166
9.31.2.5	formPassword	166
9.31.2.6	job	166
9.31.2.7	logFile	167
9.31.2.8	loginUrl	167
9.31.2.9	logLevel	167
9.31.2.10	password	167
9.31.2.11	regexPattern	167
9.31.2.12	robotstxtObey	167
9.31.2.13	spider	167
9.31.2.14	startUrls	167
9.31.2.15	username	168
9.32	lemmiwinks.archive.migration.migrate.CSSDeclaration Class Reference	168
9.32.1	Constructor & Destructor Documentation	169
9.32.1.1	__init__()	170
9.32.2	Member Function Documentation	170
9.32.2.1	export()	170
9.32.2.2	migrate_external_sources()	170
9.32.3	Member Data Documentation	170
9.32.3.1	_css_migration	171
9.33	lemmiwinks.archive.migration.migrate.CssDeclarationHandler Class Reference	171
9.33.1	Constructor & Destructor Documentation	172
9.33.1.1	__init__()	173
9.33.2	Member Function Documentation	173
9.33.2.1	process()	173
9.33.3	Member Data Documentation	173
9.33.3.1	__declaration_location	173
9.33.3.2	__recursion_limit	173
9.33.3.3	__resource_location	173
9.33.3.4	__settings	173
9.33.3.5	__url	174
9.34	lemmiwinks.archive.migration.migrate.CssFile Class Reference	174
9.34.1	Constructor & Destructor Documentation	175

9.34.1.1 <code>__init__()</code>	176
9.34.2 Member Function Documentation	176
9.34.2.1 <code>export()</code>	176
9.34.2.2 <code>migrate_external_sources()</code>	176
9.34.3 Member Data Documentation	176
9.34.3.1 <code>_css_migration</code>	176
9.34.3.2 <code>_filepath</code>	177
9.35 <code>lemmiwinks.archive.migration.migrate.CSSFileHandler</code> Class Reference	178
9.35.1 Constructor & Destructor Documentation	180
9.35.1.1 <code>__init__()</code>	180
9.35.2 Member Function Documentation	180
9.35.2.1 <code>_get_response_from()</code>	180
9.35.2.2 <code>_process_entity_recursively_from()</code>	180
9.35.2.3 <code>_register_path_for()</code>	181
9.35.3 Member Data Documentation	181
9.35.3.1 <code>__client</code>	181
9.35.3.2 <code>__path_gen</code>	181
9.35.3.3 <code>__settings</code>	181
9.36 <code>lemmiwinks.archive.migration.migrate.CSSMigration</code> Class Reference	182
9.36.1 Constructor & Destructor Documentation	184
9.36.1.1 <code>__init__()</code>	184
9.36.2 Member Function Documentation	184
9.36.2.1 <code>__update_import_tokens()</code>	184
9.36.2.2 <code>__update_url_tokens()</code>	184
9.36.2.3 <code>migrate()</code>	185
9.36.3 Member Data Documentation	185
9.36.3.1 <code>__css_entity</code>	185
9.36.3.2 <code>__task</code>	185
9.37 <code>lemmiwinks.parslib.exception.CSSParseError</code> Class Reference	186
9.38 <code>lemmiwinks.parslib.abstract.CSSParser</code> Class Reference	188
9.38.1 Constructor & Destructor Documentation	189
9.38.1.1 <code>__init__()</code>	190
9.38.2 Member Function Documentation	190
9.38.2.1 <code>export()</code>	190
9.38.2.2 <code>import_tokens()</code>	190
9.38.2.3 <code>parse_tokens()</code>	190
9.38.2.4 <code>url_tokens()</code>	190
9.38.3 Member Data Documentation	190
9.38.3.1 <code>_import_token_list</code>	191
9.38.3.2 <code>_logger</code>	191
9.38.3.3 <code>_parser</code>	191
9.38.3.4 <code>_url_token_list</code>	191

9.39 lemmiwinks.parslib.provider.CSSParserProvider Class Reference	191
9.39.1 Member Function Documentation	192
9.39.1.1 __create_tynicss_stylesheet()	192
9.39.1.2 tynicss_parser()	192
9.40 lemmiwinks.archive.migration.migrate.CSSStyle Class Reference	193
9.40.1 Constructor & Destructor Documentation	194
9.40.1.1 __init__()	195
9.40.2 Member Function Documentation	195
9.40.2.1 export()	195
9.40.2.2 migrate_external_sources()	195
9.40.3 Member Data Documentation	195
9.40.3.1 _css_migration	196
9.41 lemmiwinks.archive.migration.migrate.CssStyleHandler Class Reference	196
9.41.1 Constructor & Destructor Documentation	197
9.41.1.1 __init__()	198
9.41.2 Member Function Documentation	198
9.41.2.1 process()	198
9.41.3 Member Data Documentation	198
9.41.3.1 __recursion_limit	198
9.41.3.2 __resource_location	198
9.41.3.3 __settings	198
9.41.3.4 __style_location	198
9.41.3.5 __url	199
9.42 lemmiwinks.archive.migration.abstract.DataHandler Class Reference	199
9.42.1 Member Function Documentation	200
9.42.1.1 process()	200
9.43 pharty3.DBStorageData Class Reference	200
9.43.1 Detailed Description	201
9.43.2 Member Data Documentation	201
9.43.2.1 __tablename__	202
9.43.2.2 date	202
9.43.2.3 job	202
9.43.2.4 path	202
9.43.2.5 regex_match	202
9.43.2.6 server	202
9.43.2.7 spider	202
9.43.2.8 url	203
9.44 pharty3.DBStorageJobs Class Reference	203
9.44.1 Detailed Description	204
9.44.2 Member Data Documentation	204
9.44.2.1 __tablename__	204
9.44.2.2 job	205

9.44.2.3 regex_pattern	205
9.45 web.Detail Class Reference	205
9.45.1 Member Function Documentation	206
9.45.1.1 _delayedRender()	206
9.45.2 Member Data Documentation	207
9.45.2.1 class_delay_setting	207
9.45.2.2 default_delay	207
9.46 dict Class Reference	208
9.47 lemmywinks.pathgen.DirectoryWrapper Class Reference	209
9.47.1 Constructor & Destructor Documentation	209
9.47.1.1 __init__()	209
9.47.2 Member Function Documentation	210
9.47.2.1 __generate_filepath_with()	210
9.47.2.2 __generate_unique_filepath_with()	210
9.47.2.3 get_filepath_with()	211
9.47.3 Member Data Documentation	211
9.47.3.1 _dirpath	211
9.47.3.2 _files	211
9.48 lemmywinks.archive.migration.migrate.DownloadHandler Class Reference	212
9.48.1 Constructor & Destructor Documentation	214
9.48.1.1 __init__()	214
9.48.2 Member Function Documentation	214
9.48.2.1 __download()	214
9.48.2.2 __log_error()	215
9.48.2.3 __register_path_for_url()	215
9.48.2.4 process()	215
9.48.3 Member Data Documentation	216
9.48.3.1 __downloader	216
9.48.3.2 __logger	216
9.48.3.3 __path_gen	216
9.48.3.4 __src_register	216
9.49 web.Dynamic Class Reference	216
9.49.1 Constructor & Destructor Documentation	217
9.49.1.1 __init__()	217
9.49.2 Member Function Documentation	217
9.49.2.1 getChild()	218
9.49.2.2 render_GET()	218
9.49.2.3 render_POST()	218
9.50 lemmywinks.parslib.abstract.Element Class Reference	219
9.50.1 Constructor & Destructor Documentation	220
9.50.1.1 __init__()	221
9.50.2 Member Function Documentation	221

9.50.2.1	__getitem__()	221
9.50.2.2	__setitem__()	221
9.50.2.3	__str__()	221
9.50.2.4	attrs()	221
9.50.2.5	name()	222
9.50.2.6	string() [1/2]	222
9.50.2.7	string() [2/2]	222
9.50.3	Member Data Documentation	222
9.50.3.1	_element	223
9.51	lemmiwinks.archive.migration.container.ElementFilterRules Class Reference	223
9.51.1	Member Function Documentation	224
9.51.1.1	__flatten()	224
9.51.1.2	__format_events()	225
9.51.1.3	description_style()	225
9.51.1.4	elements()	226
9.51.1.5	events()	226
9.51.1.6	frames()	227
9.51.1.7	js_script()	227
9.51.1.8	script()	227
9.51.1.9	style()	228
9.51.1.10	stylesheet_link()	228
9.51.2	Member Data Documentation	228
9.51.2.1	__description_style	228
9.51.2.2	__element_sources	229
9.51.2.3	__events	229
9.51.2.4	__frames	229
9.51.2.5	__js_script	229
9.51.2.6	__script	230
9.51.2.7	__style	230
9.51.2.8	__stylesheet_link	230
9.52	lemmiwinks.archive.migration.migrate.ElementTaskContainer Class Reference	231
9.52.1	Constructor & Destructor Documentation	232
9.52.1.1	__init__()	232
9.52.2	Member Function Documentation	233
9.52.2.1	update_iframe_source()	233
9.52.3	Member Data Documentation	233
9.52.3.1	_html_file_handler	233
9.53	lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution Class Reference	234
9.53.1	Constructor & Destructor Documentation	236
9.53.1.1	__init__()	236
9.53.2	Member Function Documentation	236
9.53.2.1	update_event_attr()	236

9.53.2.2	update_iframe_source()	236
9.53.2.3	update_inline_script()	236
9.53.2.4	update_script_source()	237
9.53.3	Member Data Documentation	237
9.53.3.1	_html_file_handler	237
9.53.3.2	_inline_js_handler	237
9.53.3.3	_js_file_handler	237
9.54	lemmiwinks.archive.archive.Envelop Class Reference	238
9.55	Exception Class Reference	239
9.56	lemmiwinks.pathgen.FilePathGenerator Class Reference	240
9.56.1	Constructor & Destructor Documentation	240
9.56.1.1	__init__()	240
9.56.2	Member Function Documentation	241
9.56.2.1	__generate_abs_filepath_with()	241
9.56.2.2	generate_filepath_with()	241
9.56.2.3	get_relpath_from()	241
9.56.3	Member Data Documentation	242
9.56.3.1	_directory	242
9.56.3.2	_logger	242
9.56.3.3	_path_prefix	242
9.57	lemmiwinks.pathgen.FilePathProvider Class Reference	242
9.57.1	Member Function Documentation	243
9.57.1.1	filepath_generator()	243
9.58	model.Generator Class Reference	243
9.58.1	Constructor & Destructor Documentation	244
9.58.1.1	__init__()	244
9.58.2	Member Function Documentation	245
9.58.2.1	choice()	245
9.58.2.2	create_paragraph()	245
9.58.2.3	create_sentence()	246
9.58.2.4	create_weights()	246
9.58.2.5	rand()	247
9.58.2.6	rand_price()	247
9.58.3	Member Data Documentation	247
9.58.3.1	_seed	247
9.59	web.Home Class Reference	248
9.59.1	Member Function Documentation	249
9.59.1.1	render_GET()	249
9.59.2	Member Data Documentation	249
9.59.2.1	isLeaf	249
9.60	lemmiwinks.archive.migration.migrate.HTMLFileHandler Class Reference	250
9.60.1	Constructor & Destructor Documentation	252

9.60.1.1 <code>__init__()</code>	252
9.60.2 Member Function Documentation	252
9.60.2.1 <code>_get_response_from()</code>	252
9.60.2.2 <code>_process_entity_recursively_from()</code>	252
9.60.3 Member Data Documentation	252
9.60.3.1 <code>__client</code>	253
9.60.3.2 <code>__resource_location</code>	253
9.60.3.3 <code>__settings</code>	253
9.61 lemmiwinks.archive.migration.migrate.HTMLFileWithJsExecutionHandler Class Reference	254
9.61.1 Constructor & Destructor Documentation	256
9.61.1.1 <code>__init__()</code>	256
9.61.2 Member Function Documentation	256
9.61.2.1 <code>_get_response_from()</code>	256
9.61.2.2 <code>_process_entity_recursively_from()</code>	256
9.61.3 Member Data Documentation	256
9.61.3.1 <code>__http_js_pool</code>	257
9.61.3.2 <code>__resource_location</code>	257
9.61.3.3 <code>__settings</code>	257
9.62 lemmiwinks.archive.migration.container.HTMLFilter Class Reference	257
9.62.1 Constructor & Destructor Documentation	258
9.62.1.1 <code>__init__()</code>	258
9.62.2 Member Function Documentation	258
9.62.2.1 <code>__convert_to_list()</code>	259
9.62.2.2 <code>__get_depended_attribute()</code>	259
9.62.2.3 <code>__get_element_list_from()</code>	260
9.62.2.4 <code>description_style()</code>	261
9.62.2.5 <code>elements()</code>	261
9.62.2.6 <code>elements_event()</code>	262
9.62.2.7 <code>frames()</code>	262
9.62.2.8 <code>js_script()</code>	262
9.62.2.9 <code>script()</code>	263
9.62.2.10 <code>style()</code>	263
9.62.2.11 <code>stylesheet_link()</code>	263
9.62.3 Member Data Documentation	263
9.62.3.1 <code>_filter_rules</code>	263
9.62.3.2 <code>_parser</code>	264
9.63 lemmiwinks.archive.migration.migrate.HTMLMigration Class Reference	264
9.63.1 Constructor & Destructor Documentation	265
9.63.1.1 <code>__init__()</code>	265
9.63.2 Member Function Documentation	266
9.63.2.1 <code>_migrate_script_source()</code>	266
9.63.2.2 <code>migrate()</code>	266

9.64 lemmiwinks.archive.migration.migrate.HTMLMigrationWithJSExecution Class Reference	267
9.64.1 Constructor & Destructor Documentation	268
9.64.1.1 <code>__init__()</code>	268
9.64.2 Member Function Documentation	269
9.64.2.1 <code>_migrate_inline_script()</code>	269
9.64.2.2 <code>_migrate_js_events()</code>	269
9.64.2.3 <code>_migrate_script_source()</code>	269
9.64.2.4 <code>migrate()</code>	270
9.65 lemmiwinks.parslib.exception.HTMLParseError Class Reference	271
9.66 lemmiwinks.parslib.abstract.HTMLParser Class Reference	273
9.66.1 Constructor & Destructor Documentation	274
9.66.1.1 <code>__init__()</code>	275
9.66.2 Member Function Documentation	275
9.66.2.1 <code>base()</code> [1/2]	275
9.66.2.2 <code>base()</code> [2/2]	275
9.66.2.3 <code>charset()</code>	276
9.66.2.4 <code>export()</code>	276
9.66.2.5 <code>find_elements()</code>	276
9.66.2.6 <code>text()</code>	276
9.66.2.7 <code>title()</code>	276
9.66.3 Member Data Documentation	276
9.66.3.1 <code>_logger</code>	277
9.67 lemmiwinks.parslib.provider.HTMLParserProvider Class Reference	277
9.67.1 Member Function Documentation	277
9.67.1.1 <code>bs_parser()</code>	277
9.68 lemmiwinks.httplib.exception.HTTPClientConnectionFailed Class Reference	278
9.69 lemmiwinks.httplib.provider.HTTPClientDownloader Class Reference	280
9.69.1 Constructor & Destructor Documentation	280
9.69.1.1 <code>__init__()</code>	280
9.69.2 Member Function Documentation	281
9.69.2.1 <code>__save_response_content_to()</code>	281
9.69.2.2 <code>download()</code>	281
9.69.3 Member Data Documentation	281
9.69.3.1 <code>__http_client</code>	281
9.69.3.2 <code>_logger</code>	282
9.70 lemmiwinks.httplib.provider.HTTPClientDownloadProvider Class Reference	282
9.70.1 Member Function Documentation	282
9.70.1.1 <code>aio_downloader()</code>	282
9.71 lemmiwinks.httplib.exception.HTTPClientError Class Reference	283
9.72 web.ILoginGate Class Reference	284
9.72.1 Member Data Documentation	285
9.72.1.1 <code>logged_in</code>	285

9.72.1.2 nonce	285
9.73 web.Index Class Reference	285
9.73.1 Member Function Documentation	286
9.73.1.1 _delayedRender()	286
9.73.2 Member Data Documentation	287
9.73.2.1 class_delay_setting	287
9.73.2.2 default_delay	287
9.74 lemmiwinks.archive.migration.migrate.IndexFile Class Reference	288
9.74.1 Constructor & Destructor Documentation	290
9.74.1.1 __init__()	290
9.74.2 Member Function Documentation	290
9.74.2.1 __init_resolver()	290
9.74.2.2 export()	290
9.74.2.3 migrate_external_sources()	291
9.74.3 Member Data Documentation	291
9.74.3.1 __parser	291
9.74.3.2 _filepath	291
9.74.3.3 _html_migration	291
9.74.3.4 _logger	291
9.74.3.5 _settings	291
9.75 lemmiwinks.archive.migration.migrate.IndexFileContainer Class Reference	292
9.75.1 Member Data Documentation	292
9.75.1.1 index_file	292
9.75.1.2 index_file_with_js_execution	292
9.76 lemmiwinks.archive.migration.migrate.InlineJSHandler Class Reference	293
9.76.1 Constructor & Destructor Documentation	294
9.76.1.1 __init__()	294
9.76.2 Member Function Documentation	294
9.76.2.1 process()	295
9.77 lemmiwinks.httplib.container.InstanceStatus Class Reference	295
9.77.1 Member Data Documentation	296
9.77.1.1 AWALIABLE	296
9.77.1.2 RESERVED	296
9.78 resources.job.Job Class Reference	297
9.78.1 Detailed Description	298
9.78.2 Member Function Documentation	298
9.78.2.1 delete()	298
9.78.2.2 get()	298
9.78.3 Member Data Documentation	298
9.78.3.1 logger	298
9.79 resources.job.Jobs Class Reference	299
9.79.1 Detailed Description	300

9.79.2 Member Function Documentation	300
9.79.2.1 delete()	300
9.79.2.2 get()	300
9.79.2.3 post()	301
9.79.3 Member Data Documentation	301
9.79.3.1 logger	301
9.80 resources.job.JobsStorage Class Reference	302
9.80.1 Detailed Description	302
9.80.2 Member Function Documentation	303
9.80.2.1 add_job()	303
9.80.2.2 check_job_status()	303
9.80.2.3 find_job()	303
9.80.2.4 get_all_jobs()	304
9.80.2.5 stop_all_jobs()	304
9.80.2.6 stop_job()	304
9.80.3 Member Data Documentation	304
9.80.3.1 jobs	304
9.80.3.2 logger	304
9.81 lemmiwinks.archive.migration.migrate.JSFileHandler Class Reference	305
9.81.1 Constructor & Destructor Documentation	306
9.81.1.1 __init__()	306
9.81.2 Member Function Documentation	307
9.81.2.1 process()	307
9.81.3 Member Data Documentation	307
9.81.3.1 __path_gen	307
9.82 lemmiwinks.lemmiwinks.Lemmiwinks Class Reference	308
9.82.1 Detailed Description	309
9.82.2 Constructor & Destructor Documentation	309
9.82.2.1 __init__()	310
9.82.3 Member Function Documentation	310
9.82.3.1 run()	310
9.82.3.2 stop()	310
9.82.3.3 task_executor()	310
9.82.4 Member Data Documentation	311
9.82.4.1 logger	311
9.82.4.2 loop	311
9.83 lemmiwinks.lemmiwinks.Logger Class Reference	311
9.83.1 Member Function Documentation	311
9.83.1.1 get_logger()	312
9.84 utils.Logger Class Reference	312
9.84.1 Member Function Documentation	312
9.84.1.1 get_logger()	313

9.85 web.LoginGate Class Reference	313
9.85.1 Constructor & Destructor Documentation	314
9.85.1.1 __init__()	314
9.85.2 Member Data Documentation	314
9.85.2.1 logged_in	315
9.85.2.2 nonce	315
9.86 web.Maps Class Reference	315
9.86.1 Constructor & Destructor Documentation	316
9.86.1.1 __init__()	317
9.86.2 Member Function Documentation	317
9.86.2.1 _delayedRender()	317
9.86.3 Member Data Documentation	317
9.86.3.1 class_delay_setting	317
9.86.3.2 default_delay	318
9.86.3.3 model	318
9.87 metaclass Class Reference	318
9.88 lemmywinks.archive.migration.abstract.MigrationSettings Class Reference	319
9.88.1 Member Function Documentation	320
9.88.1.1 css_parser()	320
9.88.1.2 html_parser()	320
9.88.1.3 http_client()	321
9.88.1.4 http_js_pool()	321
9.88.1.5 path_gen()	321
9.88.1.6 resolver()	321
9.89 lemmywinks.pathgen.MimeFileExtension Class Reference	321
9.89.1 Constructor & Destructor Documentation	322
9.89.1.1 __init__()	322
9.89.2 Member Function Documentation	322
9.89.2.1 __get_extension_from()	322
9.89.2.2 __get_extension_from_url()	323
9.89.2.3 __get_mime_type_from_filepath()	323
9.89.2.4 __is_extension_valid_to_mime_type()	323
9.89.2.5 add_extension_to()	324
9.89.3 Member Data Documentation	324
9.89.3.1 __filepath	324
9.89.3.2 __url	324
9.90 lemmywinks.archive.archive.Mode Class Reference	325
9.90.1 Member Data Documentation	326
9.90.1.1 FULL_JS_EXECUTION	326
9.90.1.2 NO_JS_EXECUTION	326
9.91 model.Model Class Reference	326
9.91.1 Constructor & Destructor Documentation	328

9.91.1.1 <code>__init__()</code>	328
9.91.2 Member Function Documentation	328
9.91.2.1 <code>from_file()</code>	328
9.91.2.2 <code>from_json_file()</code>	328
9.91.2.3 <code>get_item()</code>	328
9.91.2.4 <code>get_items()</code>	329
9.91.2.5 <code>get_location()</code>	329
9.91.3 Member Data Documentation	329
9.91.3.1 <code>_descriptions</code>	329
9.91.3.2 <code>_location_index</code>	329
9.91.3.3 <code>_locations</code>	329
9.91.3.4 <code>_title_weights</code>	330
9.91.3.5 <code>_titles</code>	330
9.92 <code>lemmiwinks.archive.maff.MozillaArchiveFormat</code> Class Reference	330
9.92.1 Constructor & Destructor Documentation	331
9.92.1.1 <code>__init__()</code>	331
9.92.2 Member Function Documentation	331
9.92.2.1 <code>__enter__()</code>	331
9.92.2.2 <code>__exit__()</code>	331
9.92.2.3 <code>__zip_directory_to()</code>	332
9.92.2.4 <code>create_tab()</code>	332
9.92.2.5 <code>make_archive()</code>	332
9.92.3 Member Data Documentation	333
9.92.3.1 <code>_filepath</code>	333
9.92.3.2 <code>_tabs</code>	333
9.93 <code>object</code> Class Reference	333
9.94 <code>lemmiwinks.parslib.exception.ParserError</code> Class Reference	334
9.95 <code>lemmiwinks.archive.rdfinfo.ParserMaffRDFInfo</code> Class Reference	335
9.95.1 Constructor & Destructor Documentation	336
9.95.1.1 <code>__init__()</code>	336
9.95.2 Member Function Documentation	336
9.95.2.1 <code>charset()</code>	336
9.95.2.2 <code>title()</code>	336
9.95.3 Member Data Documentation	336
9.95.3.1 <code>__logger</code>	336
9.95.3.2 <code>__parser</code>	337
9.96 <code>lemmiwinks.httplib.exception.PoolError</code> Class Reference	337
9.97 <code>resources.job.ProcessStatus</code> Class Reference	339
9.97.1 Detailed Description	340
9.97.2 Member Data Documentation	340
9.97.2.1 <code>DONE</code>	340
9.97.2.2 <code>DUPLICATION</code>	340

9.97.2.3 IN_PROGRESS	340
9.97.2.4 UNKNOWN_PROCESS	340
9.98 web.Properties Class Reference	341
9.98.1 Constructor & Destructor Documentation	342
9.98.1.1 __init__()	343
9.98.2 Member Function Documentation	343
9.98.2.1 _delayedRender()	343
9.98.3 Member Data Documentation	343
9.98.3.1 class_delay_setting	343
9.98.3.2 default_delay	343
9.98.3.3 model	343
9.98.3.4 per_index	344
9.98.3.5 properties	344
9.99 lemmywinks.archive.maff.RDF Class Reference	344
9.99.1 Constructor & Destructor Documentation	345
9.99.1.1 __init__()	345
9.99.2 Member Function Documentation	345
9.99.2.1 __create_node()	346
9.99.2.2 __enter__()	346
9.99.2.3 __exit__()	346
9.99.2.4 __find_element_by()	347
9.99.2.5 __get_element_value()	347
9.99.2.6 __init_description()	348
9.99.2.7 __init_xml()	348
9.99.2.8 __str__()	348
9.99.2.9 __update_element()	349
9.99.2.10 archive_time() [1/2]	350
9.99.2.11 archive_time() [2/2]	350
9.99.2.12 charset() [1/2]	351
9.99.2.13 charset() [2/2]	351
9.99.2.14 index_file_name() [1/2]	352
9.99.2.15 index_file_name() [2/2]	352
9.99.2.16 save()	353
9.99.2.17 title() [1/2]	353
9.99.2.18 title() [2/2]	354
9.99.2.19 url() [1/2]	354
9.99.2.20 url() [2/2]	355
9.99.3 Member Data Documentation	355
9.99.3.1 _description	355
9.99.3.2 _filepath	355
9.99.3.3 _xml	355
9.100 basicplatform.pipelines.redis.RedisCache Class Reference	356

9.100.1 Constructor & Destructor Documentation	356
9.100.1.1 <code>__init__()</code>	356
9.100.2 Member Function Documentation	357
9.100.2.1 <code>from_crawler()</code>	357
9.100.2.2 <code>init_redis_pool()</code>	357
9.100.2.3 <code>process_item()</code>	358
9.100.3 Member Data Documentation	358
9.100.3.1 <code>connection</code>	358
9.101 party3.RedisWrapper Class Reference	358
9.101.1 Detailed Description	359
9.101.2 Constructor & Destructor Documentation	359
9.101.2.1 <code>__init__()</code>	359
9.101.3 Member Function Documentation	359
9.101.3.1 <code>close_connection()</code>	359
9.101.3.2 <code>connection()</code>	360
9.101.3.3 <code>create_connection()</code>	360
9.101.3.4 <code>serialize_data()</code>	360
9.101.4 Member Data Documentation	360
9.101.4.1 <code>address</code>	360
9.101.4.2 <code>logger</code>	361
9.101.4.3 <code>redis</code>	361
9.102 lemmywinks.extractor.extractor.RegexExtractor Class Reference	361
9.102.1 Constructor & Destructor Documentation	362
9.102.1.1 <code>__init__()</code>	363
9.102.1.2 <code>__del__()</code>	363
9.102.2 Member Function Documentation	363
9.102.2.1 <code>extract()</code>	363
9.102.3 Member Data Documentation	363
9.102.3.1 <code>__document</code>	363
9.102.3.2 <code>__pattern</code>	363
9.102.3.3 <code>__pattern_name</code>	364
9.103 lemmywinks.httplib.container.Response Class Reference	364
9.103.1 Constructor & Destructor Documentation	365
9.103.1.1 <code>__init__()</code>	365
9.103.1.2 <code>__del__()</code>	365
9.103.2 Member Function Documentation	365
9.103.2.1 <code>accessed_url()</code>	365
9.103.2.2 <code>content_descriptor()</code> [1/2]	365
9.103.2.3 <code>content_descriptor()</code> [2/2]	366
9.103.2.4 <code>requested_url()</code>	366
9.103.2.5 <code>url_and_status()</code> [1/2]	366
9.103.2.6 <code>url_and_status()</code> [2/2]	366

9.103.3 Member Data Documentation	366
9.103.3.1 __content_descriptor	366
9.103.3.2 __logger	366
9.103.3.3 __url_and_status	367
9.103.3.4 content_descriptor	367
9.103.3.5 url_and_status	367
9.104 lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo Class Reference	367
9.104.1 Constructor & Destructor Documentation	368
9.104.1.1 __init__()	368
9.104.2 Member Function Documentation	368
9.104.2.1 charset()	368
9.104.2.2 index_name()	368
9.104.2.3 title()	368
9.104.2.4 url()	368
9.104.3 Member Data Documentation	369
9.104.3.1 __logger	369
9.104.3.2 __response	369
9.105 lemmiwinks.archive.archive.SaveResponseLetter Class Reference	370
9.105.1 Constructor & Destructor Documentation	372
9.105.1.1 __init__()	372
9.105.2 Member Function Documentation	372
9.105.2.1 __get_response_letter()	372
9.105.2.2 __html_letter()	373
9.105.2.3 __html_letter_with_js_execution()	373
9.105.2.4 __is_js_mode()	374
9.105.2.5 __is_no_js_mode()	374
9.105.2.6 __is_response_html()	374
9.105.2.7 write_to()	375
9.105.3 Member Data Documentation	375
9.105.3.1 __logger	375
9.105.3.2 __mode	375
9.105.3.3 __response	375
9.105.3.4 __settings	376
9.106 lemmiwinks.httplib.client.SeleniumClient Class Reference	377
9.106.1 Constructor & Destructor Documentation	379
9.106.1.1 __init__()	379
9.106.1.2 __del__()	379
9.106.2 Member Function Documentation	379
9.106.2.1 __get_content_descriptor()	380
9.106.2.2 __get_response()	380
9.106.2.3 __get_url_and_status()	381
9.106.2.4 __send_request()	381

9.106.2.5 cookies()	381
9.106.2.6 get_request()	382
9.106.2.7 save_screenshot_to()	382
9.106.3 Member Data Documentation	382
9.106.3.1 __driver	382
9.106.3.2 __timeout	382
9.106.3.3 _cookies	383
9.106.3.4 cookies	383
9.107 basicplatform.middlewares.SeleniumMiddleware Class Reference	383
9.107.1 Member Function Documentation	384
9.107.1.1 from_crawler()	384
9.107.1.2 process_exception()	385
9.107.1.3 process_request()	385
9.107.1.4 process_response()	385
9.107.1.5 spider_opened()	385
9.107.2 Member Data Documentation	385
9.107.2.1 driver	385
9.108 web.SettingsFromUrl Class Reference	386
9.108.1 Constructor & Destructor Documentation	387
9.108.1.1 __init__()	387
9.108.2 Member Function Documentation	387
9.108.2.1 getfloat()	387
9.108.2.2 getint()	387
9.108.3 Member Data Documentation	387
9.108.3.1 _settings	388
9.108.3.2 url_to_settings	388
9.109 lemmiwinks.singleton.Singleton Class Reference	388
9.109.1 Member Function Documentation	389
9.109.1.1 __call__()	389
9.109.2 Member Data Documentation	389
9.109.2.1 _instances	390
9.110 lemmiwinks.archive.migration.migrate.SrcRegister Class Reference	390
9.111 lemmiwinks.parslib.exception.TagDoesNotExists Class Reference	392
9.112 test_archive.TestArchivation Class Reference	394
9.112.1 Member Function Documentation	394
9.112.1.1 lemmiwinks()	394
9.112.1.2 mock_html_data()	395
9.112.1.3 test_archive_page()	395
9.112.2 Member Data Documentation	395
9.112.2.1 archive_name	395
9.112.2.2 scope	395
9.113 testplatform.spiders.test_basic.TestBasicSpider Class Reference	396

9.113.1 Member Function Documentation	397
9.113.1.1 parse_item()	397
9.113.2 Member Data Documentation	397
9.113.2.1 allowed_domains	397
9.113.2.2 name	397
9.113.2.3 rules	398
9.113.2.4 settings	398
9.113.2.5 start_urls	398
9.114 test_db.TestDB Class Reference	398
9.114.1 Member Function Documentation	399
9.114.1.1 lemmiwinks()	399
9.114.1.2 mock_db_data()	399
9.114.1.3 test_connection()	399
9.114.1.4 test_storage_jobs()	399
9.114.2 Member Data Documentation	399
9.114.2.1 scope	399
9.115 model.TestModel Class Reference	400
9.115.1 Member Function Documentation	401
9.115.1.1 setUp()	401
9.115.1.2 test_bulk_crate()	401
9.115.1.3 test_create()	401
9.115.2 Member Data Documentation	401
9.115.2.1 model	401
9.116 testplatform.middlewares.TestplatformDownloaderMiddleware Class Reference	402
9.116.1 Member Function Documentation	403
9.116.1.1 from_crawler()	403
9.116.1.2 process_exception()	403
9.116.1.3 process_request()	403
9.116.1.4 process_response()	403
9.116.1.5 spider_opened()	404
9.117 testplatform.items.TestplatformItem Class Reference	404
9.117.1 Member Data Documentation	405
9.117.1.1 address	406
9.117.1.2 date	406
9.117.1.3 description	406
9.117.1.4 image_urls	406
9.117.1.5 images	406
9.117.1.6 location	406
9.117.1.7 price	406
9.117.1.8 project	406
9.117.1.9 server	407
9.117.1.10 spider	407

9.117.1.11 title	407
9.117.1.12 url	407
9.118 testplatform.pipelines.TestplatformPipeline Class Reference	407
9.118.1 Member Function Documentation	408
9.118.1.1 process_item()	408
9.119 testplatform.middlewares.TestplatformSpiderMiddleware Class Reference	409
9.119.1 Member Function Documentation	410
9.119.1.1 from_crawler()	410
9.119.1.2 process_spider_exception()	411
9.119.1.3 process_spider_input()	411
9.119.1.4 process_spider_output()	411
9.119.1.5 process_start_requests()	411
9.119.1.6 spider_opened()	411
9.120 basicplatform.middlewares.TestprojSpiderMiddleware Class Reference	412
9.120.1 Member Function Documentation	413
9.120.1.1 from_crawler()	413
9.120.1.2 process_spider_exception()	414
9.120.1.3 process_spider_input()	414
9.120.1.4 process_spider_output()	414
9.120.1.5 process_start_requests()	414
9.120.1.6 spider_opened()	414
9.121 test_redis.TestRedis Class Reference	415
9.121.1 Member Function Documentation	415
9.121.1.1 mock_redis_input()	415
9.121.1.2 test_connection()	415
9.121.1.3 test_serialization()	416
9.121.2 Member Data Documentation	416
9.121.2.1 scope	416
9.122 lemmiwinks.singleton.ThreadSafeSingleton Class Reference	417
9.122.1 Member Function Documentation	418
9.122.1.1 __call__()	418
9.122.2 Member Data Documentation	418
9.122.2.1 _instances	419
9.122.2.2 _lock	419
9.123 lemmiwinks.archive.rdfinfo.TimeMaffRDFInfo Class Reference	419
9.123.1 Constructor & Destructor Documentation	419
9.123.1.1 __init__()	420
9.123.2 Member Function Documentation	420
9.123.2.1 time()	420
9.123.3 Member Data Documentation	420
9.123.3.1 __logger	420
9.124 lemmiwinks.parslib.parser.TinyCSSParser Class Reference	421

9.124.1 Constructor & Destructor Documentation	423
9.124.1.1 <code>__init__()</code>	423
9.124.2 Member Function Documentation	423
9.124.2.1 <code>__is_at_rule()</code>	423
9.124.2.2 <code>__is_declaration()</code>	424
9.124.2.3 <code>__is_import()</code>	424
9.124.2.4 <code>__is_qualified_rule()</code>	424
9.124.2.5 <code>__is_string_token()</code>	425
9.124.2.6 <code>__is_token_value_url()</code>	425
9.124.2.7 <code>__is_url_token()</code>	425
9.124.2.8 <code>__process_component_value()</code>	426
9.124.2.9 <code>__process_declaration()</code>	426
9.124.2.10 <code>__process_import()</code>	427
9.124.2.11 <code>__process_rule()</code>	427
9.124.2.12 <code>__process_url_token()</code>	428
9.124.2.13 <code>__search_tokens_in()</code>	429
9.124.2.14 <code>export()</code>	429
9.124.2.15 <code>parse_tokens()</code>	430
9.125 <code>lemmiwinks.parslib.parser.TinyToken</code> Class Reference	431
9.125.1 Constructor & Destructor Documentation	432
9.125.1.1 <code>__init__()</code>	432
9.125.2 Member Function Documentation	433
9.125.2.1 <code>__str__()</code>	433
9.125.2.2 <code>value()</code> [1/2]	433
9.125.2.3 <code>value()</code> [2/2]	433
9.126 <code>lemmiwinks.parslib.abstract.Token</code> Class Reference	434
9.126.1 Constructor & Destructor Documentation	435
9.126.1.1 <code>__init__()</code>	435
9.126.2 Member Function Documentation	436
9.126.2.1 <code>__str__()</code>	436
9.126.2.2 <code>value()</code> [1/2]	436
9.126.2.3 <code>value()</code> [2/2]	436
9.126.3 Member Data Documentation	437
9.126.3.1 <code>_token</code>	437
9.127 <code>lemmiwinks.archive.migration.migrate.TokenTaskContainer</code> Class Reference	437
9.127.1 Constructor & Destructor Documentation	438
9.127.1.1 <code>__init__()</code>	438
9.127.2 Member Function Documentation	438
9.127.2.1 <code>update_import_token()</code>	438
9.127.2.2 <code>update_url_token()</code>	438
9.127.3 Member Data Documentation	438
9.127.3.1 <code>__css_file_handler</code>	438

9.127.3.2	__download_token	438
9.127.3.3	__token_value_updater	439
9.128	type Class Reference	439
9.129	lemmiwinks.archive.migration.migrate.UpdateElementAttribute Class Reference	441
9.129.1	Constructor & Destructor Documentation	442
9.129.1.1	__init__()	443
9.129.2	Member Function Documentation	443
9.129.2.1	_get_data_from()	443
9.129.2.2	_update_entity()	443
9.130	lemmiwinks.archive.migration.migrate.UpdateElementAttributeSource Class Reference	444
9.130.1	Constructor & Destructor Documentation	446
9.130.1.1	__init__()	446
9.130.2	Member Function Documentation	446
9.130.2.1	_get_data_from()	446
9.130.2.2	_update_entity()	446
9.130.3	Member Data Documentation	446
9.130.3.1	__path_gen	446
9.130.3.2	__resolver	447
9.131	lemmiwinks.archive.migration.migrate.UpdateElementString Class Reference	447
9.131.1	Constructor & Destructor Documentation	448
9.131.1.1	__init__()	449
9.131.2	Member Function Documentation	449
9.131.2.1	_get_data_from()	449
9.131.2.2	_update_entity()	449
9.132	lemmiwinks.archive.migration.abstract.UpdateEntity Class Reference	450
9.132.1	Constructor & Destructor Documentation	451
9.132.1.1	__init__()	451
9.132.2	Member Function Documentation	451
9.132.2.1	_get_data_from()	451
9.132.2.2	_update_entity()	452
9.132.2.3	update_entity()	452
9.132.3	Member Data Documentation	452
9.132.3.1	_logger	453
9.133	lemmiwinks.archive.migration.migrate.UpdateTokenValue Class Reference	453
9.133.1	Constructor & Destructor Documentation	455
9.133.1.1	__init__()	455
9.133.2	Member Function Documentation	455
9.133.2.1	_get_data_from()	455
9.133.2.2	_update_entity()	455
9.133.3	Member Data Documentation	455
9.133.3.1	__path_gen	455
9.133.3.2	__resolver	456

9.134 lemmitwinks.httplib.resolver.URLResolver Class Reference	456
9.134.1 Constructor & Destructor Documentation	456
9.134.1.1 __init__()	457
9.134.2 Member Function Documentation	457
9.134.2.1 __format()	457
9.134.2.2 base() [1/2]	457
9.134.2.3 base() [2/2]	458
9.134.2.4 resolve()	458
9.134.3 Member Data Documentation	458
9.134.3.1 __base	458
9.134.3.2 _logger	459
9.135 lemmitwinks.httplib.exception.URLResolverError Class Reference	459
9.136 lemmitwinks.httplib.exception.UrlValidationError Class Reference	461
9.137 view.View Class Reference	463
9.137.1 Detailed Description	464
9.137.2 Member Function Documentation	464
9.137.2.1 render_error()	464
9.137.2.2 render_form()	464
9.137.2.3 render_gated()	464
9.137.2.4 render_index()	464
9.137.2.5 render_maps()	464
9.137.2.6 render_property()	464
10 File Documentation	465
10.1 lemmit/lemmitwinks/__init__.py File Reference	465
10.2 lemmit/lemmitwinks/archive/__init__.py File Reference	465
10.3 lemmit/lemmitwinks/archive/migration/__init__.py File Reference	465
10.4 lemmit/lemmitwinks/extractor/__init__.py File Reference	465
10.5 lemmit/lemmitwinks/httplib/__init__.py File Reference	465
10.6 lemmit/lemmitwinks/parslib/__init__.py File Reference	466
10.7 scrapit/api/models/__init__.py File Reference	466
10.8 scrapit/api/resources/__init__.py File Reference	466
10.9 scrapit/basicplatform/basicplatform/__init__.py File Reference	466
10.10 scrapit/basicplatform/basicplatform/pipelines/__init__.py File Reference	466
10.11 scrapit/basicplatform/basicplatform/spiders/__init__.py File Reference	466
10.12 scrapit/tests/testplatform/testplatform/__init__.py File Reference	467
10.13 scrapit/tests/testplatform/testplatform/spiders/__init__.py File Reference	467
10.14 lemmit/lemmitwinks/archive/abstract.py File Reference	467
10.15 lemmit/lemmitwinks/archive/migration/abstract.py File Reference	467
10.16 lemmit/lemmitwinks/extractor/abstract.py File Reference	467
10.17 lemmit/lemmitwinks/httplib/abstract.py File Reference	468
10.18 lemmit/lemmitwinks/parslib/abstract.py File Reference	468

10.19	lemmit/lemmiwinks/archive/archive.py File Reference	468
10.20	lemmit/lemmiwinks/archive/maff.py File Reference	469
10.21	lemmit/lemmiwinks/archive/migration/container.py File Reference	469
10.22	lemmit/lemmiwinks/httpplib/container.py File Reference	469
10.23	lemmit/lemmiwinks/archive/migration/migrate.py File Reference	470
10.24	lemmit/lemmiwinks/archive/rdfinfo.py File Reference	470
10.25	lemmit/lemmiwinks/extractor/extractor.py File Reference	471
10.26	lemmit/lemmiwinks/httpplib/client.py File Reference	471
10.27	lemmit/lemmiwinks/httpplib/exception.py File Reference	471
10.28	lemmit/lemmiwinks/parslib/exception.py File Reference	471
10.29	lemmit/lemmiwinks/httpplib/provider.py File Reference	472
10.30	lemmit/lemmiwinks/parslib/provider.py File Reference	472
10.31	lemmit/lemmiwinks/httpplib/resolver.py File Reference	472
10.32	lemmit/lemmiwinks/lemmiwinks.py File Reference	472
10.33	lemmit/lemmiwinks/parslib/parser.py File Reference	473
10.34	lemmit/lemmiwinks/pathgen.py File Reference	473
10.35	lemmit/lemmiwinks/singleton.py File Reference	473
10.36	lemmit/lemmiwinks/taskwrapper.py File Reference	474
10.37	lemmit/pharty3.py File Reference	474
10.38	lemmit/README.md File Reference	474
10.39	scrapit/README.md File Reference	474
10.40	scrapit/tests/web/README.md File Reference	474
10.41	lemmit/settings.py File Reference	474
10.42	scrapit/api/settings.py File Reference	475
10.43	scrapit/basicplatform/basicplatform/settings.py File Reference	475
10.44	scrapit/tests/testplatform/testplatform/settings.py File Reference	476
10.45	lemmit/tests/test_archive.py File Reference	476
10.46	lemmit/tests/test_db.py File Reference	476
10.47	lemmit/tests/test_redis.py File Reference	477
10.48	scrapit/api/app.py File Reference	477
10.49	scrapit/api/models/job.py File Reference	477
10.50	scrapit/api/resources/job.py File Reference	478
10.51	scrapit/api/utils.py File Reference	478
10.52	scrapit/basicplatform/basicplatform/items.py File Reference	478
10.53	scrapit/tests/testplatform/testplatform/items.py File Reference	479
10.54	scrapit/basicplatform/basicplatform/middlewares.py File Reference	479
10.55	scrapit/tests/testplatform/testplatform/middlewares.py File Reference	479
10.56	scrapit/basicplatform/basicplatform/pipelines/redis.py File Reference	479
10.57	scrapit/basicplatform/basicplatform/spiders/basic.py File Reference	480
10.58	scrapit/basicplatform/basicplatform/spiders/login.py File Reference	480
10.59	scrapit/tests/testplatform/testplatform/pipelines.py File Reference	480
10.60	scrapit/tests/testplatform/testplatform/spiders/test_basic.py File Reference	480

10.61 scrapit/tests/testplatform/testplatform/spiders/test_login.py File Reference	481
10.62 scrapit/tests/web/create.py File Reference	481
10.63 scrapit/tests/web/model.py File Reference	481
10.64 scrapit/tests/web/view.py File Reference	482
10.65 scrapit/tests/web/web.py File Reference	482
Index	483

Chapter 1

Lemmiwinks

1.0.0.1 Authors: Bc. Tomáš Kocman, Ing. Libor Polčák, Ph.D.

Disclaimer: Lemmiwinks is a part of whole platform. It is not a standalone application!

Lemmiwinks serves for web page archivation. It recursively downloads all resources found on the page.

Input for archivation: JSON objects from Redis database.

Output of archivation: MAFF archive with metainformations stored in PostgreSQL database.

1.0.1 Steps to run Lemmiwinks unit tests

```
> Ensure that Redis and PostgreSQL are running!  
> source venv/bin/activate  
> python -m pytest
```

1.0.2 Steps to run Lemmiwinks

```
> Ensure that Redis and PostgreSQL are running!  
> source venv/bin/activate  
> python pharty3.py
```


Chapter 2

Scrapy

2.0.0.1 Authors: Bc. Tomáš Kocman, Ing. Libor Polčák, Ph.D.

Disclaimer: Scrapy is a part of whole platform. It is not a standalone application!

Scrapy serves as a web crawler/scrapper. It crawls through the whole web and analyzes individual pages.

Input for crawling: informations in settings.py.

Output of crawling: JSON objects stored in Redis database.

2.0.1 Steps to run Scrapy unit tests

```
> source venv/bin/activate
> python tests/web/web.py &
> cd tests/testplatform
> scrapy check
```

2.0.2 Steps to run REST API

Note: instead of running scrapy crawler directly, it is convenient to run REST API that controls scrapy processes.

```
> Ensure that Redis is running!
> source venv/bin/activate
> python api/app.py
```


Chapter 3

Scrapy web test

This web serves for testing purposes. Content of the web is automatically generated.
The Web perfectly suits for demonstration of testing Scrapy spiders.
The Project *testplatform* serves to explain the testing of platform Scrapy spiders.

3.0.1 Steps to run web server

```
> source $PROJ_ROOT/venv/bin/activate  
> python tests/web/web.py &
```

Web will run on localhost:9312 by default. To change port, modify file [web.py](#).

Chapter 4

Namespace Index

4.1 Namespace List

Here is a list of all namespaces with brief descriptions:

- app 19
- basicplatform 20
- basicplatform.items 20
- basicplatform.middlewares 20
- basicplatform.pipelines 20
- basicplatform.pipelines.redis 21
- basicplatform.settings 21
- basicplatform.spiders 23
- basicplatform.spiders.basic 23
- basicplatform.spiders.login 24
- create 24
- lemmiwinks 26
- lemmiwinks.archive 26
- lemmiwinks.archive.abstract 26
- lemmiwinks.archive.archive 26
- lemmiwinks.archive.maff 26
- lemmiwinks.archive.migration 27
- lemmiwinks.archive.migration.abstract 27
- lemmiwinks.archive.migration.container 27
- lemmiwinks.archive.migration.migrate 27
- lemmiwinks.archive.rdfinfo 28
- lemmiwinks.extractor 28
- lemmiwinks.extractor.abstract 28
- lemmiwinks.extractor.extractor 28
- lemmiwinks.httplib 29
- lemmiwinks.httplib.abstract 29
- lemmiwinks.httplib.client 29
- lemmiwinks.httplib.container 29
- lemmiwinks.httplib.exception 30
- lemmiwinks.httplib.provider 30
- lemmiwinks.httplib.resolver 30
- lemmiwinks.lemmiwinks 30
- lemmiwinks.parslib 31
- lemmiwinks.parslib.abstract 31
- lemmiwinks.parslib.exception 31

lemmiwinks.parslib.parser	31
lemmiwinks.parslib.provider	32
lemmiwinks.pathgen	32
lemmiwinks.singleton	32
lemmiwinks.taskwrapper	32
model	33
models	33
models.job	33
pharty3	33
resources	34
resources.job	34
settings	36
test_archive	37
test_db	38
test_redis	38
testplatform	38
testplatform.items	39
testplatform.middlewares	39
testplatform.pipelines	39
testplatform.settings	39
testplatform.spiders	41
testplatform.spiders.test_basic	42
testplatform.spiders.test_login	42
utils	42
view	43
web	43

Chapter 5

Hierarchical Index

5.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

lemmiwinks.archive.migration.migrate._BaseElementTaskContainer	47
lemmiwinks.archive.migration.migrate.ElementTaskContainer	231
lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution	234
lemmiwinks.archive.migration.migrate._BaseHTMLMigration	51
lemmiwinks.archive.migration.migrate.HTMLMigration	264
lemmiwinks.archive.migration.migrate.HTMLMigrationWithJSExecution	267
ABC	
lemmiwinks.httplib.abstract.AsyncClient	101
lemmiwinks.httplib.client.AIOClient	77
ABCMeta	
lemmiwinks.archive.abstract.BaseLetter	116
lemmiwinks.archive.archive._HTMLResponseLetter	58
lemmiwinks.archive.archive._ResponseLetter	72
lemmiwinks.archive.archive.SaveResponseLetter	370
lemmiwinks.archive.migration.abstract.BaseEntity	111
lemmiwinks.archive.migration.migrate.CSSDeclaration	168
lemmiwinks.archive.migration.migrate.CssFile	174
lemmiwinks.archive.migration.migrate.CSSStyle	193
lemmiwinks.archive.migration.migrate.IndexFile	288
lemmiwinks.archive.migration.abstract.BaseMigration	117
lemmiwinks.archive.migration.migrate.CSSMigration	182
lemmiwinks.archive.migration.migrate.HTMLMigration	264
lemmiwinks.archive.migration.migrate.HTMLMigrationWithJSExecution	267
lemmiwinks.archive.migration.abstract.BaseProperty	119
lemmiwinks.archive.migration.abstract.DataHandler	199
lemmiwinks.archive.migration.migrate._RecursiveEntityHandler	65
lemmiwinks.archive.migration.migrate._HTMLEntityHandler	55
lemmiwinks.archive.migration.migrate.HTMLFileHandler	250
lemmiwinks.archive.migration.migrate.HTMLFileWithJsExecutionHandler	254
lemmiwinks.archive.migration.migrate.CSSFileHandler	178
lemmiwinks.archive.migration.migrate.CssDeclarationHandler	171
lemmiwinks.archive.migration.migrate.CssStyleHandler	196
lemmiwinks.archive.migration.migrate.DownloadHandler	212
lemmiwinks.archive.migration.migrate.InlineJSHandler	293

lemmiwinks.archive.migration.migrate.JSFileHandler	305
lemmiwinks.archive.migration.abstract.MigrationSettings	319
lemmiwinks.archive.migration.abstract.UpdateEntity	450
lemmiwinks.archive.migration.migrate.UpdateElementAttribute	441
lemmiwinks.archive.migration.migrate.UpdateElementAttributeSource	444
lemmiwinks.archive.migration.migrate.UpdateElementString	447
lemmiwinks.archive.migration.migrate.UpdateTokenValue	453
lemmiwinks.extractor.abstract.BaseExtractor	114
lemmiwinks.extractor.extractor.RegexExtractor	361
lemmiwinks.httplib.abstract.AsyncJsClient	106
lemmiwinks.httplib.client.SeleniumClient	377
lemmiwinks.lemmiwinks.Lemmiwinks	308
pharty3.AIOlemmiwinks	86
lemmiwinks.parslib.abstract.CSSParser	188
lemmiwinks.parslib.parser.TinyCSSParser	421
lemmiwinks.parslib.abstract.Element	219
lemmiwinks.parslib.parser.BsElement	143
lemmiwinks.parslib.abstract.HTMLParser	273
lemmiwinks.parslib.parser.BsHTMLParser	148
lemmiwinks.parslib.abstract.Token	434
lemmiwinks.parslib.parser.TinyToken	431
lemmiwinks.archive.archive.Archive	96
Base	110
pharty3.DBStorageData	200
pharty3.DBStorageJobs	203
lemmiwinks.httplib.provider.ClientFactory	153
lemmiwinks.parslib.provider.CSSParserProvider	191
DeclarativeContainer	
lemmiwinks.httplib.provider.ClientFactoryProvider	155
dict	208
lemmiwinks.archive.migration.migrate.SrcRegister	390
lemmiwinks.pathgen.DirectoryWrapper	209
lemmiwinks.archive.migration.container.ElementFilterRules	223
Enum	
lemmiwinks.archive.archive.Mode	325
lemmiwinks.httplib.container.InstanceStatus	295
Exception	239
lemmiwinks.httplib.exception.HTTPClientError	283
lemmiwinks.httplib.exception.HTTPClientConnectionFailed	278
lemmiwinks.httplib.exception.PoolError	337
lemmiwinks.httplib.exception.URLResolverError	459
lemmiwinks.httplib.exception.UriValidationError	461
lemmiwinks.parslib.exception.ParserError	334
lemmiwinks.parslib.exception.CSSParseError	186
lemmiwinks.parslib.exception.HTMLParseError	271
lemmiwinks.parslib.exception.TagDoesNotExists	392
lemmiwinks.pathgen.FilePathGenerator	240
lemmiwinks.pathgen.FilePathProvider	242
lemmiwinks.archive.migration.container.HTMLFilter	257
lemmiwinks.parslib.provider.HTMLParserProvider	277
lemmiwinks.httplib.provider.HTTPClientDownloader	280
lemmiwinks.httplib.provider.HTTPClientDownloadProvider	282
lemmiwinks.archive.migration.migrate.IndexFileContainer	292
resources.job.JobsStorage	302
lemmiwinks.lemmiwinks.Logger	311
utils.Logger	312

metaclass	318
lemmiwinks.archive.abstract.BaseLetter	116
lemmiwinks.archive.migration.abstract.BaseEntity	111
lemmiwinks.archive.migration.abstract.BaseMigration	117
lemmiwinks.archive.migration.abstract.BaseProperty	119
lemmiwinks.archive.migration.abstract.DataHandler	199
lemmiwinks.archive.migration.abstract.MigrationSettings	319
lemmiwinks.archive.migration.abstract.UpdateEntity	450
lemmiwinks.extractor.abstract.BaseExtractor	114
lemmiwinks.httplib.abstract.AsyncJsClient	106
lemmiwinks.httplib.provider.ClientPool	157
lemmiwinks.lemmiwinks.Lemmiwinks	308
lemmiwinks.parslib.abstract.CSSParser	188
lemmiwinks.parslib.abstract.Element	219
lemmiwinks.parslib.abstract.HTMLParser	273
lemmiwinks.parslib.abstract.Token	434
MigrationSettings	
pharty3.ArchiveSettings	97
lemmiwinks.pathgen.MimeFileExtension	321
lemmiwinks.archive.maff.MozillaArchiveFormat	330
object	333
basicplatform.middlewares.SeleniumMiddleware	383
basicplatform.middlewares.TestprojSpiderMiddleware	412
model.Generator	243
model.Model	326
testplatform.middlewares.TestplatformDownloaderMiddleware	402
testplatform.middlewares.TestplatformSpiderMiddleware	409
testplatform.pipelines.TestplatformPipeline	407
view.View	463
web.LoginGate	313
web.SettingsFromUrl	386
lemmiwinks.archive.rdfinfo.ParserMaffRDFInfo	335
lemmiwinks.archive.maff.RDF	344
basicplatform.pipelines.redis.RedisCache	356
pharty3.RedisWrapper	358
lemmiwinks.httplib.container.Response	364
lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo	367
Schema	
models.job.CreateJobModel	164
test_archive.TestArchivation	394
TestCase	
model.TestModel	400
test_db.TestDB	398
test_redis.TestRedis	415
lemmiwinks.archive.rdfinfo.TimeMaffRDFInfo	419
lemmiwinks.archive.migration.migrate.TokenTaskContainer	437
type	439
lemmiwinks.singleton.Singleton	388
lemmiwinks.singleton.ThreadSafeSingleton	417
lemmiwinks.httplib.provider.ClientPool	157
lemmiwinks.httplib.resolver.URLResolver	456
CrawlSpider	
basicplatform.spiders.basic.BasicSpider	129
basicplatform.spiders.login.BasicSpider	132
testplatform.spiders.test_basic.TestBasicSpider	396
testplatform.spiders.test_login.BasicSpider	137
Enum	

resources.job.ProcessStatus	339
Interface	
web.ILoginGate	284
Item	
basicplatform.items.BasicplatformItem	126
testplatform.items.TestplatformItem	404
list	
lemmiwinks.archive.archive.Envelop	238
Resource	
web.BaseResource	123
web.Api	93
web.Detail	205
web.Index	285
web.Maps	315
web.Properties	341
web.Benchmark	141
web.Dynamic	216
web.Home	248
Resource	
resources.job.Job	297
resources.job.Jobs	299

Chapter 6

Class Index

6.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

lemmiwinks.archive.migration.migrate._BaseElementTaskContainer	47
lemmiwinks.archive.migration.migrate._BaseHTMLMigration	51
lemmiwinks.archive.migration.migrate._HTMLEntityHandler	55
lemmiwinks.archive.archive._HTMLResponseLetter	58
lemmiwinks.archive.migration.migrate._RecursiveEntityHandler	65
lemmiwinks.archive.archive._ResponseLetter	72
lemmiwinks.httplib.client.AIOClient	77
pharty3.AIOlemmiwinks	86
web.Api	93
lemmiwinks.archive.archive.Archive	96
pharty3.ArchiveSettings	97
lemmiwinks.httplib.abstract.AsyncClient	101
lemmiwinks.httplib.abstract.AsyncJsClient	106
Base	110
lemmiwinks.archive.migration.abstract.BaseEntity	111
lemmiwinks.extractor.abstract.BaseExtractor	114
lemmiwinks.archive.abstract.BaseLetter	116
lemmiwinks.archive.migration.abstract.BaseMigration	117
lemmiwinks.archive.migration.abstract.BaseProperty	119
web.BaseResource	123
basicplatform.items.BasicplatformItem	126
basicplatform.spiders.basic.BasicSpider	129
basicplatform.spiders.login.BasicSpider	132
testplatform.spiders.test_login.BasicSpider	137
web.Benchmark	141
lemmiwinks.parslib.parser.BsElement	143
lemmiwinks.parslib.parser.BsHTMLParser	148
lemmiwinks.httplib.provider.ClientFactory	153
lemmiwinks.httplib.provider.ClientFactoryProvider	155
lemmiwinks.httplib.provider.ClientPool	157
models.job.CreateJobModel	164
lemmiwinks.archive.migration.migrate.CSSDeclaration	168
lemmiwinks.archive.migration.migrate.CssDeclarationHandler	171
lemmiwinks.archive.migration.migrate.CssFile	174
lemmiwinks.archive.migration.migrate.CSSFileHandler	178

lemmiwinks.archive.migration.migrate.CSSMigration	182
lemmiwinks.parslib.exception.CSSParseError	186
lemmiwinks.parslib.abstract.CSSParser	188
lemmiwinks.parslib.provider.CSSParserProvider	191
lemmiwinks.archive.migration.migrate.CSSStyle	193
lemmiwinks.archive.migration.migrate.CssStyleHandler	196
lemmiwinks.archive.migration.abstract.DataHandler	199
pharty3.DBStorageData	200
pharty3.DBStorageJobs	203
web.Detail	205
dict	208
lemmiwinks.pathgen.DirectoryWrapper	209
lemmiwinks.archive.migration.migrate.DownloadHandler	212
web.Dynamic	216
lemmiwinks.parslib.abstract.Element	219
lemmiwinks.archive.migration.container.ElementFilterRules	223
lemmiwinks.archive.migration.migrate.ElementTaskContainer	231
lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution	234
lemmiwinks.archive.archive.Envelop	238
Exception	239
lemmiwinks.pathgen.FilePathGenerator	240
lemmiwinks.pathgen.FilePathProvider	242
model.Generator	243
web.Home	248
lemmiwinks.archive.migration.migrate.HTMLFileHandler	250
lemmiwinks.archive.migration.migrate.HTMLFileWithJsExecutionHandler	254
lemmiwinks.archive.migration.container.HTMLFilter	257
lemmiwinks.archive.migration.migrate.HTMLMigration	264
lemmiwinks.archive.migration.migrate.HTMLMigrationWithJSExecution	267
lemmiwinks.parslib.exception.HTMLParseError	271
lemmiwinks.parslib.abstract.HTMLParser	273
lemmiwinks.parslib.provider.HTMLParserProvider	277
lemmiwinks.httplib.exception.HTTPClientConnectionFailed	278
lemmiwinks.httplib.provider.HTTPClientDownloader	280
lemmiwinks.httplib.provider.HTTPClientDownloadProvider	282
lemmiwinks.httplib.exception.HTTPClientError	283
web.ILoginGate	284
web.Index	285
lemmiwinks.archive.migration.migrate.IndexFile	288
lemmiwinks.archive.migration.migrate.IndexFileContainer	292
lemmiwinks.archive.migration.migrate.InlineJSHandler	293
lemmiwinks.httplib.container.InstanceStatus	295
resources.job.Job	297
resources.job.Jobs	299
resources.job.JobsStorage	302
lemmiwinks.archive.migration.migrate.JSFileHandler	305
lemmiwinks.lemmiwinks.Lemmiwinks	308
lemmiwinks.lemmiwinks.Logger	311
utils.Logger	312
web.LoginGate	313
web.Maps	315
metaclass	318
lemmiwinks.archive.migration.abstract.MigrationSettings	319
lemmiwinks.pathgen.MimeFileExtension	321
lemmiwinks.archive.archive.Mode	325
model.Model	326
lemmiwinks.archive.maff.MozillaArchiveFormat	330
object	333

lemmiwinks.parslib.exception.ParserError	334
lemmiwinks.archive.rdfinfo.ParserMaffRDFInfo	335
lemmiwinks.httplib.exception.PoolError	337
resources.job.ProcessStatus	339
web.Properties	341
lemmiwinks.archive.maff.RDF	344
basicplatform.pipelines.redis.RedisCache	356
pharty3.RedisWrapper	358
lemmiwinks.extractor.extractor.RegexExtractor	361
lemmiwinks.httplib.container.Response	364
lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo	367
lemmiwinks.archive.archive.SaveResponseLetter	370
lemmiwinks.httplib.client.SeleniumClient	377
basicplatform.middlewares.SeleniumMiddleware	383
web.SettingsFromUrl	386
lemmiwinks.singleton.Singleton	388
lemmiwinks.archive.migration.migrate.SrcRegister	390
lemmiwinks.parslib.exception.TagDoesNotExists	392
test_archive.TestArchivation	394
testplatform.spiders.test_basic.TestBasicSpider	396
test_db.TestDB	398
model.TestModel	400
testplatform.middlewares.TestplatformDownloaderMiddleware	402
testplatform.items.TestplatformItem	404
testplatform.pipelines.TestplatformPipeline	407
testplatform.middlewares.TestplatformSpiderMiddleware	409
basicplatform.middlewares.TestprojSpiderMiddleware	412
test_redis.TestRedis	415
lemmiwinks.singleton.ThreadSafeSingleton	417
lemmiwinks.archive.rdfinfo.TimeMaffRDFInfo	419
lemmiwinks.parslib.parser.TinyCSSParser	421
lemmiwinks.parslib.parser.TinyToken	431
lemmiwinks.parslib.abstract.Token	434
lemmiwinks.archive.migration.migrate.TokenTaskContainer	437
type	439
lemmiwinks.archive.migration.migrate.UpdateElementAttribute	441
lemmiwinks.archive.migration.migrate.UpdateElementAttributeSource	444
lemmiwinks.archive.migration.migrate.UpdateElementString	447
lemmiwinks.archive.migration.abstract.UpdateEntity	450
lemmiwinks.archive.migration.migrate.UpdateTokenValue	453
lemmiwinks.httplib.resolver.URLResolver	456
lemmiwinks.httplib.exception.URLResolverError	459
lemmiwinks.httplib.exception.UrlValidationError	461
view.View	463

Chapter 7

File Index

7.1 File List

Here is a list of all files with brief descriptions:

lemmit/ pharty3.py	474
lemmit/ settings.py	474
lemmit/lemmiwinks/ __init__.py	465
lemmit/lemmiwinks/ lemmiwinks.py	472
lemmit/lemmiwinks/ pathgen.py	473
lemmit/lemmiwinks/ singleton.py	473
lemmit/lemmiwinks/ taskwrapper.py	474
lemmit/lemmiwinks/archive/ __init__.py	465
lemmit/lemmiwinks/archive/ abstract.py	467
lemmit/lemmiwinks/archive/ archive.py	468
lemmit/lemmiwinks/archive/ maff.py	469
lemmit/lemmiwinks/archive/ rdffinfo.py	470
lemmit/lemmiwinks/archive/migration/ __init__.py	465
lemmit/lemmiwinks/archive/migration/ abstract.py	467
lemmit/lemmiwinks/archive/migration/ container.py	469
lemmit/lemmiwinks/archive/migration/ migrate.py	470
lemmit/lemmiwinks/extractor/ __init__.py	465
lemmit/lemmiwinks/extractor/ abstract.py	467
lemmit/lemmiwinks/extractor/ extractor.py	471
lemmit/lemmiwinks/httplib/ __init__.py	465
lemmit/lemmiwinks/httplib/ abstract.py	468
lemmit/lemmiwinks/httplib/ client.py	471
lemmit/lemmiwinks/httplib/ container.py	469
lemmit/lemmiwinks/httplib/ exception.py	471
lemmit/lemmiwinks/httplib/ provider.py	472
lemmit/lemmiwinks/httplib/ resolver.py	472
lemmit/lemmiwinks/parslib/ __init__.py	466
lemmit/lemmiwinks/parslib/ abstract.py	468
lemmit/lemmiwinks/parslib/ exception.py	471
lemmit/lemmiwinks/parslib/ parser.py	473
lemmit/lemmiwinks/parslib/ provider.py	472
lemmit/tests/ test_archive.py	476
lemmit/tests/ test_db.py	476
lemmit/tests/ test_redis.py	477
scrapit/api/ app.py	477

scrapit/api/settings.py	475
scrapit/api/utils.py	478
scrapit/api/models/__init__.py	466
scrapit/api/models/job.py	477
scrapit/api/resources/__init__.py	466
scrapit/api/resources/job.py	478
scrapit/basicplatform/basicplatform/__init__.py	466
scrapit/basicplatform/basicplatform/items.py	478
scrapit/basicplatform/basicplatform/middlewares.py	479
scrapit/basicplatform/basicplatform/settings.py	475
scrapit/basicplatform/basicplatform/pipelines/__init__.py	466
scrapit/basicplatform/basicplatform/pipelines/redis.py	479
scrapit/basicplatform/basicplatform/spiders/__init__.py	466
scrapit/basicplatform/basicplatform/spiders/basic.py	480
scrapit/basicplatform/basicplatform/spiders/login.py	480
scrapit/tests/testplatform/testplatform/__init__.py	467
scrapit/tests/testplatform/testplatform/items.py	479
scrapit/tests/testplatform/testplatform/middlewares.py	479
scrapit/tests/testplatform/testplatform/pipelines.py	480
scrapit/tests/testplatform/testplatform/settings.py	476
scrapit/tests/testplatform/testplatform/spiders/__init__.py	467
scrapit/tests/testplatform/testplatform/spiders/test_basic.py	480
scrapit/tests/testplatform/testplatform/spiders/test_login.py	481
scrapit/tests/web/create.py	481
scrapit/tests/web/model.py	481
scrapit/tests/web/view.py	482
scrapit/tests/web/web.py	482

Chapter 8

Namespace Documentation

8.1 app Namespace Reference

Variables

- `werkzeug_logger` = `logging.getLogger('werkzeug')`
- `werkzeug_file_handler` = `logging.FileHandler(settings.LOG_PATH)`
- `app` = `Flask(__name__)`
- `api` = `Api(app)`
- `host`
- `debug`

8.1.1 Variable Documentation

8.1.1.1 api

```
app.api = Api(app)
```

8.1.1.2 app

```
app.app = Flask(__name__)
```

8.1.1.3 debug

```
app.debug
```

8.1.1.4 host

```
app.host
```

8.1.1.5 werkzeug_file_handler

```
app.werkzeug_file_handler = logging.FileHandler(settings.LOG_PATH)
```

8.1.1.6 werkzeug_logger

```
app.werkzeug_logger = logging.getLogger('werkzeug')
```

8.2 basicplatform Namespace Reference

Namespaces

- [items](#)
- [middlewares](#)
- [pipelines](#)
- [settings](#)
- [spiders](#)

8.3 basicplatform.items Namespace Reference

Classes

- class [BasicplatformItem](#)

8.4 basicplatform.middlewares Namespace Reference

Classes

- class [SeleniumMiddleware](#)
- class [TestprojSpiderMiddleware](#)

8.5 basicplatform.pipelines Namespace Reference

Namespaces

- [redis](#)

8.6 basicplatform.pipelines.redis Namespace Reference

Classes

- class [RedisCache](#)

8.7 basicplatform.settings Namespace Reference

Variables

- string [JOB](#) = 'basicplatform'
- string [PATTERN](#) = r'a'
- list [SPIDER_MODULES](#) = ['basicplatform.spiders']
- list [ALLOWED_DOMAINS](#) = ['fit.vutbr.cz']
- list [START_URLS](#) = ['http://www.fit.vutbr.cz']
- string [LOGIN_URL](#) = 'https://www.vutbr.cz/login/intra'
- string [FORM_NAME](#) = 'login_form'
- string [FORM_LOGIN](#) = 'LDAPlogin'
- string [FORM_PASSWORD](#) = 'LDAPpasswd'
- string [LOG_LEVEL](#) = 'DEBUG'
- bool [ROBOTSTXT_OBEY](#) = False
- bool [LOG_STDOUT](#) = True
- dictionary [ITEM_PIPELINES](#)
- string [REDIS_PIPELINE_URL](#) = 'redisdb:6379'
- string [REDIS_QUEUE](#) = 'queue'

8.7.1 Variable Documentation

8.7.1.1 ALLOWED_DOMAINS

```
list basicplatform.settings.ALLOWED_DOMAINS = ['fit.vutbr.cz']
```

8.7.1.2 FORM_LOGIN

```
string basicplatform.settings.FORM_LOGIN = 'LDAPlogin'
```

8.7.1.3 FORM_NAME

```
string basicplatform.settings.FORM_NAME = 'login_form'
```

8.7.1.4 FORM_PASSWORD

```
string basicplatform.settings.FORM_PASSWORD = 'LDAPpasswd'
```

8.7.1.5 ITEM_PIPELINES

```
dictionary basicplatform.settings.ITEM_PIPELINES
```

Initial value:

```
1 = {  
2     'basicplatform.pipelines.redis.RedisCache': 100  
3 }
```

8.7.1.6 JOB

```
string basicplatform.settings.JOB = 'basicplatform'
```

8.7.1.7 LOG_LEVEL

```
string basicplatform.settings.LOG_LEVEL = 'DEBUG'
```

8.7.1.8 LOG_STDOUT

```
bool basicplatform.settings.LOG_STDOUT = True
```

8.7.1.9 LOGIN_URL

```
string basicplatform.settings.LOGIN_URL = 'https://www.vutbr.cz/login/intra'
```

8.7.1.10 PATTERN

```
string basicplatform.settings.PATTERN = r'a'
```

8.7.1.11 REDIS_PIPELINE_URL

```
string basicplatform.settings.REDIS_PIPELINE_URL = 'redisdb:6379'
```

8.7.1.12 REDIS_QUEUE

```
string basicplatform.settings.REDIS_QUEUE = 'queue'
```

8.7.1.13 ROBOTSTXT_OBEY

```
bool basicplatform.settings.ROBOTSTXT_OBEY = False
```

8.7.1.14 SPIDER_MODULES

```
list basicplatform.settings.SPIDER_MODULES = ['basicplatform.spiders']
```

8.7.1.15 START_URLS

```
list basicplatform.settings.START_URLS = ['http://www.fit.vutbr.cz']
```

8.8 basicplatform.spiders Namespace Reference

Namespaces

- [basic](#)
- [login](#)

8.9 basicplatform.spiders.basic Namespace Reference

Classes

- class [BasicSpider](#)

8.10 basicplatform.spiders.login Namespace Reference

Classes

- class [BasicSpider](#)

8.11 create Namespace Reference

Variables

- `model` = [Model\(\)](#)
- `properties` = `int(sys.argv[1])`
- `per_index` = 30
- `item` = `model.get_item(pid)`
- `f` = `open("properties/property_%06d.html" % pid, "w")`
- tuple `indices` = `(properties + per_index - 1) / per_index`
- string `np` = `"index_%05d.html" % (page+1)`
- `int start` = `per_index * page`
- `end` = `min(per_index * (page + 1), properties)`
- dictionary `index`

8.11.1 Variable Documentation

8.11.1.1 end

```
create.end = min(per_index * (page + 1), properties)
```

8.11.1.2 f

```
create.f = open("properties/property_%06d.html" % pid, "w")
```

8.11.1.3 index

```
dictionary create.index
```

Initial value:

```
1 = {
2     'page': page,
3     'nextp': None if page >= (indices-1) else np,
4     'items': model.get_items(xrange(start, end))
5 }
```

8.11.1.4 indices

```
tuple create.indices = (properties + per_index - 1) / per_index
```

8.11.1.5 item

```
create.item = model.get_item(pid)
```

8.11.1.6 model

```
create.model = Model()
```

8.11.1.7 np

```
string create.np = "index_%05d.html" % (page+1)
```

8.11.1.8 per_index

```
int create.per_index = 30
```

8.11.1.9 properties

```
create.properties = int(sys.argv[1])
```

8.11.1.10 start

```
int create.start = per_index * page
```


8.12 lemmiwinks Namespace Reference

Namespaces

- [archive](#)
- [extractor](#)
- [httplib](#)
- [lemmiwinks](#)
- [parslib](#)
- [pathgen](#)
- [singleton](#)
- [taskwrapper](#)

8.13 lemmiwinks.archive Namespace Reference

Namespaces

- [abstract](#)
- [archive](#)
- [maff](#)
- [migration](#)
- [rdfinfo](#)

8.14 lemmiwinks.archive.abstract Namespace Reference

Classes

- class [BaseLetter](#)

8.15 lemmiwinks.archive.archive Namespace Reference

Classes

- class [_HTMLResponseLetter](#)
- class [_ResponseLetter](#)
- class [Archive](#)
- class [Envelop](#)
- class [Mode](#)
- class [SaveResponseLetter](#)

8.16 lemmiwinks.archive.maff Namespace Reference

Classes

- class [MozillaArchiveFormat](#)
- class [RDF](#)

8.17 lemmywinks.archive.migration Namespace Reference

Namespaces

- [abstract](#)
- [container](#)
- [migrate](#)

8.18 lemmywinks.archive.migration.abstract Namespace Reference

Classes

- class [BaseEntity](#)
- class [BaseMigration](#)
- class [BaseProperty](#)
- class [DataHandler](#)
- class [MigrationSettings](#)
- class [UpdateEntity](#)

8.19 lemmywinks.archive.migration.container Namespace Reference

Classes

- class [ElementFilterRules](#)
- class [HTMLFilter](#)

8.20 lemmywinks.archive.migration.migrate Namespace Reference

Classes

- class [_BaseElementTaskContainer](#)
- class [_BaseHTMLMigration](#)
- class [_HTMLEntityHandler](#)
- class [_RecursiveEntityHandler](#)
- class [CSSDeclaration](#)
- class [CssDeclarationHandler](#)
- class [CssFile](#)
- class [CSSFileHandler](#)
- class [CSSMigration](#)
- class [CSSStyle](#)
- class [CssStyleHandler](#)
- class [DownloadHandler](#)
- class [ElementTaskContainer](#)
- class [ElementTaskContainerWithJsExecution](#)
- class [HTMLFileHandler](#)
- class [HTMLFileWithJsExecutionHandler](#)
- class [HTMLMigration](#)

- class [HTMLMigrationWithJSExecution](#)
- class [IndexFile](#)
- class [IndexFileContainer](#)
- class [InlineJSHandler](#)
- class [JSFileHandler](#)
- class [SrcRegister](#)
- class [TokenTaskContainer](#)
- class [UpdateElementAttribute](#)
- class [UpdateElementAttributeSource](#)
- class [UpdateElementString](#)
- class [UpdateTokenValue](#)

8.21 lemmiwinks.archive.rdfinfo Namespace Reference

Classes

- class [ParserMaffRDFInfo](#)
- class [ResponseMaffRDFInfo](#)
- class [TimeMaffRDFInfo](#)

8.22 lemmiwinks.extractor Namespace Reference

Namespaces

- [abstract](#)
- [extractor](#)

8.23 lemmiwinks.extractor.abstract Namespace Reference

Classes

- class [BaseExtractor](#)

8.24 lemmiwinks.extractor.extractor Namespace Reference

Classes

- class [RegexExtractor](#)

8.25 lemmywinks.httplib Namespace Reference

Namespaces

- [abstract](#)
- [client](#)
- [container](#)
- [exception](#)
- [provider](#)
- [resolver](#)

8.26 lemmywinks.httplib.abstract Namespace Reference

Classes

- class [AsyncClient](#)
- class [AsyncJsClient](#)

8.27 lemmywinks.httplib.client Namespace Reference

Classes

- class [AIOClient](#)
- class [SeleniumClient](#)

8.28 lemmywinks.httplib.container Namespace Reference

Classes

- class [InstanceStatus](#)
- class [Response](#)

Variables

- [Proxy](#) = collections.namedtuple("Proxy", "url login password")
- [AIOProxy](#) = collections.namedtuple("_AIOProxy", "url auth")

8.28.1 Variable Documentation

8.28.1.1 AIOProxy

```
lemmiwinks.httplib.container.AIOProxy = collections.namedtuple("_AIOProxy", "url auth")
```

8.28.1.2 Proxy

```
lemmiwinks.httplib.container.Proxy = collections.namedtuple("Proxy", "url login password")
```

8.29 lemmiwinks.httplib.exception Namespace Reference

Classes

- class [HTTPClientConnectionFailed](#)
- class [HTTPClientError](#)
- class [PoolError](#)
- class [URLResolverError](#)
- class [UrlValidationError](#)

8.30 lemmiwinks.httplib.provider Namespace Reference

Classes

- class [ClientFactory](#)
- class [ClientFactoryProvider](#)
- class [ClientPool](#)
- class [HTTPClientDownloader](#)
- class [HTTPClientDownloadProvider](#)

8.31 lemmiwinks.httplib.resolver Namespace Reference

Classes

- class [URLResolver](#)

8.32 lemmiwinks.lemmiwinks Namespace Reference

Classes

- class [Lemmiwinks](#)
- class [Logger](#)

8.33 lemmiwinks.parslib Namespace Reference

Namespaces

- [abstract](#)
- [exception](#)
- [parser](#)
- [provider](#)

8.34 lemmiwinks.parslib.abstract Namespace Reference

Classes

- class [CSSParser](#)
- class [Element](#)
- class [HTMLParser](#)
- class [Token](#)

8.35 lemmiwinks.parslib.exception Namespace Reference

Classes

- class [CSSParseError](#)
- class [HTMLParseError](#)
- class [ParserError](#)
- class [TagDoesNotExists](#)

8.36 lemmiwinks.parslib.parser Namespace Reference

Classes

- class [BsElement](#)
- class [BsHTMLParser](#)
- class [TinyCSSParser](#)
- class [TinyToken](#)

Variables

- string [DEFAULT_ENCODING](#) = "utf-8"

8.36.1 Variable Documentation

8.36.1.1 DEFAULT_ENCODING

```
string lemmiwinks.parslib.parser.DEFAULT_ENCODING = "utf-8"
```

8.37 lemmiwinks.parslib.provider Namespace Reference

Classes

- class [CSSParserProvider](#)
- class [HTMLParserProvider](#)

8.38 lemmiwinks.pathgen Namespace Reference

Classes

- class [DirectoryWrapper](#)
- class [FilePathGenerator](#)
- class [FilePathProvider](#)
- class [MimeFileExtension](#)

8.39 lemmiwinks.singleton Namespace Reference

Classes

- class [Singleton](#)
- class [ThreadSafeSingleton](#)

8.40 lemmiwinks.taskwrapper Namespace Reference

Functions

- def [task](#) (func)

8.40.1 Function Documentation

8.40.1.1 task()

```
def lemmiwinks.taskwrapper.task (  
    func )
```

8.41 model Namespace Reference

Classes

- class [Generator](#)
- class [Model](#)
- class [TestModel](#)

8.42 models Namespace Reference

Namespaces

- [job](#)

8.43 models.job Namespace Reference

Classes

- class [CreateJobModel](#)

8.44 pharty3 Namespace Reference

Classes

- class [AIO Lemmiwinks](#)
- class [ArchiveSettings](#)
- class [DBStorageData](#)
- class [DBStorageJobs](#)
- class [RedisWrapper](#)

Variables

- [Base](#) = declarative_base()
- [db_engine](#) = create_engine(settings.DB_URL, echo=settings.DB_DEBUG)
- [db_connection](#) = db_engine.connect()
- [Session](#) = sessionmaker(bind=db_engine)
- [aio_archive](#) = AIO Lemmiwinks()

8.44.1 Variable Documentation

8.44.1.1 aio_archive

```
pharty3.aio_archive = AIOlemmiwinks()
```

8.44.1.2 Base

```
pharty3.Base = declarative_base()
```

8.44.1.3 db_connection

```
pharty3.db_connection = db_engine.connect()
```

8.44.1.4 db_engine

```
pharty3.db_engine = create_engine(settings.DB_URL, echo=settings.DB_DEBUG)
```

8.44.1.5 Session

```
pharty3.Session = sessionmaker(bind=db_engine)
```

8.45 resources Namespace Reference

Namespaces

- [job](#)

8.46 resources.job Namespace Reference

Classes

- class [Job](#)
- class [Jobs](#)
- class [JobsStorage](#)
- class [ProcessStatus](#)

Functions

- def `set_value` (str settings_path, str l_value, str r_value)
- def `set_selenium` (str settings_path, bool selenium_mode)

8.46.1 Function Documentation

8.46.1.1 `set_selenium()`

```
def resources.job.set_selenium (  
    str settings_path,  
    bool selenium_mode )
```

Sets|Unsets selenium middleware.
Selenium middleware is set only if it is uncommented.

Args:

settings_path: Path to settings.py.
selenium_mode: True if selenium middleware is going to be set, False otherwise.

Here is the caller graph for this function:



8.46.1.2 `set_value()`

```
def resources.job.set_value (  
    str settings_path,  
    str l_value,  
    str r_value )
```

Modifies regex pattern in scrapy config file.

Args:

settings_path: Path to settings.py.
l_value: Left side of assignment.
r_value: Value to be assigned.

Here is the caller graph for this function:



8.47 settings Namespace Reference

Variables

- string `REDIS_ADDRESS` = 'redis://redisdb'
- string `REDIS_QUEUE` = 'queue'
- string `DB_URL` = 'postgresql://postgres@postgresdb:5432'
- string `DB_NAME` = 'lemmit_db'
- bool `DB_DEBUG` = False
- string `LOG_PATH` = '/tmp/lemmit.log'
- `LOG_CONSOLE_LEVEL` = logging.DEBUG
- `LOG_FILE_LEVEL` = logging.INFO
- string `SCRAPY_PROJECT_PATH` = '/root/scrapit/basicplatform'

8.47.1 Variable Documentation

8.47.1.1 DB_DEBUG

```
bool settings.DB_DEBUG = False
```

8.47.1.2 DB_NAME

```
string settings.DB_NAME = 'lemmit_db'
```

8.47.1.3 DB_URL

```
string settings.DB_URL = 'postgresql://postgres@postgresdb:5432'
```

8.47.1.4 LOG_CONSOLE_LEVEL

```
settings.LOG_CONSOLE_LEVEL = logging.DEBUG
```

8.47.1.5 LOG_FILE_LEVEL

```
settings.LOG_FILE_LEVEL = logging.INFO
```

8.47.1.6 LOG_PATH

```
string settings.LOG_PATH = '/tmp/lemmit.log'
```

8.47.1.7 REDIS_ADDRESS

```
string settings.REDIS_ADDRESS = 'redis://redisdb'
```

8.47.1.8 REDIS_QUEUE

```
string settings.REDIS_QUEUE = 'queue'
```

8.47.1.9 SCRAPY_PROJECT_PATH

```
string settings.SCRAPY_PROJECT_PATH = '/root/scrapit/basicplatform'
```

8.48 test_archive Namespace Reference

Classes

- class [TestArchivation](#)

Variables

- [loop](#) = asyncio.get_event_loop()

8.48.1 Variable Documentation

8.48.1.1 loop

```
test_archive.loop = asyncio.get_event_loop()
```

8.49 test_db Namespace Reference

Classes

- class [TestDB](#)

Variables

- `loop` = `asyncio.get_event_loop()`

8.49.1 Variable Documentation

8.49.1.1 loop

```
test_db.loop = asyncio.get_event_loop()
```

8.50 test_redis Namespace Reference

Classes

- class [TestRedis](#)

Variables

- `loop` = `asyncio.get_event_loop()`

8.50.1 Variable Documentation

8.50.1.1 loop

```
test_redis.loop = asyncio.get_event_loop()
```

8.51 testplatform Namespace Reference

Namespaces

- [items](#)
- [middlewares](#)
- [pipelines](#)
- [settings](#)
- [spiders](#)

8.52 testplatform.items Namespace Reference

Classes

- class [TestplatformItem](#)

8.53 testplatform.middlewares Namespace Reference

Classes

- class [TestplatformDownloaderMiddleware](#)
- class [TestplatformSpiderMiddleware](#)

8.54 testplatform.pipelines Namespace Reference

Classes

- class [TestplatformPipeline](#)

8.55 testplatform.settings Namespace Reference

Variables

- string [BOT_NAME](#) = 'testplatform'
- list [SPIDER_MODULES](#) = ['testplatform.spiders']
- string [NEWSPIDER_MODULE](#) = 'testplatform.spiders'
- list [ALLOWED_DOMAINS](#) = ['localhost']
- list [START_URLS_BASIC](#) = ['http://localhost:9312/properties/index_00000.html']
- list [START_URLS_LOGIN](#) = ['http://localhost:9312/dynamic/gated']
- string [LOGIN_URL](#) = 'http://localhost:9312/dynamic/nonce'
- [FORM_NAME](#) = None
- string [FORM_LOGIN](#) = 'user'
- string [FORM_PASSWORD](#) = 'pass'
- string [USERNAME](#) = 'user'
- string [PASSWORD](#) = 'pass'
- int [CLOSESPIDER_ITEMCOUNT](#) = 5
- bool [ROBOTSTXT_OBEY](#) = True

8.55.1 Variable Documentation

8.55.1.1 ALLOWED_DOMAINS

```
list testplatform.settings.ALLOWED_DOMAINS = ['localhost']
```

8.55.1.2 BOT_NAME

```
string testplatform.settings.BOT_NAME = 'testplatform'
```

8.55.1.3 CLOSESPIDER_ITEMCOUNT

```
int testplatform.settings.CLOSESPIDER_ITEMCOUNT = 5
```

8.55.1.4 FORM_LOGIN

```
string testplatform.settings.FORM_LOGIN = 'user'
```

8.55.1.5 FORM_NAME

```
testplatform.settings.FORM_NAME = None
```

8.55.1.6 FORM_PASSWORD

```
string testplatform.settings.FORM_PASSWORD = 'pass'
```

8.55.1.7 LOGIN_URL

```
string testplatform.settings.LOGIN_URL = 'http://localhost:9312/dynamic/nonce'
```

8.55.1.8 NEWSPIDER_MODULE

```
string testplatform.settings.NEWSPIDER_MODULE = 'testplatform.spiders'
```

8.55.1.9 PASSWORD

```
string testplatform.settings.PASSWORD = 'pass'
```

8.55.1.10 ROBOTSTXT_OBEY

```
bool testplatform.settings.ROBOTSTXT_OBEY = True
```

8.55.1.11 SPIDER_MODULES

```
list testplatform.settings.SPIDER_MODULES = ['testplatform.spiders']
```

8.55.1.12 START_URLS_BASIC

```
list testplatform.settings.START_URLS_BASIC = ['http://localhost:9312/properties/index_↵  
00000.html']
```

8.55.1.13 START_URLS_LOGIN

```
list testplatform.settings.START_URLS_LOGIN = ['http://localhost:9312/dynamic/gated']
```

8.55.1.14 USERNAME

```
string testplatform.settings.USERNAME = 'user'
```

8.56 testplatform.spiders Namespace Reference

Namespaces

- [test_basic](#)
- [test_login](#)

8.57 testplatform.spiders.test_basic Namespace Reference

Classes

- class [TestBasicSpider](#)

8.58 testplatform.spiders.test_login Namespace Reference

Classes

- class [BasicSpider](#)

8.59 utils Namespace Reference

Classes

- class [Logger](#)

Functions

- def [deserialization](#) (ma.Schema schema)

Variables

- [ma](#) = Marshmallow()

8.59.1 Function Documentation

8.59.1.1 deserialization()

```
def utils.deserialization (
    ma.Schema schema )
```

Wraps method and checks whether provided json data corresponds to the model.

Args:
 schema: Schema to load the data and check correctness.

Returns:
 Decorated function.

Here is the caller graph for this function:



8.59.2 Variable Documentation

8.59.2.1 ma

```
utils.ma = Marshmallow()
```

8.60 view Namespace Reference

Classes

- class [View](#)

8.61 web Namespace Reference

Classes

- class [Api](#)
- class [BaseResource](#)
- class [Benchmark](#)
- class [Detail](#)
- class [Dynamic](#)
- class [Home](#)
- class [ILoginGate](#)
- class [Index](#)
- class [LoginGate](#)
- class [Maps](#)
- class [Properties](#)
- class [SettingsFromUrl](#)

Functions

- def [get_if](#)(request, k, default, cls)

Variables

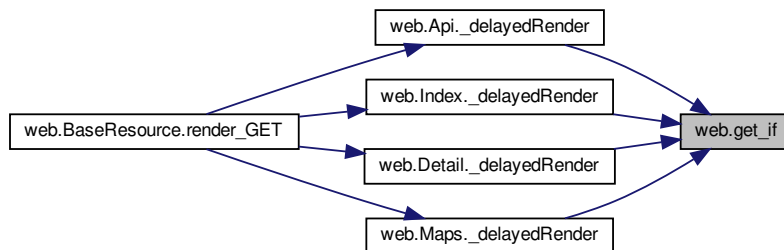
- [path](#) = os.path.dirname(os.path.abspath(__file__))
- [root](#) = Resource()
- [model](#)
- [benchmark](#) = Resource()
- [factory](#) = server.Site([root](#))
- [endpoint](#) = endpoints.TCP4ServerEndpoint(reactor, 9312)

8.61.1 Function Documentation

8.61.1.1 get_if()

```
def web.get_if (
    request,
    k,
    default,
    cls )
```

Here is the caller graph for this function:



8.61.2 Variable Documentation

8.61.2.1 benchmark

```
web.benchmark = Resource()
```

8.61.2.2 endpoint

```
web.endpoint = endpoints.TCP4ServerEndpoint(reactor, 9312)
```

8.61.2.3 factory

```
web.factory = server.Site(root)
```

8.61.2.4 model

```
web.model
```

8.61.2.5 path

```
web.path = os.path.dirname(os.path.abspath(__file__))
```

8.61.2.6 root

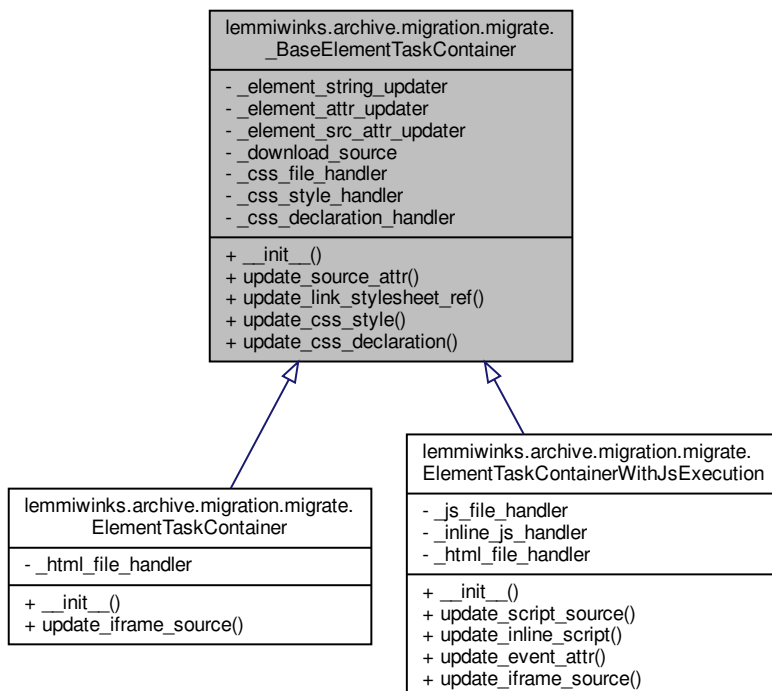
```
web.root = Resource()
```


Chapter 9

Class Documentation

9.1 lemmywinks.archive.migration.migrate._BaseElementTaskContainer Class Reference

Inheritance diagram for lemmywinks.archive.migration.migrate._BaseElementTaskContainer:



Collaboration diagram for `lemmiwinks.archive.migration.migrate._BaseElementTaskContainer`:

lemmiwinks.archive.migration.migrate._BaseElementTaskContainer
<ul style="list-style-type: none"> - <code>_element_string_updater</code> - <code>_element_attr_updater</code> - <code>_element_src_attr_updater</code> - <code>_download_source</code> - <code>_css_file_handler</code> - <code>_css_style_handler</code> - <code>_css_declaration_handler</code>
<ul style="list-style-type: none"> + <code>__init__()</code> + <code>update_source_attr()</code> + <code>update_link_stylesheet_ref()</code> + <code>update_css_style()</code> + <code>update_css_declaration()</code>

Public Member Functions

- `def __init__(self, entity_property, settings)`
- `def update_source_attr(self, element, attr)`
- `def update_link_stylesheet_ref(self, element, attr)`
- `def update_css_style(self, element)`
- `def update_css_declaration(self, element, attr)`

Private Attributes

- `_element_string_updater`
- `_element_attr_updater`
- `_element_src_attr_updater`
- `_download_source`
- `_css_file_handler`
- `_css_style_handler`
- `_css_declaration_handler`

9.1.1 Constructor & Destructor Documentation

9.1.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate._BaseElementTaskContainer.__init__(
    self,
    entity_property,
    settings )
```

Reimplemented in [lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution](#), and [lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution](#).

9.1.2 Member Function Documentation

9.1.2.1 update_css_declaration()

```
def lemmiwinks.archive.migration.migrate._BaseElementTaskContainer.update_css_declaration (
    self,
    element,
    attr )
```

9.1.2.2 update_css_style()

```
def lemmiwinks.archive.migration.migrate._BaseElementTaskContainer.update_css_style (
    self,
    element )
```

9.1.2.3 update_link_stylesheet_ref()

```
def lemmiwinks.archive.migration.migrate._BaseElementTaskContainer.update_link_stylesheet_ref
(
    self,
    element,
    attr )
```

9.1.2.4 update_source_attr()

```
def lemmiwinks.archive.migration.migrate._BaseElementTaskContainer.update_source_attr (
    self,
    element,
    attr )
```

9.1.3 Member Data Documentation

9.1.3.1 _css_declaration_handler

```
lemmiwinks.archive.migration.migrate._BaseElementTaskContainer._css_declaration_handler [private]
```


9.1.3.2 `_css_file_handler`

`lemmiwinks.archive.migration.migrate._BaseElementTaskContainer._css_file_handler` [private]

9.1.3.3 `_css_style_handler`

`lemmiwinks.archive.migration.migrate._BaseElementTaskContainer._css_style_handler` [private]

9.1.3.4 `_download_source`

`lemmiwinks.archive.migration.migrate._BaseElementTaskContainer._download_source` [private]

9.1.3.5 `_element_attr_updater`

`lemmiwinks.archive.migration.migrate._BaseElementTaskContainer._element_attr_updater` [private]

9.1.3.6 `_element_src_attr_updater`

`lemmiwinks.archive.migration.migrate._BaseElementTaskContainer._element_src_attr_updater` [private]

9.1.3.7 `_element_string_updater`

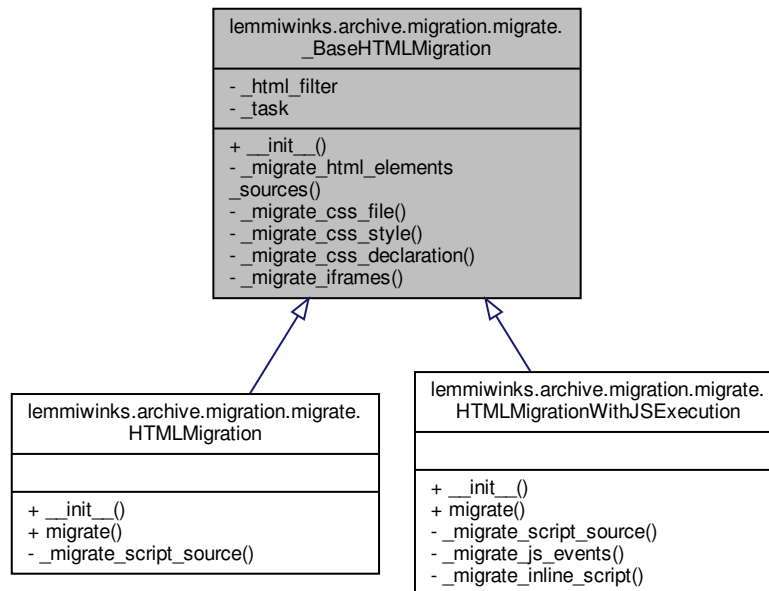
`lemmiwinks.archive.migration.migrate._BaseElementTaskContainer._element_string_updater` [private]

The documentation for this class was generated from the following file:

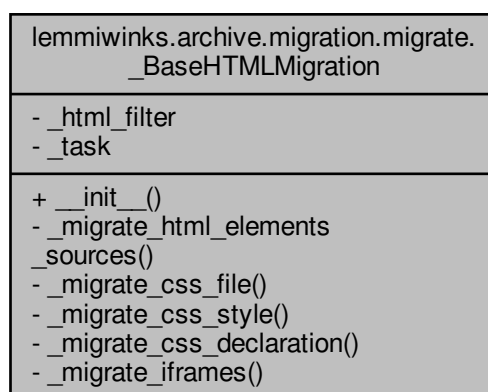
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.2 lemmiwinks.archive.migration.migrate._BaseHTMLMigration Class Reference

Inheritance diagram for lemmiwinks.archive.migration.migrate._BaseHTMLMigration:



Collaboration diagram for lemmiwinks.archive.migration.migrate._BaseHTMLMigration:



Public Member Functions

- def `__init__`(self, index_entity, task)

Private Member Functions

- [def _migrate_html_elements_sources](#) (self)
- [def _migrate_css_file](#) (self)
- [def _migrate_css_style](#) (self)
- [def _migrate_css_declaration](#) (self)
- [def _migrate_iframes](#) (self)

Private Attributes

- [_html_filter](#)
- [_task](#)

9.2.1 Constructor & Destructor Documentation

9.2.1.1 __init__()

```
def lemmiwinks.archive.migration.migrate._BaseHTMLMigration.__init__ (
    self,
    index_entity,
    task )
```

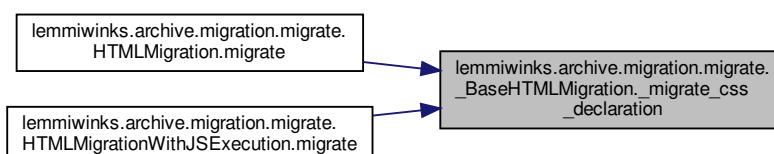
Reimplemented in [lemmiwinks.archive.migration.migrate.HTMLMigrationWithJSExecution](#), and [lemmiwinks.archive.migration.migrate](#).

9.2.2 Member Function Documentation

9.2.2.1 _migrate_css_declaration()

```
def lemmiwinks.archive.migration.migrate._BaseHTMLMigration._migrate_css_declaration (
    self ) [private]
```

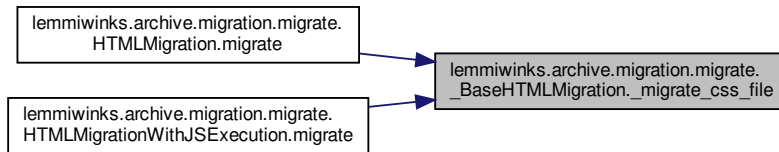
Here is the caller graph for this function:



9.2.2.2 _migrate_css_file()

```
def lemmiwinks.archive.migration.migrate._BaseHTMLMigration._migrate_css_file (
    self ) [private]
```

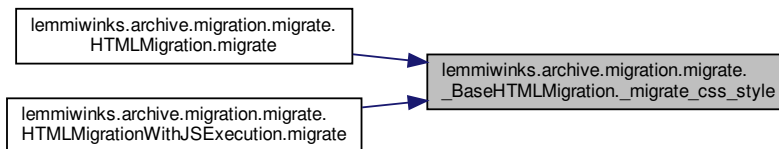
Here is the caller graph for this function:



9.2.2.3 _migrate_css_style()

```
def lemmiwinks.archive.migration.migrate._BaseHTMLMigration._migrate_css_style (
    self ) [private]
```

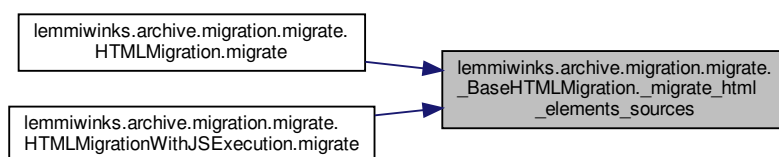
Here is the caller graph for this function:



9.2.2.4 _migrate_html_elements_sources()

```
def lemmiwinks.archive.migration.migrate._BaseHTMLMigration._migrate_html_elements_sources (
    self ) [private]
```

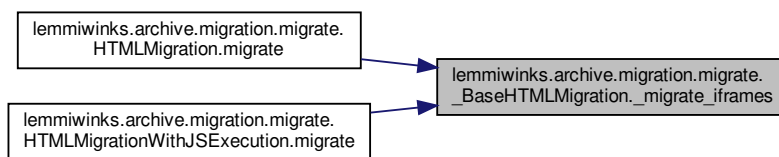
Here is the caller graph for this function:



9.2.2.5 `_migrate_iframes()`

```
def lemmiwinks.archive.migration.migrate._BaseHTMLMigration._migrate_iframes (
    self ) [private]
```

Here is the caller graph for this function:



9.2.3 Member Data Documentation

9.2.3.1 `_html_filter`

```
lemmiwinks.archive.migration.migrate._BaseHTMLMigration._html_filter [private]
```

9.2.3.2 `_task`

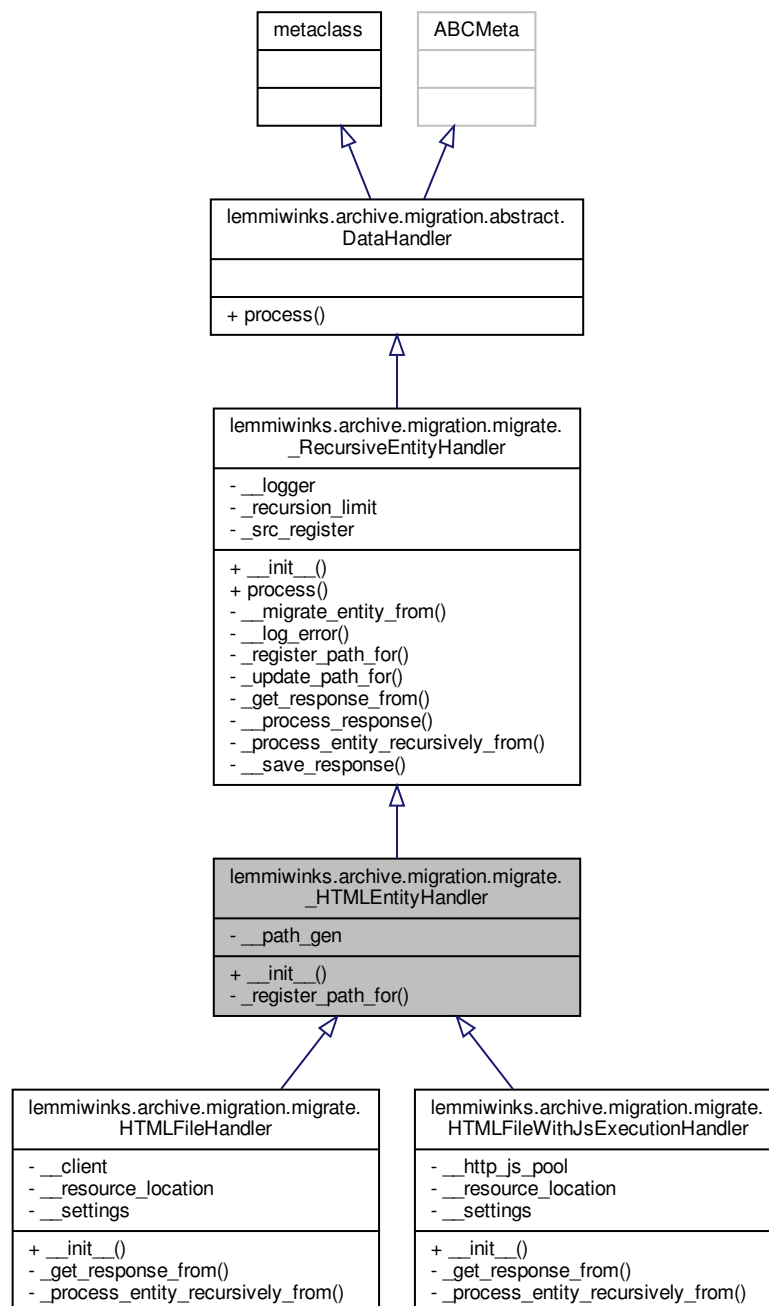
```
lemmiwinks.archive.migration.migrate._BaseHTMLMigration._task [private]
```

The documentation for this class was generated from the following file:

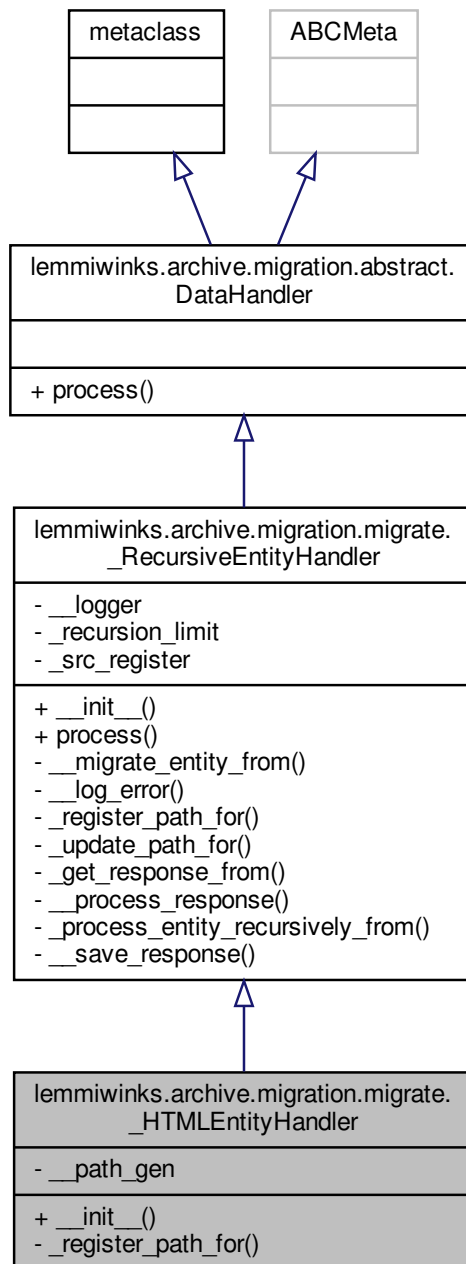
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.3 lemmiwinks.archive.migration.migrate._HTMLEntityHandler Class Reference

Inheritance diagram for lemmiwinks.archive.migration.migrate._HTMLEntityHandler:



Collaboration diagram for `lemmiwinks.archive.migration.migrate._HTMLEntityHandler`:



Public Member Functions

- `def __init__(self, entity_property, settings)`

Private Member Functions

- `def _register_path_for(self, url)`

Private Attributes

- [__path_gen](#)

9.3.1 Constructor & Destructor Documentation

9.3.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate._HTMLEntityHandler.__init__ (
    self,
    entity_property,
    settings )
```

Reimplemented in [lemmiwinks.archive.migration.migrate.HTMLFileHandler](#), and [lemmiwinks.archive.migration.migrate.HTMLFileWith](#)

9.3.2 Member Function Documentation

9.3.2.1 `_register_path_for()`

```
def lemmiwinks.archive.migration.migrate._HTMLEntityHandler._register_path_for (
    self,
    url ) [private]
```

Reimplemented from [lemmiwinks.archive.migration.migrate._RecursiveEntityHandler](#).

9.3.3 Member Data Documentation

9.3.3.1 `__path_gen`

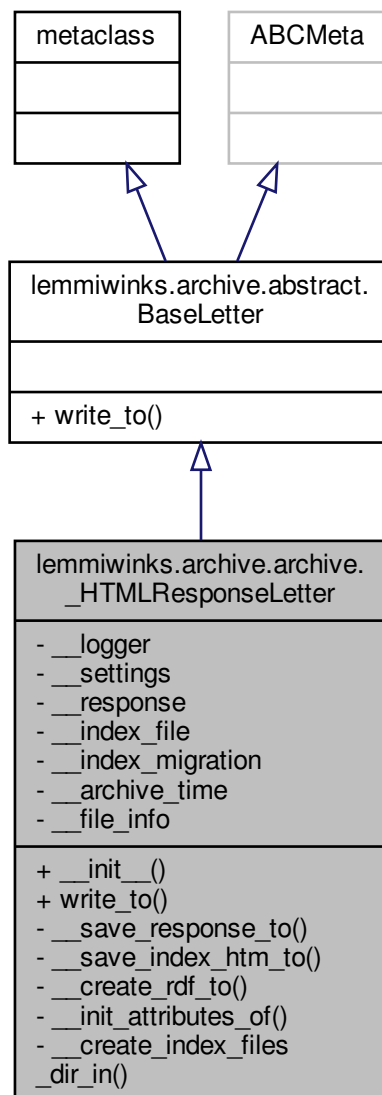
```
lemmiwinks.archive.migration.migrate._HTMLEntityHandler.__path_gen [private]
```

The documentation for this class was generated from the following file:

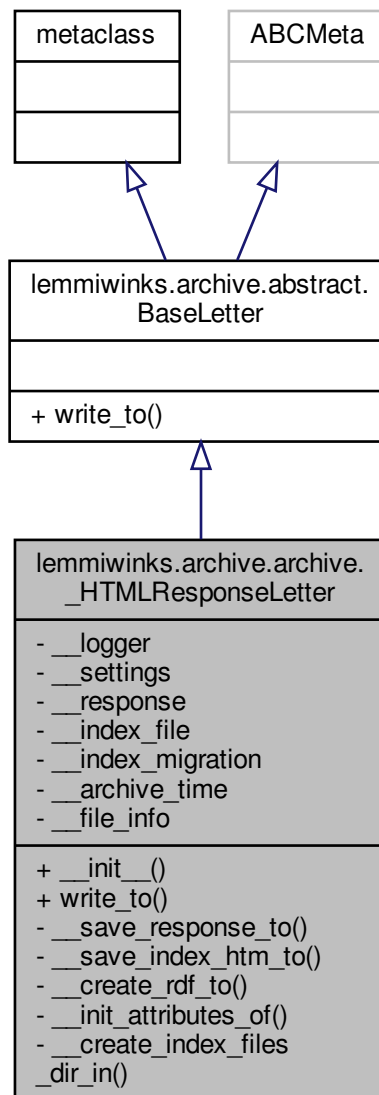
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.4 lemmiwinks.archive.archive._HTMLResponseLetter Class Reference

Inheritance diagram for lemmiwinks.archive.archive._HTMLResponseLetter:



Collaboration diagram for lemmiwinks.archive.archive._HTMLResponseLetter:



Public Member Functions

- def `__init__` (self, response, settings, index_migration)
- def `write_to` (self, location)

Private Member Functions

- def `__save_response_to` (self, location)
- def `__save_index_htm_to` (self, location)
- def `__create_rdf_to` (self, location)
- def `__init_attributes_of` (self, rdf_file)

Static Private Member Functions

- def [__create_index_files_dir_in](#) (location)

Private Attributes

- [__logger](#)
- [__settings](#)
- [__response](#)
- [__index_file](#)
- [__index_migration](#)
- [__archive_time](#)
- [__file_info](#)

9.4.1 Constructor & Destructor Documentation

9.4.1.1 [__init__\(\)](#)

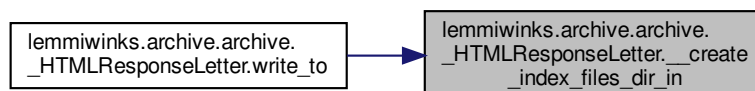
```
def lemmiwinks.archive.archive._HTMLResponseLetter.__init__ (
    self,
    response,
    settings,
    index_migration )
```

9.4.2 Member Function Documentation

9.4.2.1 [__create_index_files_dir_in\(\)](#)

```
def lemmiwinks.archive.archive._HTMLResponseLetter.__create_index_files_dir_in (
    location ) [static], [private]
```

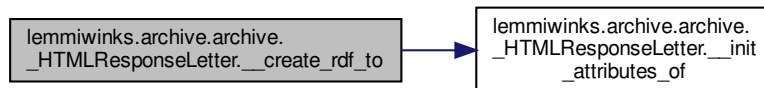
Here is the caller graph for this function:



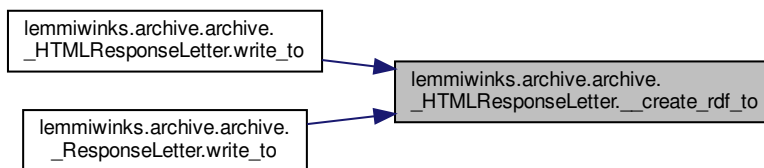
9.4.2.2 __create_rdf_to()

```
def lemmiwinks.archive.archive._HTMLResponseLetter.__create_rdf_to (
    self,
    location ) [private]
```

Here is the call graph for this function:



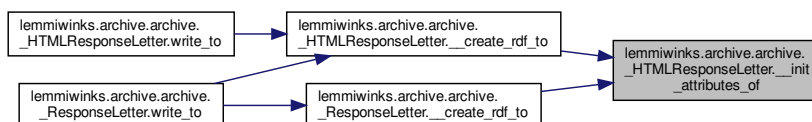
Here is the caller graph for this function:



9.4.2.3 __init_attributes_of()

```
def lemmiwinks.archive.archive._HTMLResponseLetter.__init_attributes_of (
    self,
    rdf_file ) [private]
```

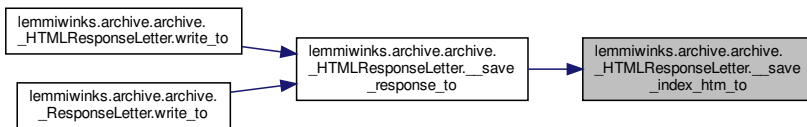
Here is the caller graph for this function:



9.4.2.4 __save_index_htm_to()

```
def lemmiwinks.archive.archive._HTMLResponseLetter.__save_index_htm_to (
    self,
    location ) [private]
```

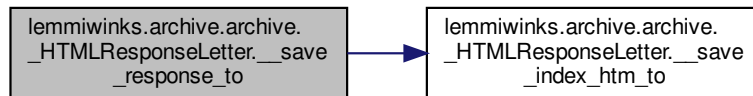
Here is the caller graph for this function:



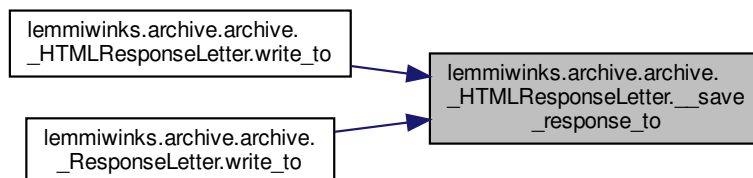
9.4.2.5 __save_response_to()

```
def lemmiwinks.archive.archive._HTMLResponseLetter.__save_response_to (
    self,
    location ) [private]
```

Here is the call graph for this function:



Here is the caller graph for this function:

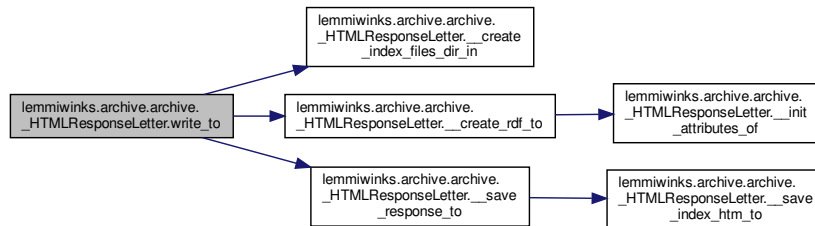


9.4.2.6 write_to()

```
def lemmiwinks.archive.archive._HTMLResponseLetter.write_to (
    self,
    location )
```

Reimplemented from [lemmiwinks.archive.abstract.BaseLetter](#).

Here is the call graph for this function:



9.4.3 Member Data Documentation

9.4.3.1 __archive_time

```
lemmiwinks.archive.archive._HTMLResponseLetter.__archive_time [private]
```

9.4.3.2 __file_info

```
lemmiwinks.archive.archive._HTMLResponseLetter.__file_info [private]
```

9.4.3.3 __index_file

```
lemmiwinks.archive.archive._HTMLResponseLetter.__index_file [private]
```

9.4.3.4 __index_migration

```
lemmiwinks.archive.archive._HTMLResponseLetter.__index_migration [private]
```

9.4.3.5 `__logger`

`lemmiwinks.archive.archive._HTMLResponseLetter.__logger` [private]

9.4.3.6 `__response`

`lemmiwinks.archive.archive._HTMLResponseLetter.__response` [private]

9.4.3.7 `__settings`

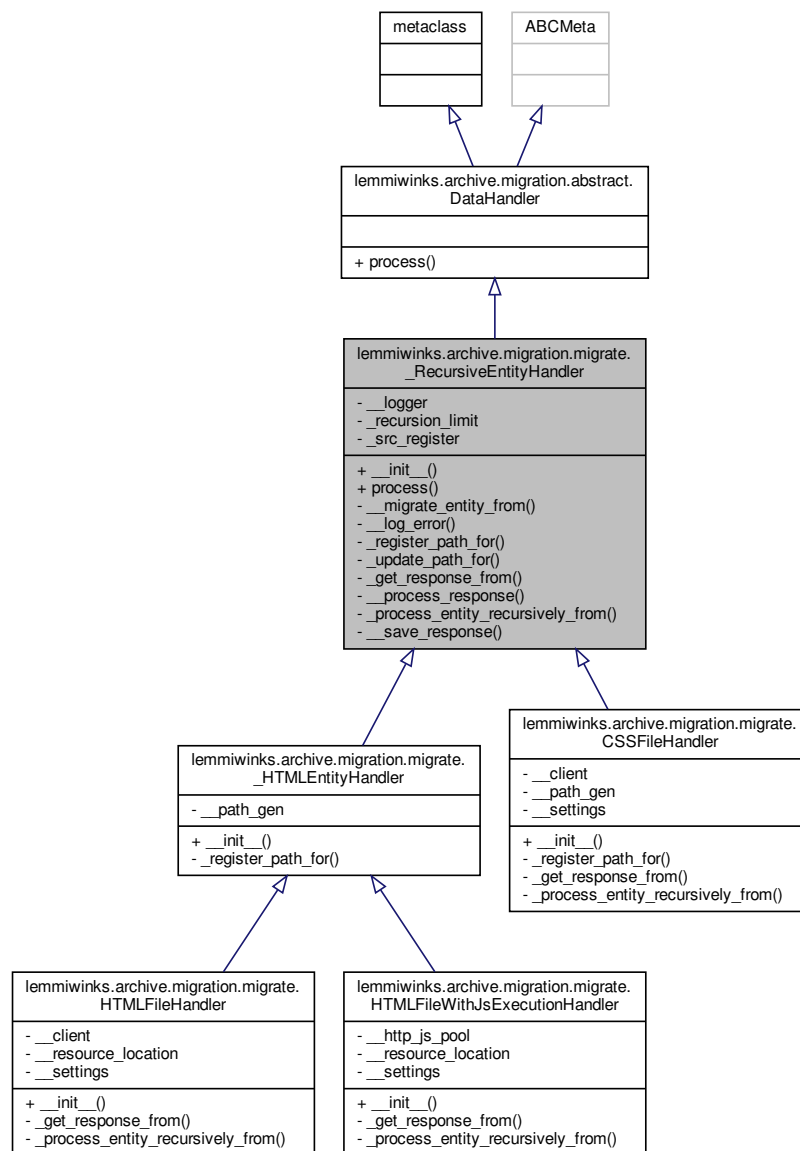
`lemmiwinks.archive.archive._HTMLResponseLetter.__settings` [private]

The documentation for this class was generated from the following file:

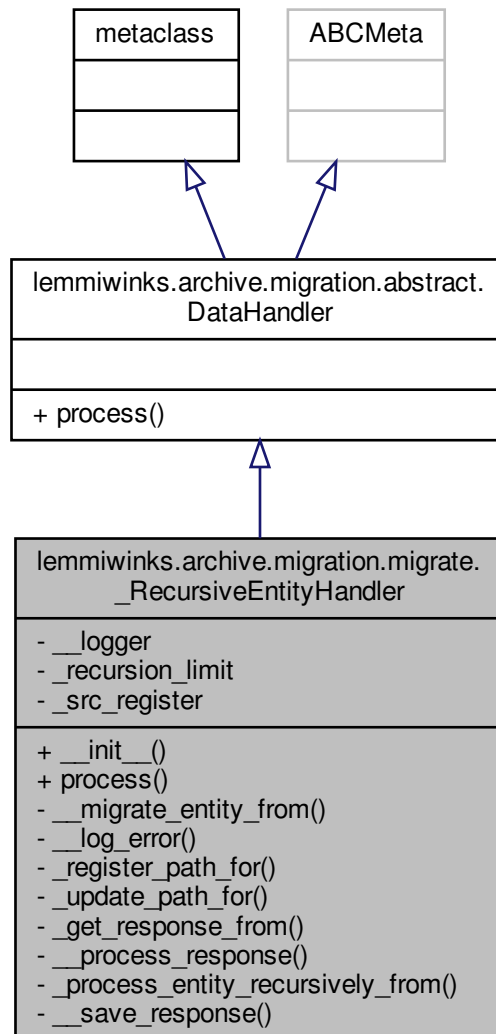
- [lemmit/lemmiwinks/archive/archive.py](#)

9.5 lemmiwinks.archive.migration.migrate._RecursiveEntityHandler Class Reference

Inheritance diagram for lemmiwinks.archive.migration.migrate._RecursiveEntityHandler:



Collaboration diagram for `lemmiwinks.archive.migration.migrate._RecursiveEntityHandler`:



Public Member Functions

- def `__init__` (self, recursion_limit)
- def `process` (self, url)

Private Member Functions

- def `__migrate_entity_from` (self, url)
- def `__log_error` (self, **kwargs)
- def `__register_path_for` (self, url)
- def `__update_path_for` (self, urlkey, accessed_url, requested_url)
- def `__get_response_from` (self, url)
- def `__process_response` (self, response)
- def `__process_entity_recursively_from` (self, response)
- def `__save_response` (self, response)

Private Attributes

- [__logger](#)
- [_recursion_limit](#)
- [_src_register](#)

9.5.1 Detailed Description

Abstract class used for migration of recursive file such as CSS or HTML. It implements generic concrete implementation expect of methods `_get_response_from(self, url)`, `_register_path_for(self, url)`, and `_process_entity_recursively_from(self, response)`.

The `_get_response_from(self, url)` method should implement get request on server specified by url. It returns response object.

The `_register_path_for(self, url)` method generate filepath for new resources with file extension. the url and path are added to `src_register` dictionary.

The `_process_entity_recursively_from(self, response)` contains of recursive call of CSS or HTML migration.

9.5.2 Constructor & Destructor Documentation

9.5.2.1 `__init__()`

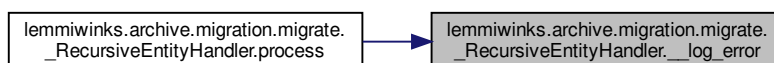
```
def lemmiwinks.archive.migration.migrate._RecursiveEntityHandler.__init__ (
    self,
    recursion_limit )
```

9.5.3 Member Function Documentation

9.5.3.1 `__log_error()`

```
def lemmiwinks.archive.migration.migrate._RecursiveEntityHandler.__log_error (
    self,
    ** kwargs ) [private]
```

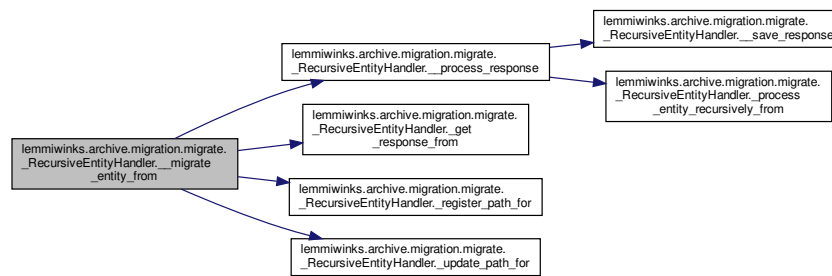
Here is the caller graph for this function:



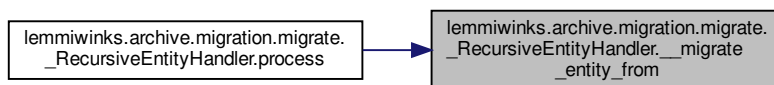
9.5.3.2 __migrate_entity_from()

```
def lemmiwinks.archive.migration.migrate._RecursiveEntityHandler.__migrate_entity_from (
    self,
    url ) [private]
```

Here is the call graph for this function:



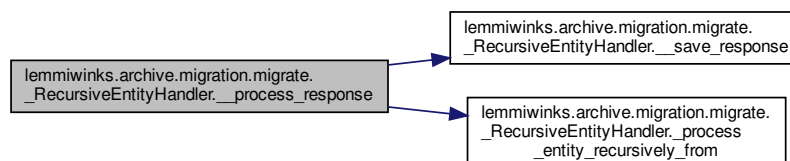
Here is the caller graph for this function:



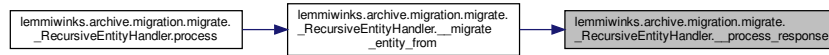
9.5.3.3 __process_response()

```
def lemmiwinks.archive.migration.migrate._RecursiveEntityHandler.__process_response (
    self,
    response ) [private]
```

Here is the call graph for this function:



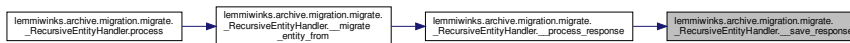
Here is the caller graph for this function:



9.5.3.4 __save_response()

```
def lemmiwinks.archive.migration.migrate._RecursiveEntityHandler.__save_response (
    self,
    response ) [private]
```

Here is the caller graph for this function:

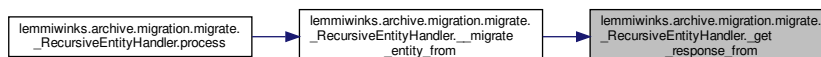


9.5.3.5 _get_response_from()

```
def lemmiwinks.archive.migration.migrate._RecursiveEntityHandler._get_response_from (
    self,
    url ) [private]
```

Reimplemented in [lemmiwinks.archive.migration.migrate.HTMLFileHandler](#), [lemmiwinks.archive.migration.migrate.HTMLFileWithJsEx](#) and [lemmiwinks.archive.migration.migrate.CSSFileHandler](#).

Here is the caller graph for this function:



9.5.3.6 `_process_entity_recursively_from()`

```
def lemmiwinks.archive.migration.migrate._RecursiveEntityHandler._process_entity_recursively←
_from (
    self,
    response ) [private]
```

Reimplemented in [lemmiwinks.archive.migration.migrate.HTMLFileHandler](#), [lemmiwinks.archive.migration.migrate.HTMLFileWithJsEx](#) and [lemmiwinks.archive.migration.migrate.CSSFileHandler](#).

Here is the caller graph for this function:



9.5.3.7 `_register_path_for()`

```
def lemmiwinks.archive.migration.migrate._RecursiveEntityHandler._register_path_for (
    self,
    url ) [private]
```

Reimplemented in [lemmiwinks.archive.migration.migrate._HTMLEntityHandler](#), and [lemmiwinks.archive.migration.migrate.CSSFileHa](#)

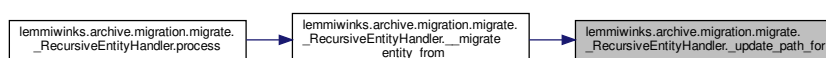
Here is the caller graph for this function:



9.5.3.8 `_update_path_for()`

```
def lemmiwinks.archive.migration.migrate._RecursiveEntityHandler._update_path_for (
    self,
    urlkey,
    accessed_url,
    requested_url ) [private]
```

Here is the caller graph for this function:

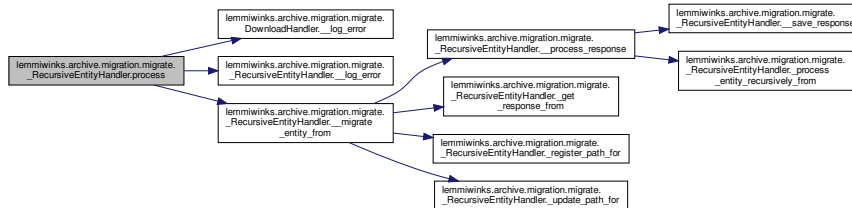


9.5.3.9 process()

```
def lemmiwinks.archive.migration.migrate._RecursiveEntityHandler.process (
    self,
    url )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.DataHandler](#).

Here is the call graph for this function:



9.5.4 Member Data Documentation

9.5.4.1 __logger

```
lemmiwinks.archive.migration.migrate._RecursiveEntityHandler.__logger [private]
```

9.5.4.2 _recursion_limit

```
lemmiwinks.archive.migration.migrate._RecursiveEntityHandler._recursion_limit [private]
```

9.5.4.3 _src_register

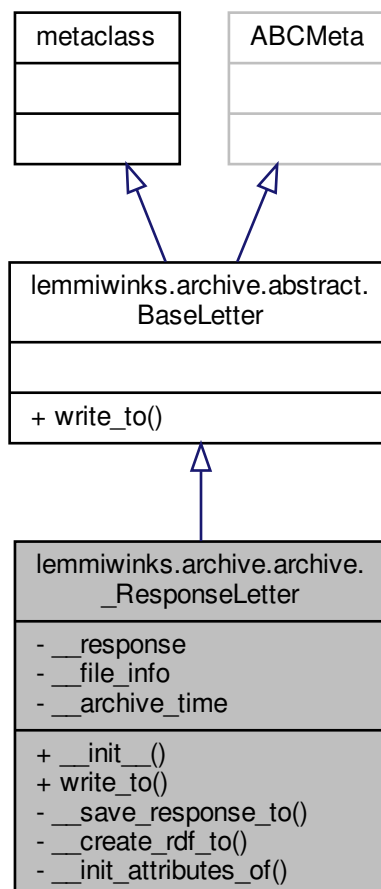
```
lemmiwinks.archive.migration.migrate._RecursiveEntityHandler._src_register [private]
```

The documentation for this class was generated from the following file:

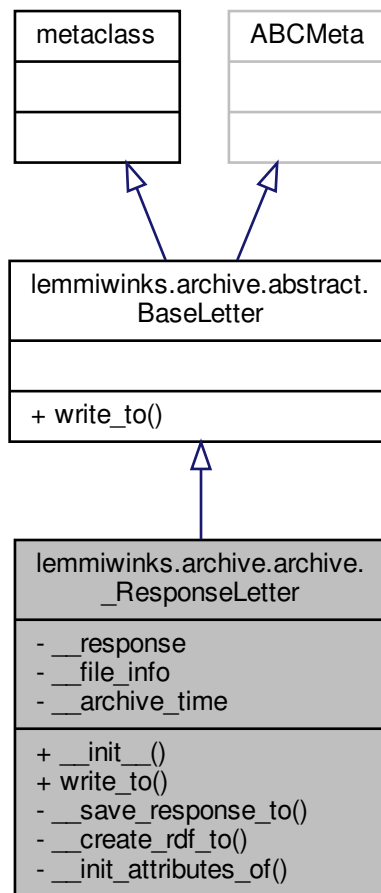
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.6 lemmiwinks.archive.archive._ResponseLetter Class Reference

Inheritance diagram for lemmiwinks.archive.archive._ResponseLetter:



Collaboration diagram for lemmiwinks.archive.archive._ResponseLetter:



Public Member Functions

- def [__init__](#) (self, response)
- def [write_to](#) (self, location)

Private Member Functions

- def [__save_response_to](#) (self, location)
- def [__create_rdf_to](#) (self, location)
- def [__init_attributes_of](#) (self, rdf_file)

Private Attributes

- [__response](#)
- [__file_info](#)
- [__archive_time](#)

9.6.1 Constructor & Destructor Documentation

9.6.1.1 __init__()

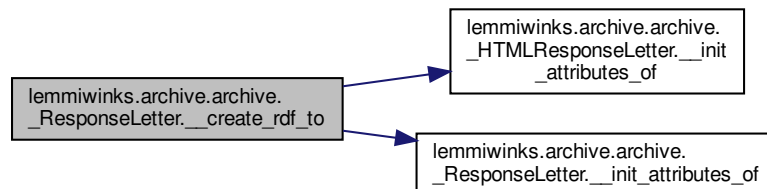
```
def lemmiwinks.archive.archive._ResponseLetter.__init__ (
    self,
    response )
```

9.6.2 Member Function Documentation

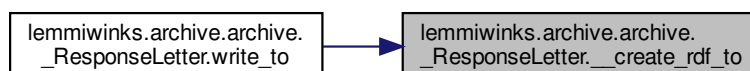
9.6.2.1 __create_rdf_to()

```
def lemmiwinks.archive.archive._ResponseLetter.__create_rdf_to (
    self,
    location ) [private]
```

Here is the call graph for this function:



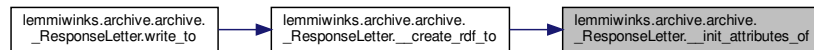
Here is the caller graph for this function:



9.6.2.2 __init_attributes_of()

```
def lemmiwinks.archive.archive._ResponseLetter.__init_attributes_of (
    self,
    rdf_file ) [private]
```

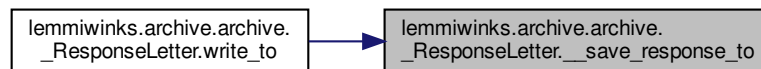
Here is the caller graph for this function:



9.6.2.3 __save_response_to()

```
def lemmiwinks.archive.archive._ResponseLetter.__save_response_to (
    self,
    location ) [private]
```

Here is the caller graph for this function:

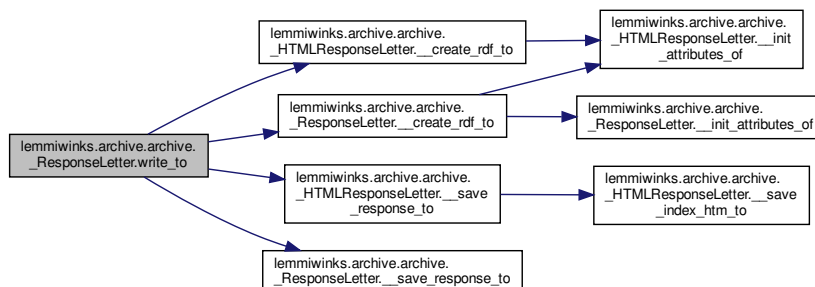


9.6.2.4 write_to()

```
def lemmiwinks.archive.archive._ResponseLetter.write_to (
    self,
    location )
```

Reimplemented from [lemmiwinks.archive.abstract.BaseLetter](#).

Here is the call graph for this function:



9.6.3 Member Data Documentation

9.6.3.1 `__archive_time`

`lemmiwinks.archive.archive._ResponseLetter.__archive_time` [private]

9.6.3.2 `__file_info`

`lemmiwinks.archive.archive._ResponseLetter.__file_info` [private]

9.6.3.3 `__response`

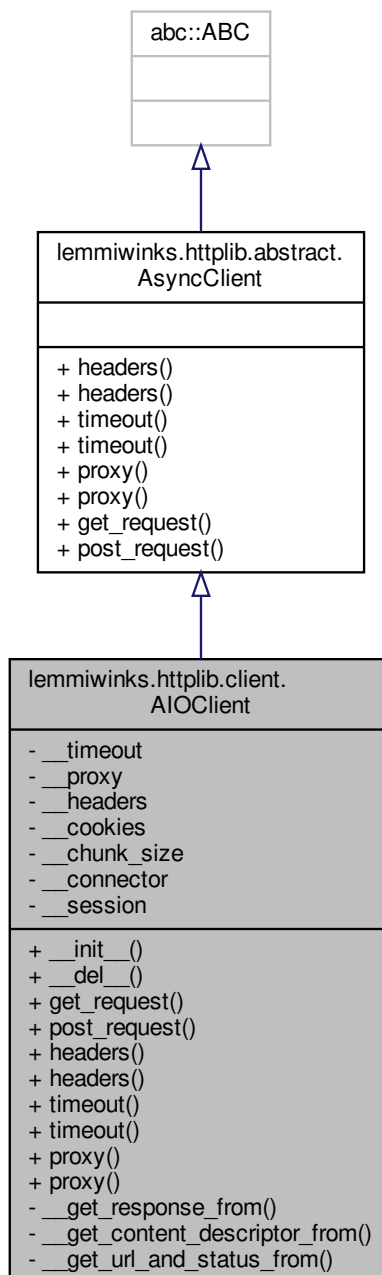
`lemmiwinks.archive.archive._ResponseLetter.__response` [private]

The documentation for this class was generated from the following file:

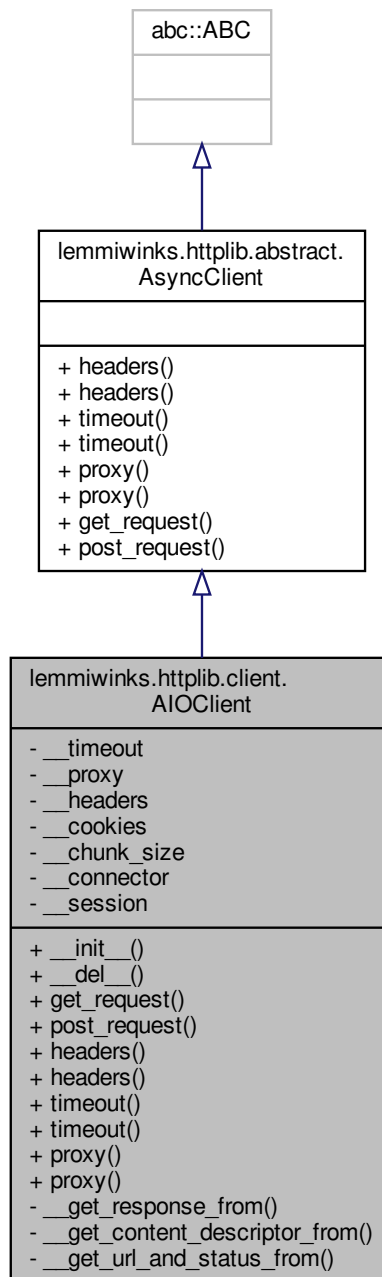
- [lemmit/lemmiwinks/archive/archive.py](#)

9.7 lemmywinks.httplib.client.AIOClient Class Reference

Inheritance diagram for lemmywinks.httplib.client.AIOClient:



Collaboration diagram for `lemmiwinks.httplib.client.AIOClient`:



Public Member Functions

- `def __init__` (self, pool_limit=30, timeout=None, proxy=None, headers=None, cookies=None)
- `def __del__` (self)
- `container.Response get_request` (self, url)
- `def post_request` (self, url, data)
- `def headers` (self)

- def [headers](#) (self, new_headers)
- def [timeout](#) (self)
- def [timeout](#) (self, time)
- def [proxy](#) (self)
- def [proxy](#) (self, new_proxy)

Private Member Functions

- def [__get_response_from](#) (self, url)
- def [__get_content_descriptor_from](#) (self, response)

Static Private Member Functions

- def [__get_url_and_status_from](#) (response)

Private Attributes

- [__timeout](#)
- [__proxy](#)
- [__headers](#)
- [__cookies](#)
- [__chunk_size](#)
- [__connector](#)
- [__session](#)

9.7.1 Constructor & Destructor Documentation

9.7.1.1 [__init__\(\)](#)

```
def lemmiwinks.httplib.client.AIOClient.__init__ (
    self,
    pool_limit = 30,
    timeout = None,
    proxy = None,
    headers = None,
    cookies = None )
```

9.7.1.2 [__del__\(\)](#)

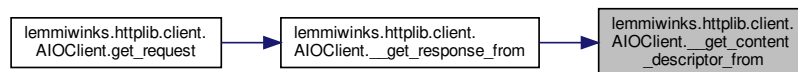
```
def lemmiwinks.httplib.client.AIOClient.__del__ (
    self )
```

9.7.2 Member Function Documentation

9.7.2.1 `__get_content_descriptor_from()`

```
def lemmiwinks.httplib.client.AIOClient.__get_content_descriptor_from (
    self,
    response ) [private]
```

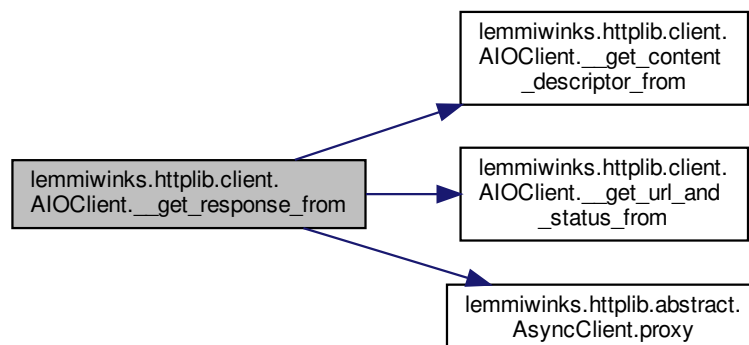
Here is the caller graph for this function:



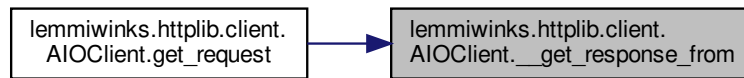
9.7.2.2 `__get_response_from()`

```
def lemmiwinks.httplib.client.AIOClient.__get_response_from (
    self,
    url ) [private]
```

Here is the call graph for this function:



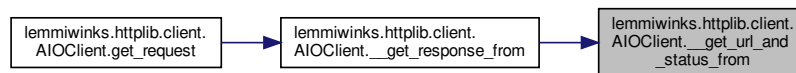
Here is the caller graph for this function:



9.7.2.3 `__get_url_and_status_from()`

```
def lemmiwinks.httplib.client.AIOClient.__get_url_and_status_from (
    response ) [static], [private]
```

Here is the caller graph for this function:

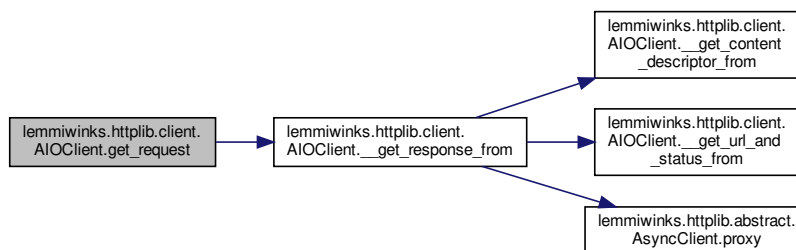


9.7.2.4 `get_request()`

```
container.Response lemmiwinks.httplib.client.AIOClient.get_request (
    self,
    url )
```

Reimplemented from [lemmiwinks.httplib.abstract.AsyncClient](#).

Here is the call graph for this function:

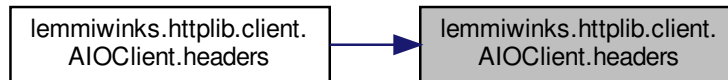


9.7.2.5 headers() [1/2]

```
def lemmiwinks.httplib.client.AIOClient.headers (
    self )
```

Reimplemented from [lemmiwinks.httplib.abstract.AsyncClient](#).

Here is the caller graph for this function:

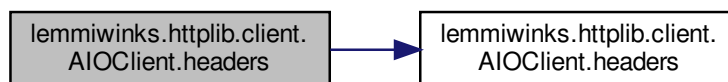


9.7.2.6 headers() [2/2]

```
def lemmiwinks.httplib.client.AIOClient.headers (
    self,
    new_headers )
```

Reimplemented from [lemmiwinks.httplib.abstract.AsyncClient](#).

Here is the call graph for this function:



9.7.2.7 post_request()

```
def lemmiwinks.httplib.client.AIOClient.post_request (
    self,
    url,
    data )
```

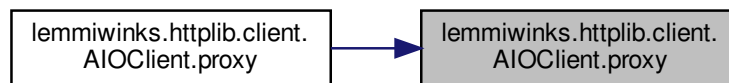
Reimplemented from [lemmiwinks.httplib.abstract.AsyncClient](#).

9.7.2.8 proxy() [1/2]

```
def lemmiwinks.httplib.client.AIOClient.proxy (
    self )
```

Reimplemented from [lemmiwinks.httplib.abstract.AsyncClient](#).

Here is the caller graph for this function:

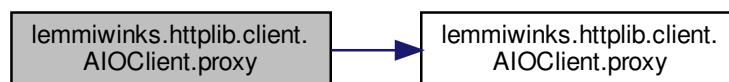


9.7.2.9 proxy() [2/2]

```
def lemmiwinks.httplib.client.AIOClient.proxy (
    self,
    new_proxy )
```

Reimplemented from [lemmiwinks.httplib.abstract.AsyncClient](#).

Here is the call graph for this function:

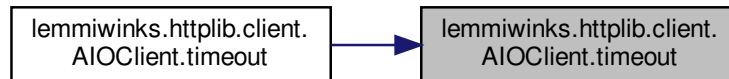


9.7.2.10 timeout() [1/2]

```
def lemmiwinks.httplib.client.AIOClient.timeout (
    self )
```

Reimplemented from [lemmiwinks.httplib.abstract.AsyncClient](#).

Here is the caller graph for this function:

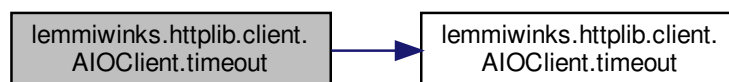


9.7.2.11 timeout() [2/2]

```
def lemmiwinks.httplib.client.AIOClient.timeout (
    self,
    time )
```

Reimplemented from [lemmiwinks.httplib.abstract.AsyncClient](#).

Here is the call graph for this function:



9.7.3 Member Data Documentation

9.7.3.1 __chunk_size

```
lemmiwinks.httplib.client.AIOClient.__chunk_size [private]
```

9.7.3.2 `__connector`

`lemmitwinks.httplib.client.AIOClient.__connector` [private]

9.7.3.3 `__cookies`

`lemmitwinks.httplib.client.AIOClient.__cookies` [private]

9.7.3.4 `__headers`

`lemmitwinks.httplib.client.AIOClient.__headers` [private]

9.7.3.5 `__proxy`

`lemmitwinks.httplib.client.AIOClient.__proxy` [private]

9.7.3.6 `__session`

`lemmitwinks.httplib.client.AIOClient.__session` [private]

9.7.3.7 `__timeout`

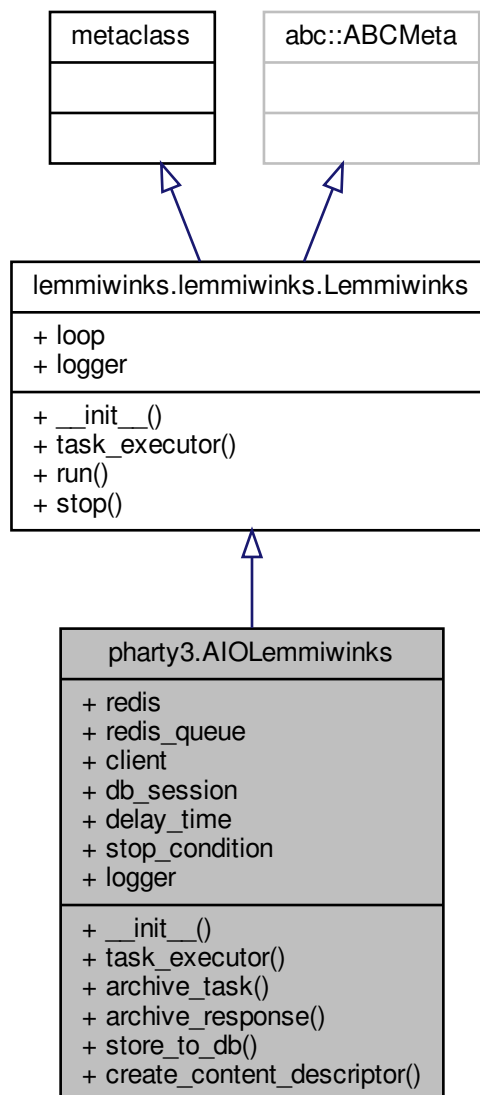
`lemmitwinks.httplib.client.AIOClient.__timeout` [private]

The documentation for this class was generated from the following file:

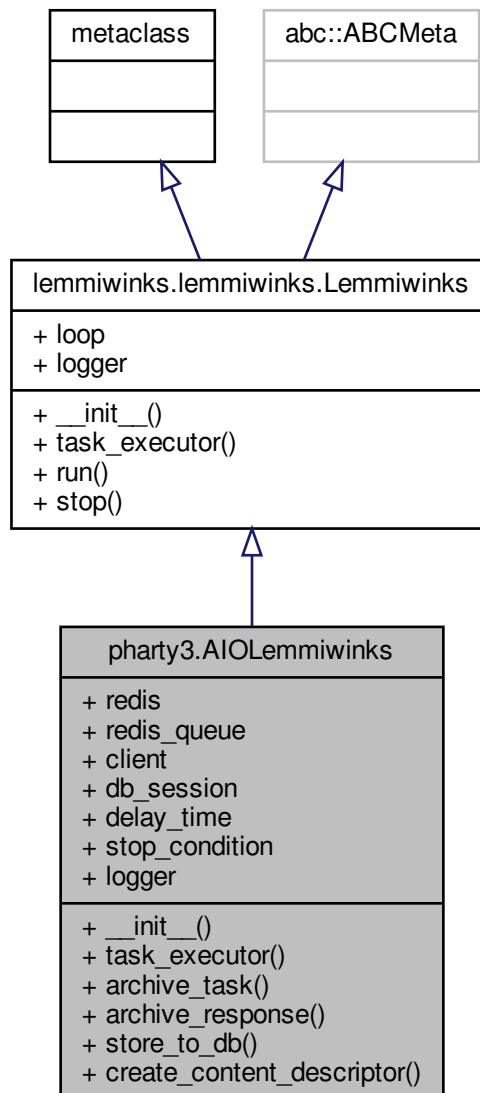
- [lemmit/lemmitwinks/httplib/client.py](#)

9.8 pharty3.AIO Lemmiwinks Class Reference

Inheritance diagram for pharty3.AIO Lemmiwinks:



Collaboration diagram for pharty3.AIO Lemmiwinks:



Public Member Functions

- def `__init__` (self)
- def `task_executor` (self)
- def `archive_task` (self, dict content)
- def `archive_response` (self, httplib.container.Response container_response, str archive_name, dict http_↔ headers)
- def `store_to_db` (self, dict content)
- def `create_content_descriptor` (self, str html_content)

Public Attributes

- [redis](#)
- [redis_queue](#)
- [client](#)
- [db_session](#)
- [delay_time](#)
- [stop_condition](#)
- [logger](#)

9.8.1 Detailed Description

Contains whole logic of archiving of sites.
Grabs data from redis and archive it.

Raises:

 RuntimeError: If redis database does not work.

9.8.2 Constructor & Destructor Documentation

9.8.2.1 `__init__()`

```
def pharty3.AIOlemmiwinks.__init__ (
    self )
```

Initializes redis instance, logger and database ORM.

Reimplemented from [lemmiwinks.lemmiwinks.Lemmiwinks](#).

9.8.3 Member Function Documentation

9.8.3.1 archive_response()

```
def pharty3.AIO Lemmiwinks.archive_response (
    self,
    http lib.container.Response container_response,
    str archive_name,
    dict http_headers )
```

Creates envelope from response and archives it.

Args:

container_response: Contains html file.
 archive_name: Name of resulting archive.
 http_headers: Http headers to be added to subsequent requests.

Here is the caller graph for this function:



9.8.3.2 archive_task()

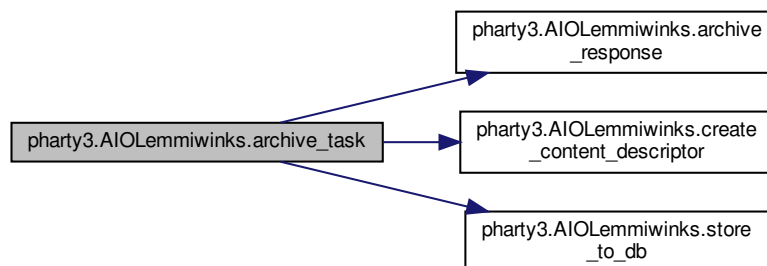
```
def pharty3.AIO Lemmiwinks.archive_task (
    self,
    dict content )
```

Archives page into maff format.

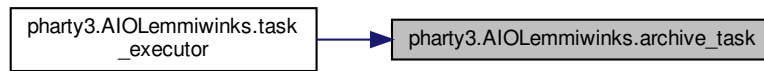
Args:

content: Dict containing all informations about archived page.

Here is the call graph for this function:



Here is the caller graph for this function:



9.8.3.3 create_content_descriptor()

```

def pharty3.AIO Lemmiwinks.create_content_descriptor (
    self,
    str html_content )
  
```

Creates content descriptor using temporary file.

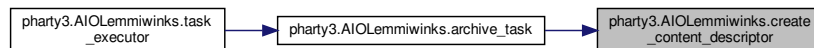
Args:

`html_content`: String containing html page.

Returns:

Content descriptor using temporary file.

Here is the caller graph for this function:



9.8.3.4 store_to_db()

```

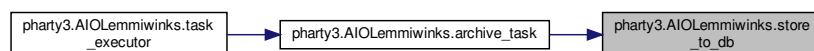
def pharty3.AIO Lemmiwinks.store_to_db (
    self,
    dict content )
  
```

Stores data into the database using ORM. Test database is Postgresql. Insertion into `DBStorageJobs` table is performed only once in the beginning.

Args:

`content`: Dict of data to be stored.

Here is the caller graph for this function:



9.8.3.5 task_executor()

```
def pharty3.AIOlemmiwinks.task_executor (
    self )
```

Loops over items in redis queue.
Serializes items and archives htmlcontent.

Reimplemented from [lemmiwinks.lemmiwinks.Lemmiwinks](#).

Here is the call graph for this function:



9.8.4 Member Data Documentation

9.8.4.1 client

`pharty3.AIOlemmiwinks.client`

9.8.4.2 db_session

`pharty3.AIOlemmiwinks.db_session`

9.8.4.3 delay_time

`pharty3.AIOlemmiwinks.delay_time`

9.8.4.4 logger

`pharty3.AIO Lemmiwinks.logger`

9.8.4.5 redis

`pharty3.AIO Lemmiwinks.redis`

9.8.4.6 redis_queue

`pharty3.AIO Lemmiwinks.redis_queue`

9.8.4.7 stop_condition

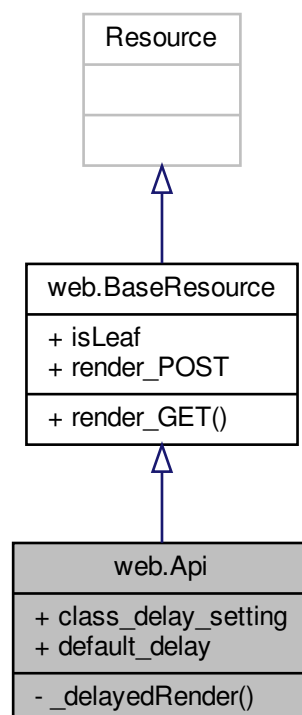
`pharty3.AIO Lemmiwinks.stop_condition`

The documentation for this class was generated from the following file:

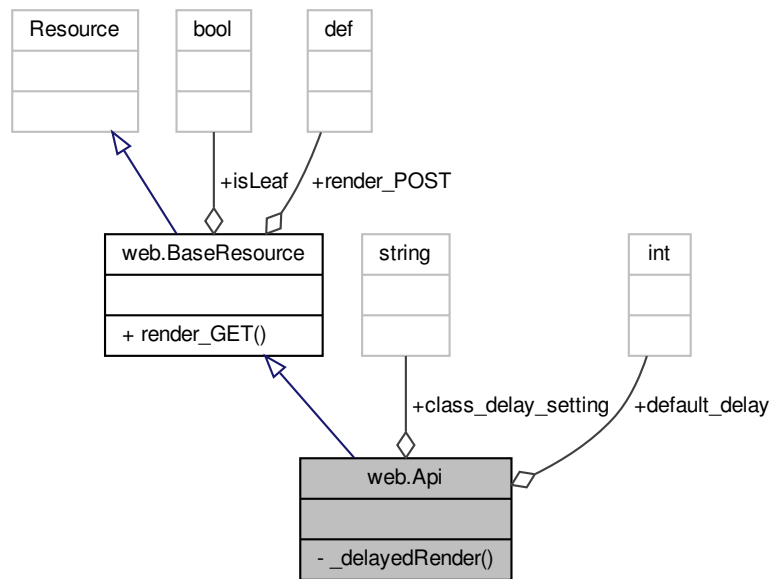
- [lemmit/pharty3.py](#)

9.9 web.Api Class Reference

Inheritance diagram for web.Api:



Collaboration diagram for web.Api:



Static Public Attributes

- string `class_delay_setting` = 'SPEED_API_T_RESPONSE'
- int `default_delay` = 3

Private Member Functions

- def `_delayedRender` (self, request, settings)

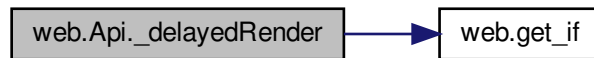
Additional Inherited Members

9.9.1 Member Function Documentation

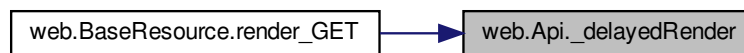
9.9.1.1 `_delayedRender()`

```
def web.Api._delayedRender (
    self,
    request,
    settings ) [private]
```

Here is the call graph for this function:



Here is the caller graph for this function:



9.9.2 Member Data Documentation

9.9.2.1 class_delay_setting

```
string web.Api.class_delay_setting = 'SPEED_API_T_RESPONSE' [static]
```

9.9.2.2 default_delay

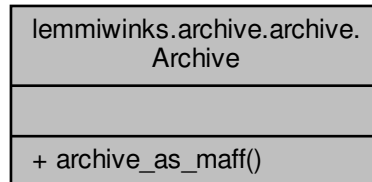
```
int web.Api.default_delay = 3 [static]
```

The documentation for this class was generated from the following file:

- [scrapit/tests/web/web.py](#)

9.10 lemmiwinks.archive.archive.Archive Class Reference

Collaboration diagram for lemmiwinks.archive.archive.Archive:



Public Member Functions

- def [archive_as_maff](#) (cls, envelop, archive_filepath)

9.10.1 Member Function Documentation

9.10.1.1 `archive_as_maff()`

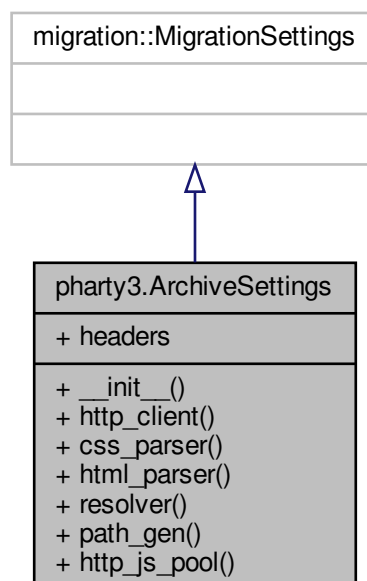
```
def lemmiwinks.archive.archive.Archive.archive_as_maff (
    cls,
    envelop,
    archive_filepath )
```

The documentation for this class was generated from the following file:

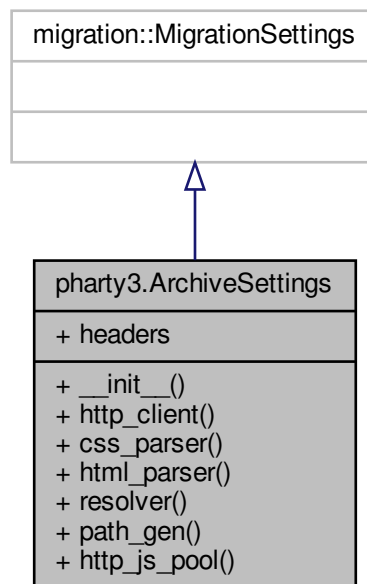
- [lemmit/lemmiwinks/archive/archive.py](#)

9.11 pharty3.ArchiveSettings Class Reference

Inheritance diagram for pharty3.ArchiveSettings:



Collaboration diagram for pharty3.ArchiveSettings:



Public Member Functions

- def `__init__` (self, `headers`)
- def `http_client` (self)
- def `css_parser` (self)
- def `html_parser` (self)
- def `resolver` (self)
- def `path_gen` (self)
- def `http_js_pool` (self)

Public Attributes

- `headers`

9.11.1 Detailed Description

Settings to be used in archivation process.

9.11.2 Constructor & Destructor Documentation

9.11.2.1 `__init__()`

```
def pharty3.ArchiveSettings.__init__ (
    self,
    headers )
```

9.11.3 Member Function Documentation

9.11.3.1 `css_parser()`

```
def pharty3.ArchiveSettings.css_parser (
    self )
```

9.11.3.2 `html_parser()`

```
def pharty3.ArchiveSettings.html_parser (
    self )
```

9.11.3.3 `http_client()`

```
def pharty3.ArchiveSettings.http_client (
    self )
```

9.11.3.4 `http_js_pool()`

```
def pharty3.ArchiveSettings.http_js_pool (
    self )
```

9.11.3.5 `path_gen()`

```
def pharty3.ArchiveSettings.path_gen (
    self )
```

9.11.3.6 resolver()

```
def pharty3.ArchiveSettings.resolver (
    self )
```

9.11.4 Member Data Documentation

9.11.4.1 headers

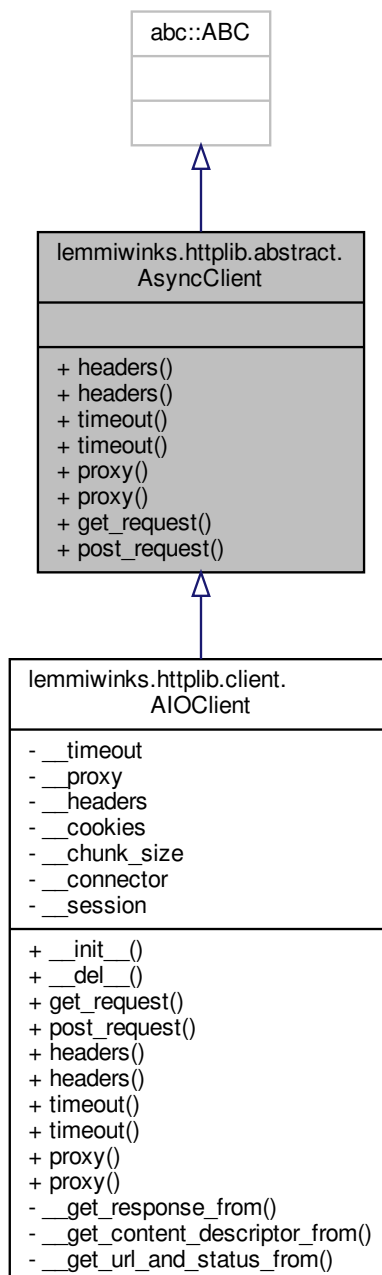
```
pharty3.ArchiveSettings.headers
```

The documentation for this class was generated from the following file:

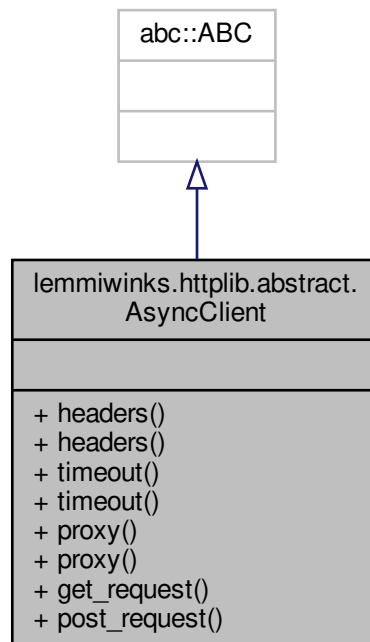
- [lemmit/pharty3.py](#)

9.12 lemmiwinks.httplib.abstract.AsyncClient Class Reference

Inheritance diagram for lemmiwinks.httplib.abstract.AsyncClient:



Collaboration diagram for `lemmiwinks.httplib.abstract.AsyncClient`:



Public Member Functions

- def `headers` (self)
- def `headers` (self, new_headers)
- def `timeout` (self)
- def `timeout` (self, new_timeout)
- def `proxy` (self)
- def `proxy` (self, new_proxy)
- def `get_request` (self, url)
- def `post_request` (self, url, data)

9.12.1 Member Function Documentation

9.12.1.1 `get_request()`

```
def lemmiwinks.httplib.abstract.AsyncClient.get_request (
    self,
    url )
```

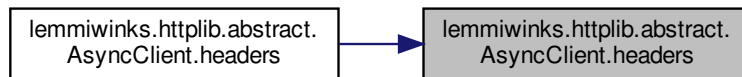
Reimplemented in [lemmiwinks.httplib.client.AIOClient](#).

9.12.1.2 headers() [1/2]

```
def lemmiwinks.httplib.abstract.AsyncClient.headers (
    self )
```

Reimplemented in [lemmiwinks.httplib.client.AIOClient](#).

Here is the caller graph for this function:

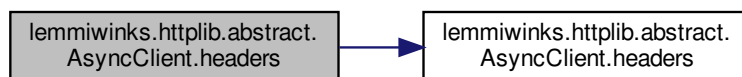


9.12.1.3 headers() [2/2]

```
def lemmiwinks.httplib.abstract.AsyncClient.headers (
    self,
    new_headers )
```

Reimplemented in [lemmiwinks.httplib.client.AIOClient](#).

Here is the call graph for this function:



9.12.1.4 post_request()

```
def lemmiwinks.httplib.abstract.AsyncClient.post_request (
    self,
    url,
    data )
```

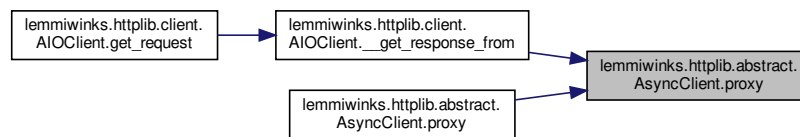
Reimplemented in [lemmiwinks.httplib.client.AIOClient](#).

9.12.1.5 proxy() [1/2]

```
def lemmywinks.httplib.abstract.AsyncClient.proxy (
    self )
```

Reimplemented in [lemmywinks.httplib.client.AIOClient](#).

Here is the caller graph for this function:

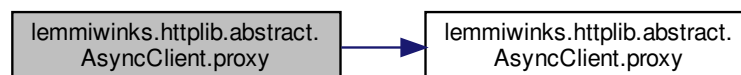


9.12.1.6 proxy() [2/2]

```
def lemmywinks.httplib.abstract.AsyncClient.proxy (
    self,
    new_proxy )
```

Reimplemented in [lemmywinks.httplib.client.AIOClient](#).

Here is the call graph for this function:

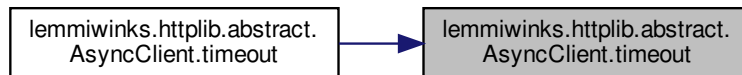


9.12.1.7 timeout() [1/2]

```
def lemmiwinks.httplib.abstract.AsyncClient.timeout (
    self )
```

Reimplemented in [lemmiwinks.httplib.client.AIOClient](#).

Here is the caller graph for this function:

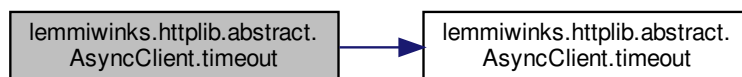


9.12.1.8 timeout() [2/2]

```
def lemmiwinks.httplib.abstract.AsyncClient.timeout (
    self,
    new_timeout )
```

Reimplemented in [lemmiwinks.httplib.client.AIOClient](#).

Here is the call graph for this function:

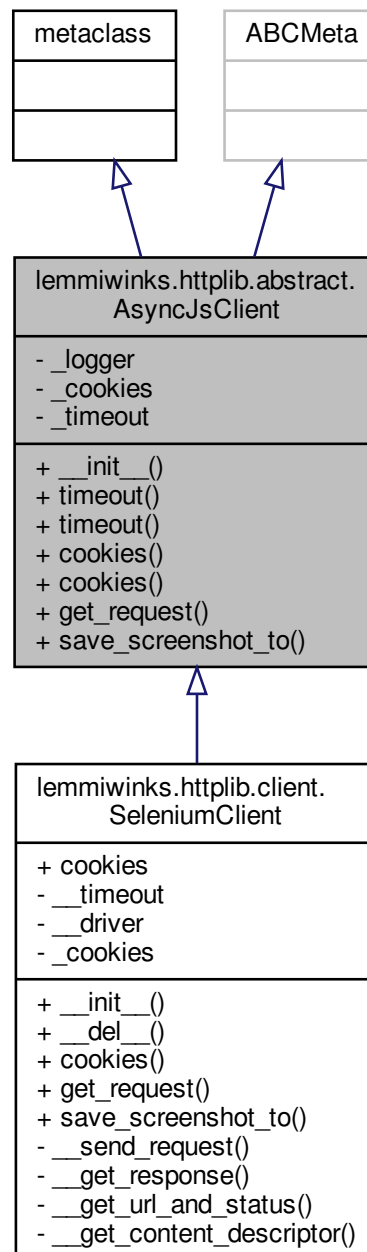


The documentation for this class was generated from the following file:

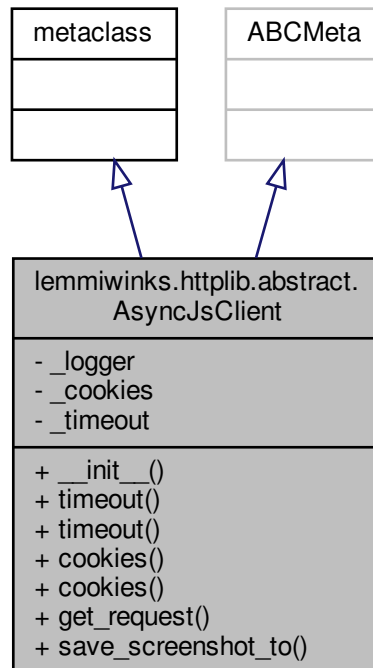
- [lemmit/lemmiwinks/httplib/abstract.py](#)

9.13 lemmywinks.httplib.abstract.AsyncJsClient Class Reference

Inheritance diagram for lemmywinks.httplib.abstract.AsyncJsClient:



Collaboration diagram for lemmiwinks.httplib.abstract.AsyncJsClient:



Public Member Functions

- def `__init__` (self, str logger_name)
- def `timeout` (self)
- def `timeout` (self, timeout)
- def `cookies` (self)
- def `cookies` (self, cookies)
- def `get_request` (self, url)
- def `save_screenshot_to` (self, filepath)

Private Attributes

- `_logger`
- `_cookies`
- `_timeout`

9.13.1 Constructor & Destructor Documentation

9.13.1.1 `__init__()`

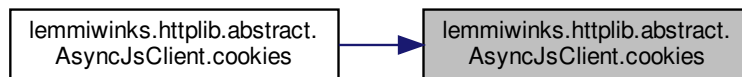
```
def lemmiwinks.httplib.abstract.AsyncJsClient.__init__ (
    self,
    str logger_name )
```

9.13.2 Member Function Documentation

9.13.2.1 `cookies()` [1/2]

```
def lemmiwinks.httplib.abstract.AsyncJsClient.cookies (
    self )
```

Here is the caller graph for this function:



9.13.2.2 `cookies()` [2/2]

```
def lemmiwinks.httplib.abstract.AsyncJsClient.cookies (
    self,
    cookies )
```

Here is the call graph for this function:



9.13.2.3 get_request()

```
def lemmiwinks.httplib.abstract.AsyncJsClient.get_request (
    self,
    url )
```

Reimplemented in [lemmiwinks.httplib.client.SeleniumClient](#).

9.13.2.4 save_screenshot_to()

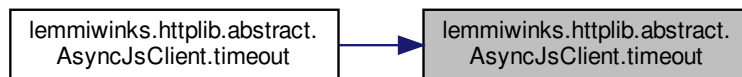
```
def lemmiwinks.httplib.abstract.AsyncJsClient.save_screenshot_to (
    self,
    filepath )
```

Reimplemented in [lemmiwinks.httplib.client.SeleniumClient](#).

9.13.2.5 timeout() [1/2]

```
def lemmiwinks.httplib.abstract.AsyncJsClient.timeout (
    self )
```

Here is the caller graph for this function:



9.13.2.6 timeout() [2/2]

```
def lemmiwinks.httplib.abstract.AsyncJsClient.timeout (
    self,
    timeout )
```

Here is the call graph for this function:



9.13.3 Member Data Documentation

9.13.3.1 `_cookies`

`lemmiwinks.httplib.abstract.AsyncJsClient._cookies` [private]

9.13.3.2 `_logger`

`lemmiwinks.httplib.abstract.AsyncJsClient._logger` [private]

9.13.3.3 `_timeout`

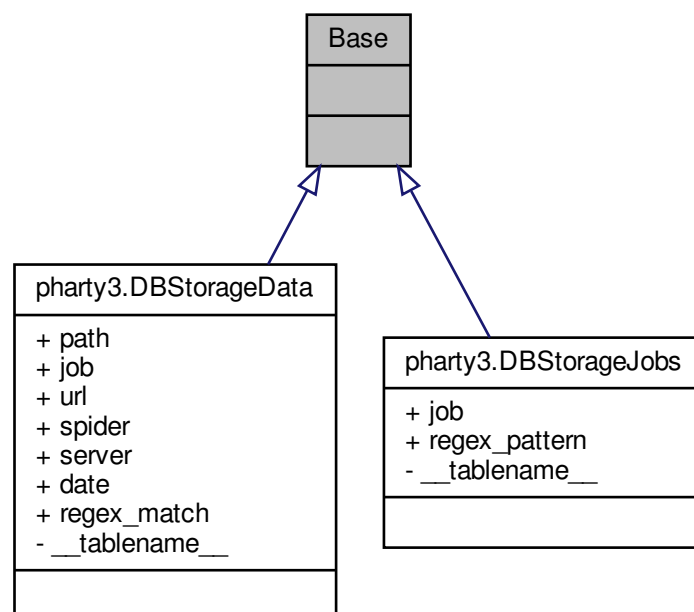
`lemmiwinks.httplib.abstract.AsyncJsClient._timeout` [private]

The documentation for this class was generated from the following file:

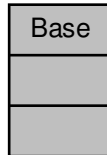
- [lemmit/lemmiwinks/httplib/abstract.py](#)

9.14 Base Class Reference

Inheritance diagram for Base:



Collaboration diagram for Base:

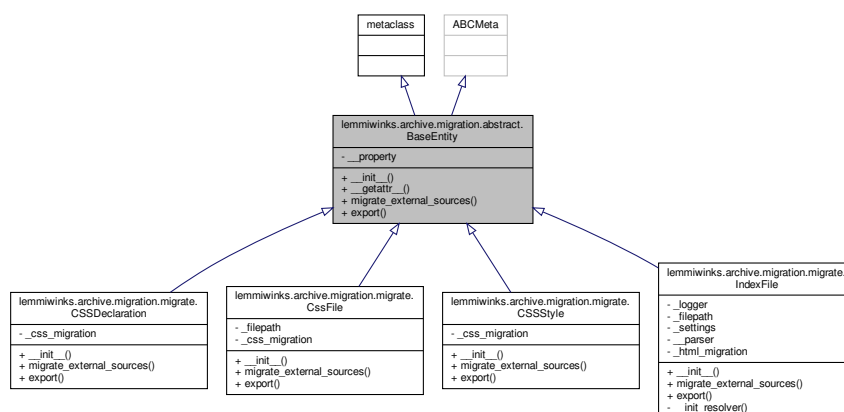


The documentation for this class was generated from the following file:

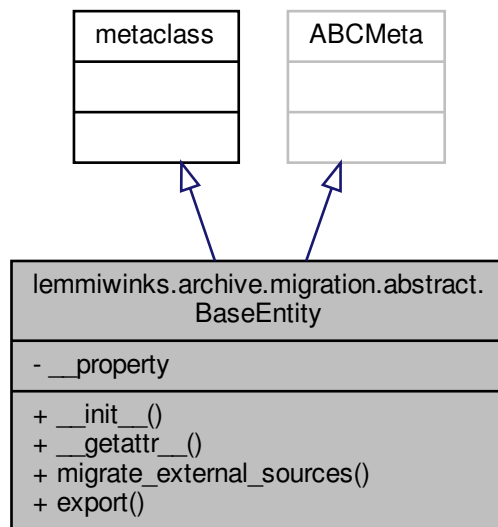
- [lemmit/pharty3.py](#)

9.15 lemmiwinks.archive.migration.abstract.BaseEntity Class Reference

Inheritance diagram for lemmiwinks.archive.migration.abstract.BaseEntity:



Collaboration diagram for `lemmiwinks.archive.migration.abstract.BaseEntity`:



Public Member Functions

- def `__init__` (self, parser, resolver, path_gen, entity_location, resource_location, recursion_limit)
- def `__getattr__` (self, item)
- def `migrate_external_sources` (self)
- def `export` (self)

Private Attributes

- `__property`

9.15.1 Constructor & Destructor Documentation

9.15.1.1 `__init__()`

```

def lemmiwinks.archive.migration.abstract.BaseEntity.__init__ (
    self,
    parser,
    resolver,
    path_gen,
    entity_location,
    resource_location,
    recursion_limit )
  
```

Reimplemented in [lemmiwinks.archive.migration.migrate.IndexFile](#), [lemmiwinks.archive.migration.migrate.CSSStyle](#), and [lemmiwinks.archive.migration.migrate.CSSDeclaration](#).

9.15.2 Member Function Documentation

9.15.2.1 `__getattr__()`

```
def lemmiwinks.archive.migration.abstract.BaseEntity.__getattr__ (
    self,
    item )
```

9.15.2.2 `export()`

```
def lemmiwinks.archive.migration.abstract.BaseEntity.export (
    self )
```

Reimplemented in [lemmiwinks.archive.migration.migrate.IndexFile](#), [lemmiwinks.archive.migration.migrate.CSSDeclaration](#), [lemmiwinks.archive.migration.migrate.CSSStyle](#), and [lemmiwinks.archive.migration.migrate.CssFile](#).

9.15.2.3 `migrate_external_sources()`

```
def lemmiwinks.archive.migration.abstract.BaseEntity.migrate_external_sources (
    self )
```

Reimplemented in [lemmiwinks.archive.migration.migrate.IndexFile](#), [lemmiwinks.archive.migration.migrate.CSSDeclaration](#), [lemmiwinks.archive.migration.migrate.CSSStyle](#), and [lemmiwinks.archive.migration.migrate.CssFile](#).

9.15.3 Member Data Documentation

9.15.3.1 `__property`

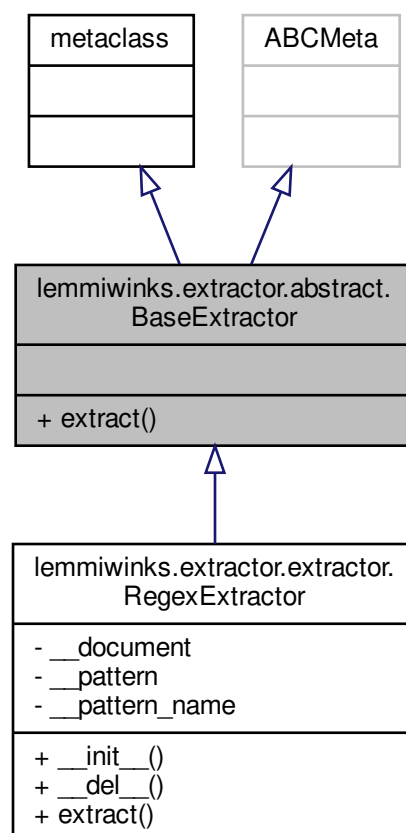
```
lemmiwinks.archive.migration.abstract.BaseEntity.__property [private]
```

The documentation for this class was generated from the following file:

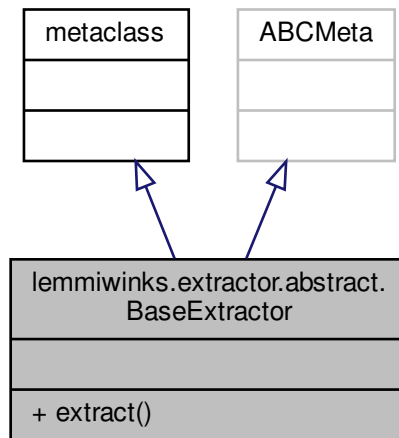
- [lemmit/lemmiwinks/archive/migration/abstract.py](#)

9.16 lemmywinks.extractor.abstract.BaseExtractor Class Reference

Inheritance diagram for lemmywinks.extractor.abstract.BaseExtractor:



Collaboration diagram for lemmywinks.extractor.abstract.BaseExtractor:



Public Member Functions

- def `extract` (self)

9.16.1 Member Function Documentation

9.16.1.1 `extract()`

```
def lemmywinks.extractor.abstract.BaseExtractor.extract (
    self )
```

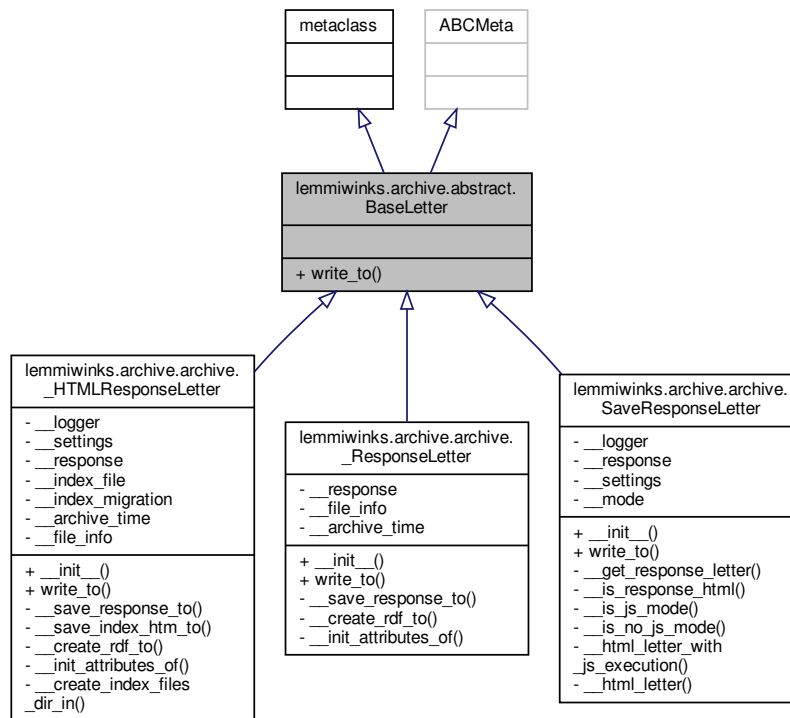
Reimplemented in [lemmywinks.extractor.extractor.RegexExtractor](#).

The documentation for this class was generated from the following file:

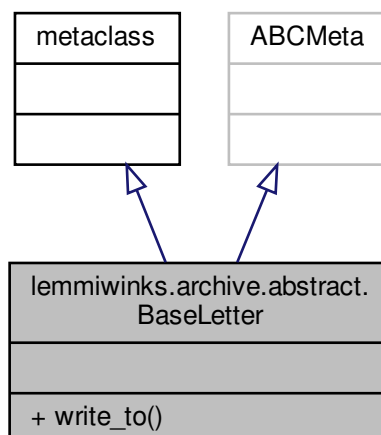
- [lemmit/lemmywinks/extractor/abstract.py](#)

9.17 lemmywinks.archive.abstract.BaseLetter Class Reference

Inheritance diagram for lemmywinks.archive.abstract.BaseLetter:



Collaboration diagram for lemmywinks.archive.abstract.BaseLetter:



Public Member Functions

- def [write_to](#) (self, location)

9.17.1 Member Function Documentation

9.17.1.1 write_to()

```
def lemmiwinks.archive.abstract.BaseLetter.write_to (
    self,
    location )
```

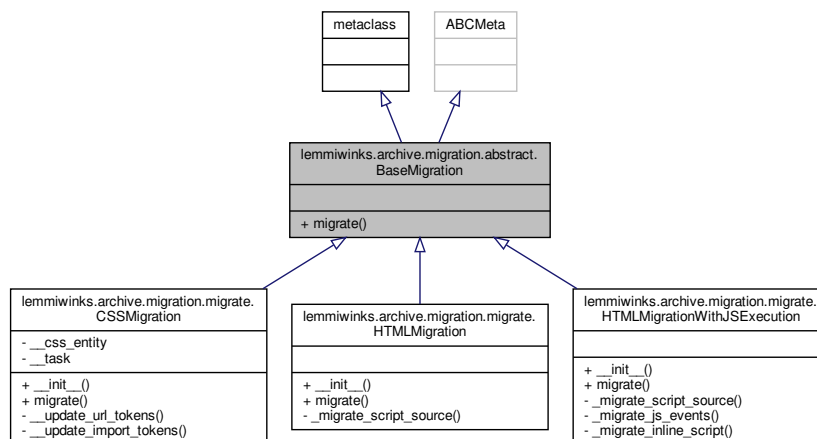
Reimplemented in [lemmiwinks.archive.archive.SaveResponseLetter](#), [lemmiwinks.archive.archive._ResponseLetter](#), and [lemmiwinks.archive.archive._HTMLResponseLetter](#).

The documentation for this class was generated from the following file:

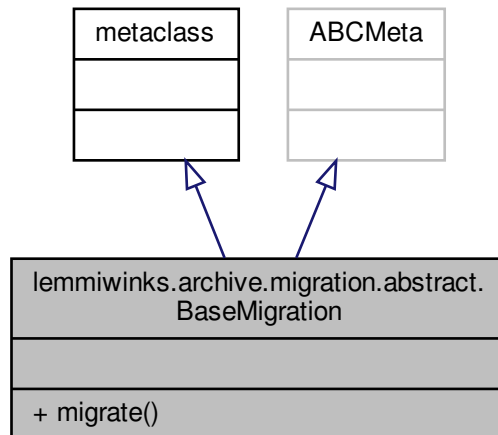
- [lemmit/lemmiwinks/archive/abstract.py](#)

9.18 lemmiwinks.archive.migration.abstract.BaseMigration Class Reference

Inheritance diagram for lemmiwinks.archive.migration.abstract.BaseMigration:



Collaboration diagram for `lemmiwinks.archive.migration.abstract.BaseMigration`:



Public Member Functions

- def `migrate` (self)

9.18.1 Member Function Documentation

9.18.1.1 `migrate()`

```
def lemmiwinks.archive.migration.abstract.BaseMigration.migrate (
    self )
```

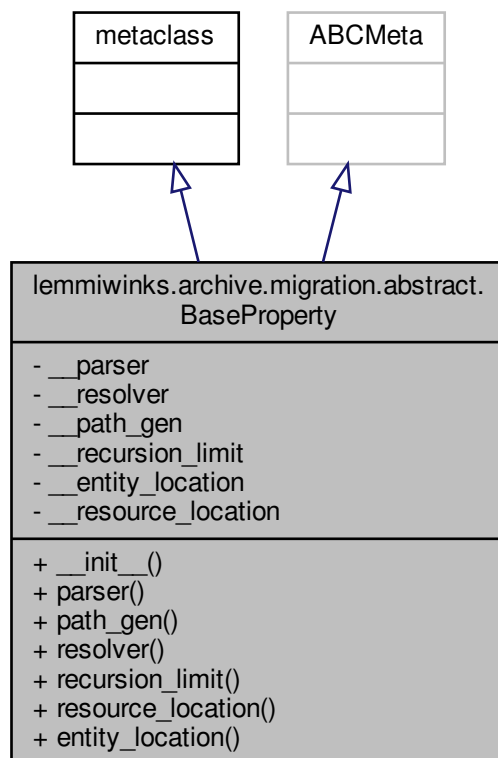
Reimplemented in [lemmiwinks.archive.migration.migrate.HTMLMigrationWithJSExecution](#), [lemmiwinks.archive.migration.migrate.HTMLMigration](#) and [lemmiwinks.archive.migration.migrate.CSSMigration](#).

The documentation for this class was generated from the following file:

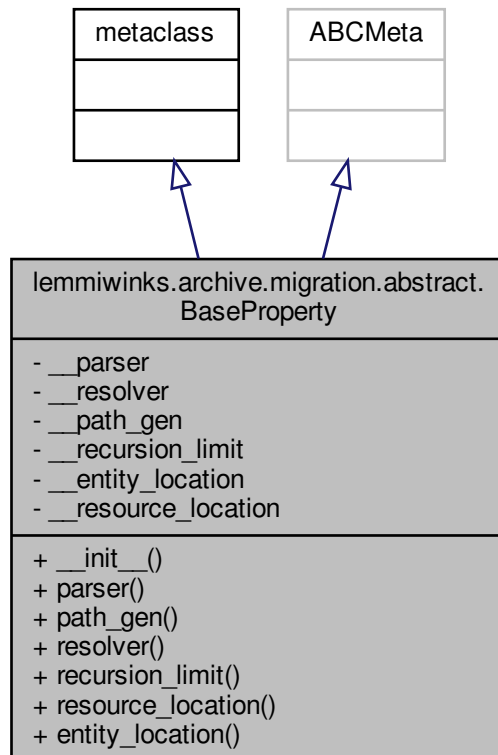
- [lemmit/lemmiwinks/archive/migration/abstract.py](#)

9.19 lemmywinks.archive.migration.abstract.BaseProperty Class Reference

Inheritance diagram for lemmywinks.archive.migration.abstract.BaseProperty:



Collaboration diagram for `lemmiwinks.archive.migration.abstract.BaseProperty`:



Public Member Functions

- `def __init__(self, parser, resolver, path_gen, entity_location, resource_location, recursion_limit)`
- `def parser(self)`
- `def path_gen(self)`
- `def resolver(self)`
- `def recursion_limit(self)`
- `def resource_location(self)`
- `def entity_location(self)`

Private Attributes

- `__parser`
- `__resolver`
- `__path_gen`
- `__recursion_limit`
- `__entity_location`
- `__resource_location`

9.19.1 Constructor & Destructor Documentation

9.19.1.1 `__init__()`

```
def lemmiwinks.archive.migration.abstract.BaseProperty.__init__ (
    self,
    parser,
    resolver,
    path_gen,
    entity_location,
    resource_location,
    recursion_limit )
```

9.19.2 Member Function Documentation

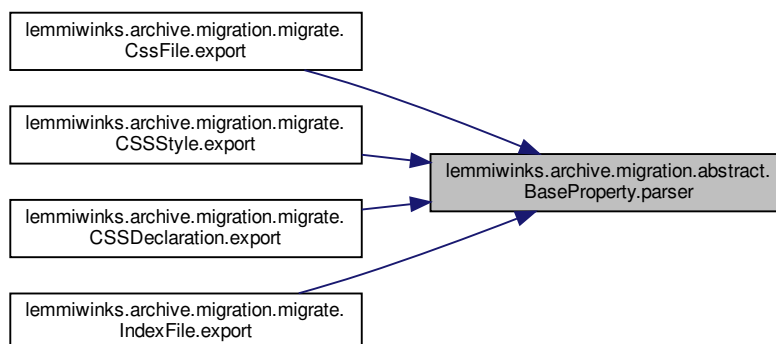
9.19.2.1 `entity_location()`

```
def lemmiwinks.archive.migration.abstract.BaseProperty.entity_location (
    self )
```

9.19.2.2 `parser()`

```
def lemmiwinks.archive.migration.abstract.BaseProperty.parser (
    self )
```

Here is the caller graph for this function:



9.19.2.3 path_gen()

```
def lemmiwinks.archive.migration.abstract.BaseProperty.path_gen (  
    self )
```

9.19.2.4 recursion_limit()

```
def lemmiwinks.archive.migration.abstract.BaseProperty.recursion_limit (  
    self )
```

9.19.2.5 resolver()

```
def lemmiwinks.archive.migration.abstract.BaseProperty.resolver (  
    self )
```

9.19.2.6 resource_location()

```
def lemmiwinks.archive.migration.abstract.BaseProperty.resource_location (  
    self )
```

9.19.3 Member Data Documentation

9.19.3.1 __entity_location

```
lemmiwinks.archive.migration.abstract.BaseProperty.__entity_location [private]
```

9.19.3.2 __parser

```
lemmiwinks.archive.migration.abstract.BaseProperty.__parser [private]
```

9.19.3.3 __path_gen

```
lemmiwinks.archive.migration.abstract.BaseProperty.__path_gen [private]
```

9.19.3.4 `__recursion_limit`

```
lemmiwinks.archive.migration.abstract.BaseProperty.__recursion_limit [private]
```

9.19.3.5 `__resolver`

```
lemmiwinks.archive.migration.abstract.BaseProperty.__resolver [private]
```

9.19.3.6 `__resource_location`

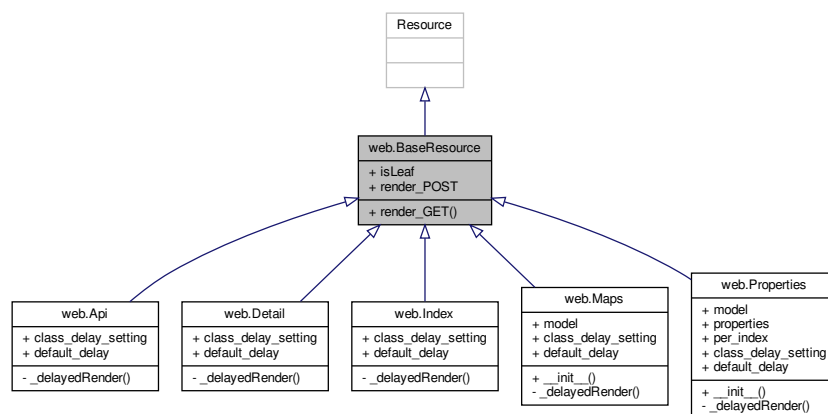
```
lemmiwinks.archive.migration.abstract.BaseProperty.__resource_location [private]
```

The documentation for this class was generated from the following file:

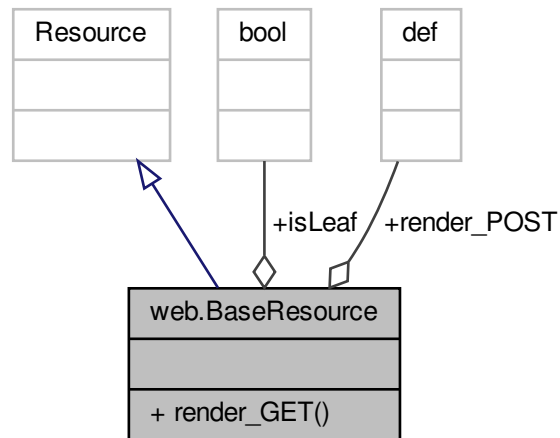
- [lemmit/lemmiwinks/archive/migration/abstract.py](#)

9.20 web.BaseResource Class Reference

Inheritance diagram for web.BaseResource:



Collaboration diagram for web.BaseResource:



Public Member Functions

- def `render_GET` (self, request)

Static Public Attributes

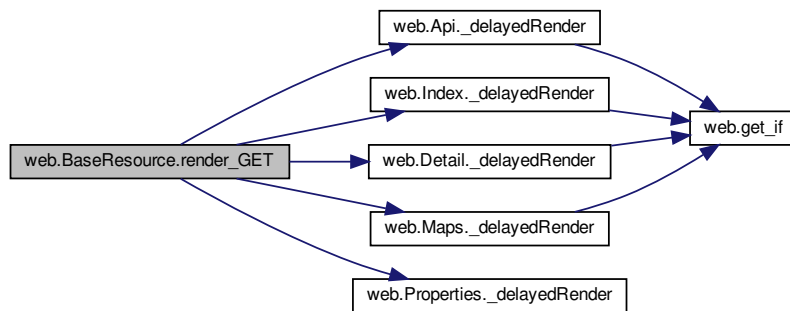
- bool `isLeaf` = True
- def `render_POST` = `render_GET`

9.20.1 Member Function Documentation

9.20.1.1 `render_GET()`

```
def web.BaseResource.render_GET (
    self,
    request )
```

Here is the call graph for this function:



9.20.2 Member Data Documentation

9.20.2.1 isLeaf

```
bool web.BaseResource.isLeaf = True [static]
```

9.20.2.2 render_POST

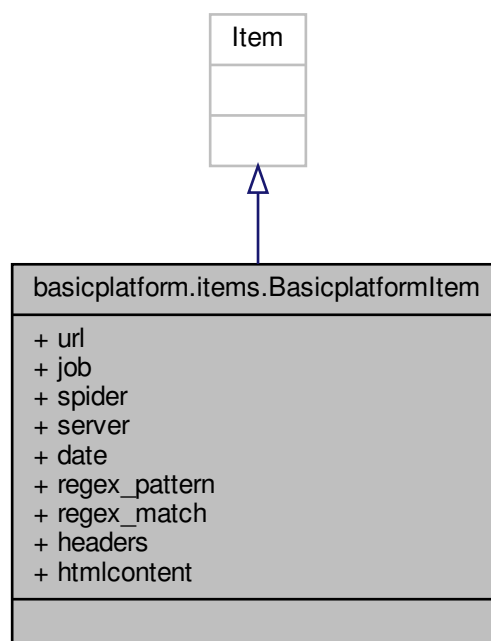
```
def web.BaseResource.render_POST = render_GET [static]
```

The documentation for this class was generated from the following file:

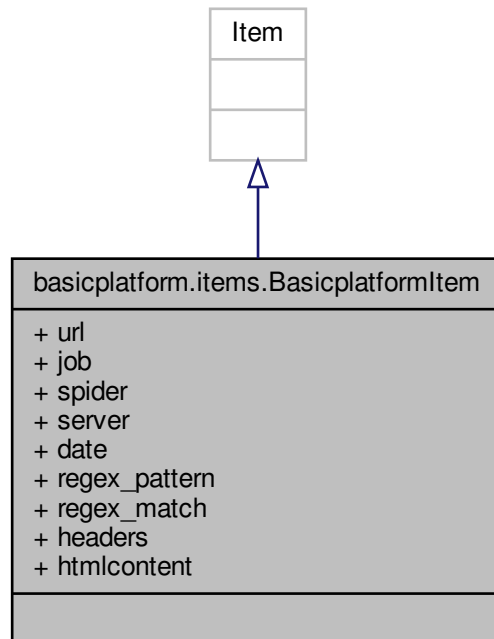
- [scrapit/tests/web/web.py](#)

9.21 basicplatform.items.BasicplatformItem Class Reference

Inheritance diagram for basicplatform.items.BasicplatformItem:



Collaboration diagram for basicplatform.items.BasicplatformItem:



Static Public Attributes

- [url](#) = Field()
- [job](#) = Field()
- [spider](#) = Field()
- [server](#) = Field()
- [date](#) = Field()
- [regex_pattern](#) = Field()
- [regex_match](#) = Field()
- [headers](#) = Field()
- [htmlcontent](#) = Field()

9.21.1 Detailed Description

Attributes:

```
url (string): Url of currently scraped page.
job (string): Name of job that is running.
spider (string): Name of scrapy spider.
server (string): Name of server the scrapy is running on.
date (string): Current date and time.
regex_pattern (string): Regex pattern.
regex_match (string): Regex matches.
headers (string): Headers used with current scraped page.
htmlcontent (string): Html of currently scraped page.
```

9.21.2 Member Data Documentation

9.21.2.1 date

```
basicplatform.items.BasicplatformItem.date = Field() [static]
```

9.21.2.2 headers

```
basicplatform.items.BasicplatformItem.headers = Field() [static]
```

9.21.2.3 htmlcontent

```
basicplatform.items.BasicplatformItem.htmlcontent = Field() [static]
```

9.21.2.4 job

```
basicplatform.items.BasicplatformItem.job = Field() [static]
```

9.21.2.5 regex_match

```
basicplatform.items.BasicplatformItem.regex_match = Field() [static]
```

9.21.2.6 regex_pattern

```
basicplatform.items.BasicplatformItem.regex_pattern = Field() [static]
```

9.21.2.7 server

```
basicplatform.items.BasicplatformItem.server = Field() [static]
```

9.21.2.8 spider

```
basicplatform.items.BasicplatformItem.spider = Field() [static]
```

9.21.2.9 url

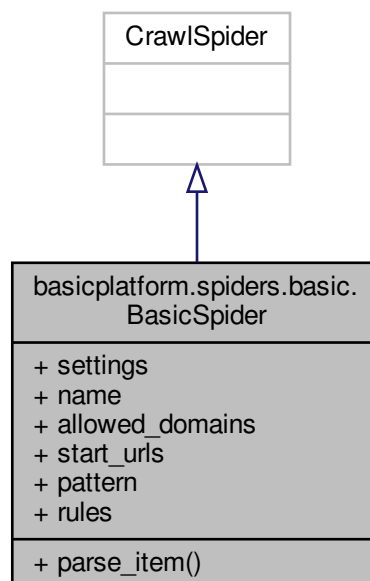
```
basicplatform.items.BasicplatformItem.url = Field() [static]
```

The documentation for this class was generated from the following file:

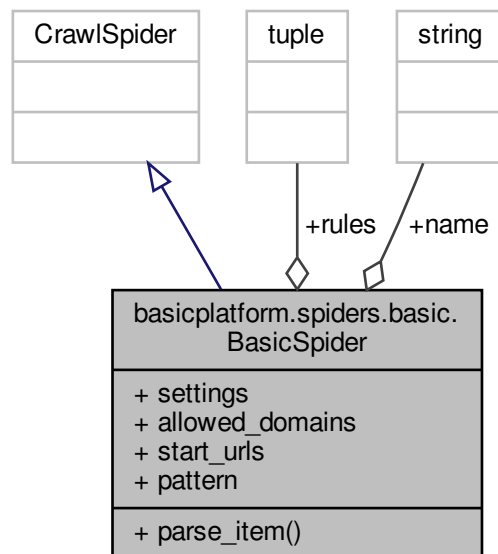
- [scrapit/basicplatform/basicplatform/items.py](#)

9.22 basicplatform.spiders.basic.BasicSpider Class Reference

Inheritance diagram for basicplatform.spiders.basic.BasicSpider:



Collaboration diagram for `basicplatform.spiders.basic.BasicSpider`:



Public Member Functions

- ItemLoader [parse_item](#) (self, Response response)

Static Public Attributes

- [settings](#) = `get_project_settings()`
- string [name](#) = `'basic'`
- [allowed_domains](#) = `settings.getlist('ALLOWED_DOMAINS')`
- [start_urls](#) = `settings.getlist('START_URLS')`
- [pattern](#) = `re.compile(settings.get('PATTERN'), re.IGNORECASE | re.MULTILINE)`
- tuple [rules](#)

9.22.1 Detailed Description

Spider class for scraping/crawling.
 Basic scenario without login or such other mechanisms.
 If regex matches, save the matches.

9.22.2 Member Function Documentation

9.22.2.1 parse_item()

```
ItemLoader basicplatform.spiders.basic.BasicSpider.parse_item (
    self,
    Response response )
```

This function is called as callback to parse each scraped page.

Args:

response: Scraped page.

Returns:

Instance of item loader with all filled fields.

9.22.3 Member Data Documentation

9.22.3.1 allowed_domains

```
basicplatform.spiders.basic.BasicSpider.allowed_domains = settings.getlist('ALLOWED_DOMAINS')
[static]
```

9.22.3.2 name

```
string basicplatform.spiders.basic.BasicSpider.name = 'basic' [static]
```

9.22.3.3 pattern

```
basicplatform.spiders.basic.BasicSpider.pattern = re.compile(settings.get('PATTERN'), re.IGNORECASE | re.MULTILINE) [static]
```

9.22.3.4 rules

```
tuple basicplatform.spiders.basic.BasicSpider.rules [static]
```

Initial value:

```
= (
    Rule(LinkExtractor(), callback='parse_item', follow=True),
)
```

9.22.3.5 settings

```
basicplatform.spiders.basic.BasicSpider.settings = get_project_settings() [static]
```

9.22.3.6 start_urls

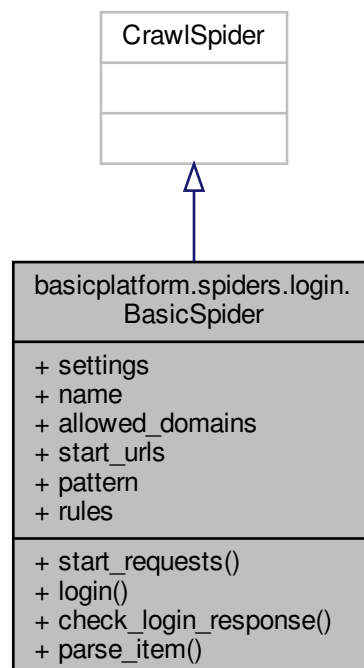
```
basicplatform.spiders.basic.BasicSpider.start_urls = settings.getlist('START_URLS') [static]
```

The documentation for this class was generated from the following file:

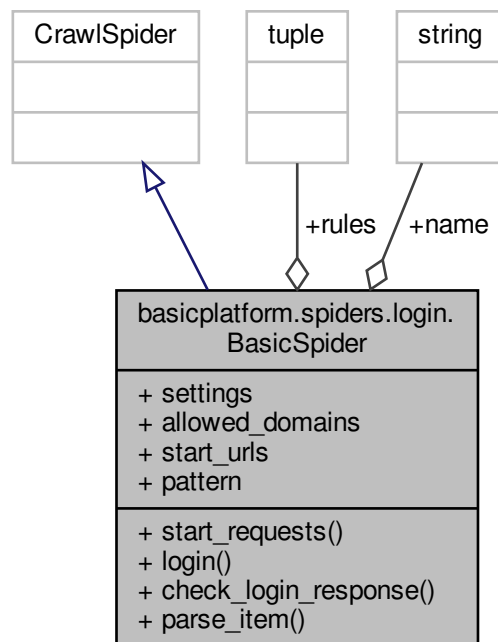
- [scrapit/basicplatform/basicplatform/spiders/basic.py](#)

9.23 basicplatform.spiders.login.BasicSpider Class Reference

Inheritance diagram for basicplatform.spiders.login.BasicSpider:



Collaboration diagram for basicplatform.spiders.login.BasicSpider:



Public Member Functions

- def `start_requests` (self)
- def `login` (self, response)
- def `check_login_response` (self, response)
- ItemLoader `parse_item` (self, Response response)

Static Public Attributes

- `settings` = `get_project_settings()`
- string `name` = `'login'`
- `allowed_domains` = `settings.getlist('ALLOWED_DOMAINS')`
- `start_urls` = `settings.getlist('START_URLS')`
- `pattern` = `re.compile(re.escape(settings.get('PATTERN')), re.IGNORECASE | re.MULTILINE)`
- tuple `rules`

9.23.1 Detailed Description

Spider class for scraping/crawling.
 Spider supports login (servers requiring authentication).
 If regex matches, save the matches.

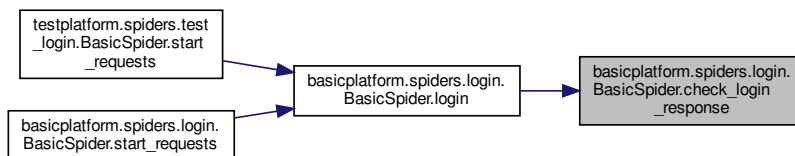
9.23.2 Member Function Documentation

9.23.2.1 check_login_response()

```
def basicplatform.spiders.login.BasicSpider.check_login_response (
    self,
    response )
```

```
:param response:
:return:
```

Here is the caller graph for this function:



9.23.2.2 login()

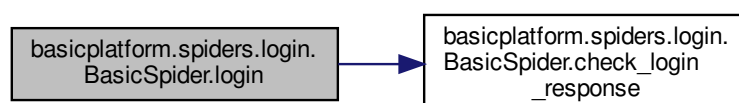
```
def basicplatform.spiders.login.BasicSpider.login (
    self,
    response )
```

Logs in using all necessary form fields with login and password.

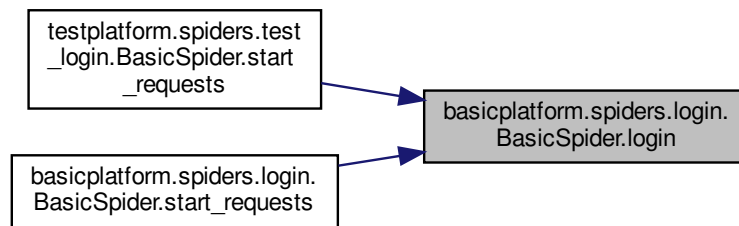
Args:

```
response: Http response from initial request.
```

Here is the call graph for this function:



Here is the caller graph for this function:



9.23.2.3 parse_item()

```

ItemLoader basicplatform.spiders.login.BasicSpider.parse_item (
    self,
    Response response )
  
```

This function is called as callback to parse each scraped page.

Args:

response: Scraped page.

Returns:

Instance of item loader with all filled fields.

9.23.2.4 start_requests()

```

def basicplatform.spiders.login.BasicSpider.start_requests (
    self )
  
```

First http request has to be login request.

Scrapy calls this method before any subsequent request.

Here is the call graph for this function:



9.23.3 Member Data Documentation

9.23.3.1 allowed_domains

```
basicplatform.spiders.login.BasicSpider.allowed_domains = settings.getlist('ALLOWED_DOMAINS')  
[static]
```

9.23.3.2 name

```
string basicplatform.spiders.login.BasicSpider.name = 'login' [static]
```

9.23.3.3 pattern

```
basicplatform.spiders.login.BasicSpider.pattern = re.compile(re.escape(settings.get('PATTERN')) | re.IGNORECASE | re.MULTILINE) [static]
```

9.23.3.4 rules

```
tuple basicplatform.spiders.login.BasicSpider.rules [static]
```

Initial value:

```
= (  
    Rule(LinkExtractor(allow=r"), callback='parse_item', follow=True),  
)
```

9.23.3.5 settings

```
basicplatform.spiders.login.BasicSpider.settings = get_project_settings() [static]
```

9.23.3.6 start_urls

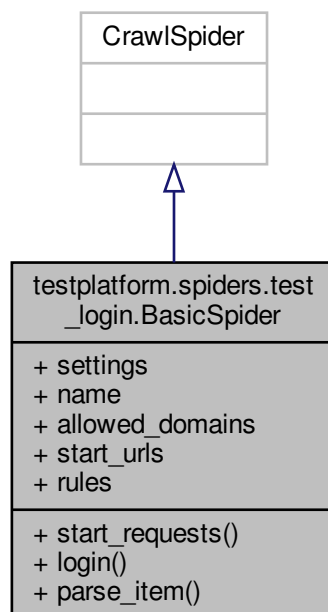
```
basicplatform.spiders.login.BasicSpider.start_urls = settings.getlist('START_URLS') [static]
```

The documentation for this class was generated from the following file:

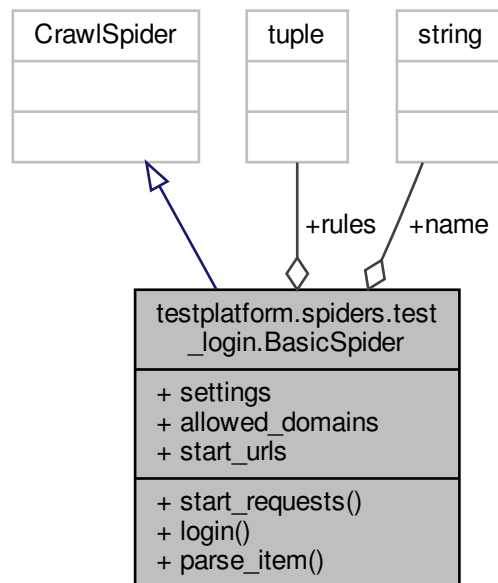
- [scrapit/basicplatform/basicplatform/spiders/login.py](#)

9.24 testplatform.spiders.test_login.BasicSpider Class Reference

Inheritance diagram for testplatform.spiders.test_login.BasicSpider:



Collaboration diagram for `testplatform.spiders.test_login.BasicSpider`:



Public Member Functions

- def `start_requests` (self)
- def `login` (self, response)
- ItemLoader `parse_item` (self, Response response)

Static Public Attributes

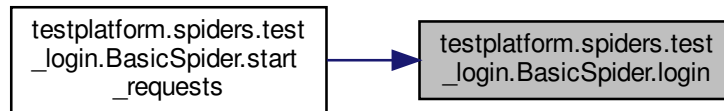
- `settings` = `get_project_settings()`
- string `name` = `'test_login'`
- `allowed_domains` = `settings.getlist('ALLOWED_DOMAINS')`
- `start_urls` = `settings.getlist('START_URLS_LOGIN')`
- tuple `rules`

9.24.1 Member Function Documentation

9.24.1.1 login()

```
def testplatform.spiders.test_login.BasicSpider.login (
    self,
    response )
```

Here is the caller graph for this function:



9.24.1.2 parse_item()

```
ItemLoader testplatform.spiders.test_login.BasicSpider.parse_item (
    self,
    Response response )
```

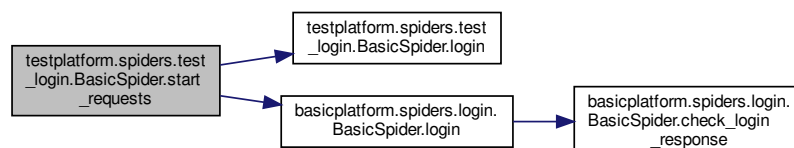
This function parses a property page.

```
@url http://localhost:9312/properties/property_000000.html
@returns items 1
@scrapes title price description address image_urls
@scrapes url project spider server date
```

9.24.1.3 start_requests()

```
def testplatform.spiders.test_login.BasicSpider.start_requests (
    self )
```

Here is the call graph for this function:



9.24.2 Member Data Documentation

9.24.2.1 allowed_domains

```
testplatform.spiders.test_login.BasicSpider.allowed_domains = settings.getlist('ALLOWED_DOMAINS') [static]
```

9.24.2.2 name

```
string testplatform.spiders.test_login.BasicSpider.name = 'test_login' [static]
```

9.24.2.3 rules

```
tuple testplatform.spiders.test_login.BasicSpider.rules [static]
```

Initial value:

```
= (
    Rule(LinkExtractor(), callback='parse_item', follow=True),
)
```

9.24.2.4 settings

```
testplatform.spiders.test_login.BasicSpider.settings = get_project_settings() [static]
```

9.24.2.5 start_urls

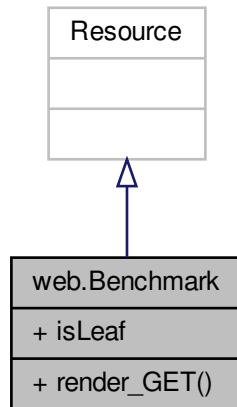
```
testplatform.spiders.test_login.BasicSpider.start_urls = settings.getlist('START_URLS_LOGIN') [static]
```

The documentation for this class was generated from the following file:

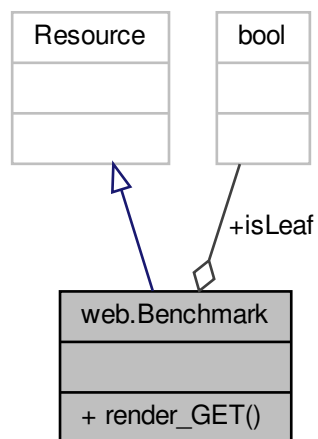
- [scrapit/tests/testplatform/testplatform/spiders/test_login.py](#)

9.25 web.Benchmark Class Reference

Inheritance diagram for web.Benchmark:



Collaboration diagram for web.Benchmark:



Public Member Functions

- def [render_GET](#) (self, request)

Static Public Attributes

- bool `isLeaf` = True

9.25.1 Member Function Documentation

9.25.1.1 `render_GET()`

```
def web.Benchmark.render_GET (
    self,
    request )
```

9.25.2 Member Data Documentation

9.25.2.1 `isLeaf`

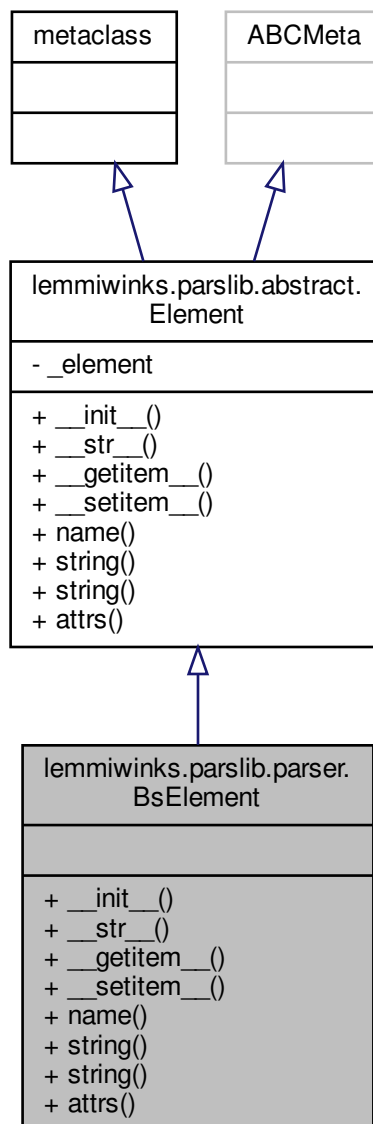
```
bool web.Benchmark.isLeaf = True [static]
```

The documentation for this class was generated from the following file:

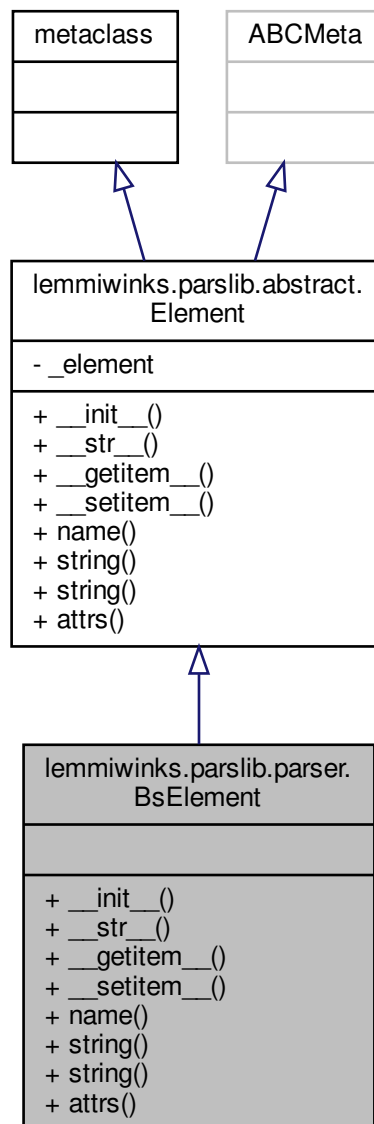
- `scrapit/tests/web/web.py`

9.26 lemmiwinks.parslib.parser.BsElement Class Reference

Inheritance diagram for lemmiwinks.parslib.parser.BsElement:



Collaboration diagram for `lemmiwinks.parslib.parser.BsElement`:



Public Member Functions

- `def __init__(self, element)`
- `def __str__(self)`
- `def __getitem__(self, item)`
- `def __setitem__(self, key, value)`
- `def name(self)`
- `def string(self)`
- `def string(self, string)`
- `def attrs(self)`

9.26.1 Constructor & Destructor Documentation

9.26.1.1 `__init__()`

```
def lemmiwinks.parslib.parser.BsElement.__init__ (
    self,
    element )
```

Reimplemented from [lemmiwinks.parslib.abstract.Element](#).

9.26.2 Member Function Documentation

9.26.2.1 `__getitem__()`

```
def lemmiwinks.parslib.parser.BsElement.__getitem__ (
    self,
    item )
```

Reimplemented from [lemmiwinks.parslib.abstract.Element](#).

9.26.2.2 `__setitem__()`

```
def lemmiwinks.parslib.parser.BsElement.__setitem__ (
    self,
    key,
    value )
```

Reimplemented from [lemmiwinks.parslib.abstract.Element](#).

9.26.2.3 `__str__()`

```
def lemmiwinks.parslib.parser.BsElement.__str__ (
    self )
```

Reimplemented from [lemmiwinks.parslib.abstract.Element](#).

9.26.2.4 `attrs()`

```
def lemmiwinks.parslib.parser.BsElement.attrs (  
    self )
```

Reimplemented from [lemmiwinks.parslib.abstract.Element](#).

9.26.2.5 `name()`

```
def lemmiwinks.parslib.parser.BsElement.name (  
    self )
```

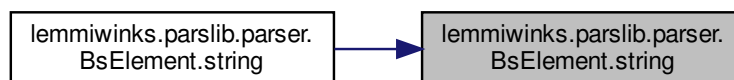
Reimplemented from [lemmiwinks.parslib.abstract.Element](#).

9.26.2.6 `string()` [1/2]

```
def lemmiwinks.parslib.parser.BsElement.string (  
    self )
```

Reimplemented from [lemmiwinks.parslib.abstract.Element](#).

Here is the caller graph for this function:

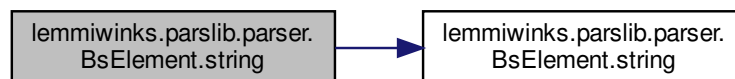


9.26.2.7 string() [2/2]

```
def lemmiwinks.parslib.parser.BsElement.string (
    self,
    string )
```

Reimplemented from [lemmiwinks.parslib.abstract.Element](#).

Here is the call graph for this function:

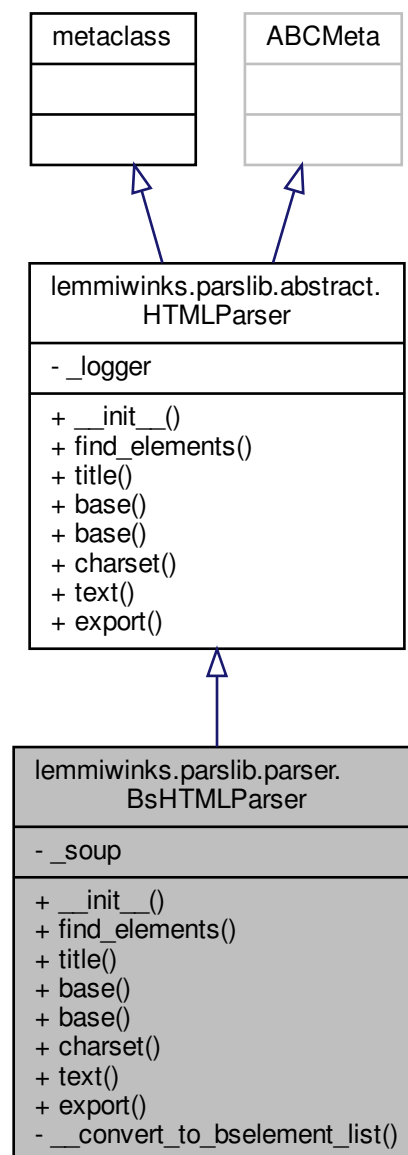


The documentation for this class was generated from the following file:

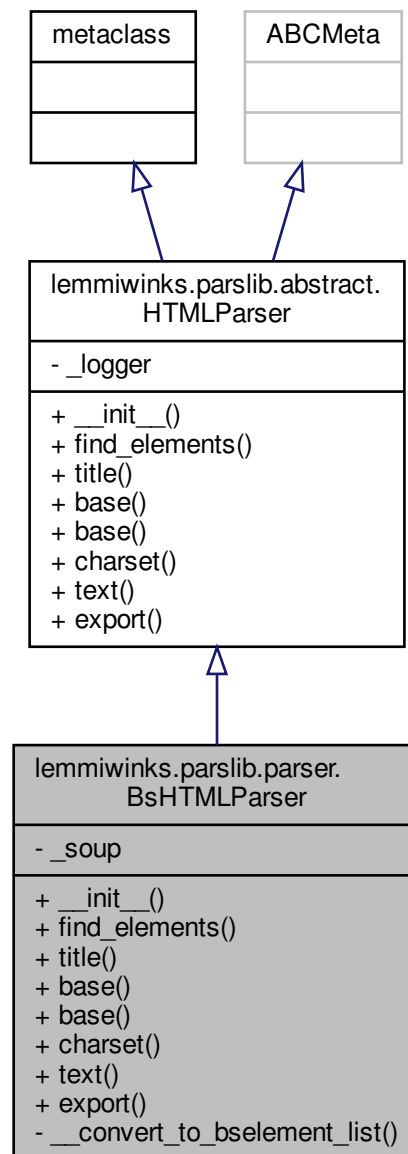
- [lemmit/lemmiwinks/parslib/parser.py](#)

9.27 lemmywinks.parslib.parser.BsHTMLParser Class Reference

Inheritance diagram for lemmywinks.parslib.parser.BsHTMLParser:



Collaboration diagram for lemmywinks.parslib.parser.BsHTMLParser:



Public Member Functions

- def `__init__` (self, parser)
- List[`abstract.Element`] `find_elements` (self, tag, Dict attribute={})
- def `title` (self)
- def `base` (self)
- def `base` (self)
- def `charset` (self)
- def `text` (self)
- def `export` (self)

Static Private Member Functions

- def [__convert_to_bselement_list](#) (elements)

Private Attributes

- [_soup](#)

9.27.1 Constructor & Destructor Documentation

9.27.1.1 [__init__\(\)](#)

```
def lemmiwinks.parslib.parser.BsHTMLParser.__init__ (
    self,
    parser )
```

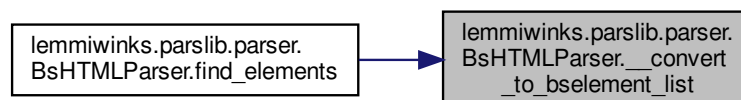
Reimplemented from [lemmiwinks.parslib.abstract.HTMLParser](#).

9.27.2 Member Function Documentation

9.27.2.1 [__convert_to_bselement_list\(\)](#)

```
def lemmiwinks.parslib.parser.BsHTMLParser.__convert_to_bselement_list (
    elements ) [static], [private]
```

Here is the caller graph for this function:

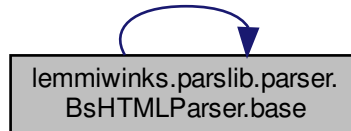


9.27.2.2 base() [1/2]

```
def lemmiwinks.parslib.parser.BsHTMLParser.base (
    self )
```

Reimplemented from [lemmiwinks.parslib.abstract.HTMLParser](#).

Here is the caller graph for this function:

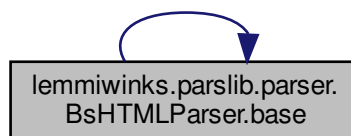


9.27.2.3 base() [2/2]

```
def lemmiwinks.parslib.parser.BsHTMLParser.base (
    self )
```

Reimplemented from [lemmiwinks.parslib.abstract.HTMLParser](#).

Here is the call graph for this function:



9.27.2.4 charset()

```
def lemmiwinks.parslib.parser.BsHTMLParser.charset (
    self )
```

Reimplemented from [lemmiwinks.parslib.abstract.HTMLParser](#).

9.27.2.5 export()

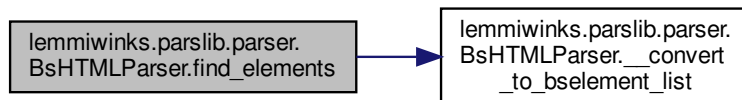
```
def lemmiwinks.parslib.parser.BsHTMLParser.export (
    self )
```

Reimplemented from [lemmiwinks.parslib.abstract.HTMLParser](#).

9.27.2.6 find_elements()

```
List[abstract.Element] lemmiwinks.parslib.parser.BsHTMLParser.find_elements (
    self,
    tag,
    Dict attribute = {} )
```

Here is the call graph for this function:



9.27.2.7 text()

```
def lemmiwinks.parslib.parser.BsHTMLParser.text (
    self )
```

Reimplemented from [lemmiwinks.parslib.abstract.HTMLParser](#).

9.27.2.8 title()

```
def lemmiwinks.parslib.parser.BsHTMLParser.title (
    self )
```

Reimplemented from [lemmiwinks.parslib.abstract.HTMLParser](#).

9.27.3 Member Data Documentation

9.27.3.1 `_soup`

`lemmiwinks.parslib.parser.BsHTMLParser._soup` [private]

The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/parslib/parser.py](#)

9.28 lemmiwinks.httplib.provider.ClientFactory Class Reference

Collaboration diagram for `lemmiwinks.httplib.provider.ClientFactory`:

lemmiwinks.httplib.provider. ClientFactory
- <code>__cls</code> - <code>__kwargs</code>
+ <code>__init__()</code> + <code>client()</code> + <code>singleton_client()</code>

Public Member Functions

- `def __init__(self, cls, **kwargs)`
- `def client(self)`
- `def singleton_client(self)`

Private Attributes

- `__cls`
- `__kwargs`

9.28.1 Constructor & Destructor Documentation

9.28.1.1 `__init__()`

```
def lemmiwinks.httplib.provider.ClientFactory.__init__(
    self,
    cls,
    **kwargs )
```


9.28.2 Member Function Documentation

9.28.2.1 client()

```
def lemmiwinks.httplib.provider.ClientFactory.client (
    self )
```

9.28.2.2 singleton_client()

```
def lemmiwinks.httplib.provider.ClientFactory.singleton_client (
    self )
```

9.28.3 Member Data Documentation

9.28.3.1 __cls

```
lemmiwinks.httplib.provider.ClientFactory.__cls [private]
```

9.28.3.2 __kwargs

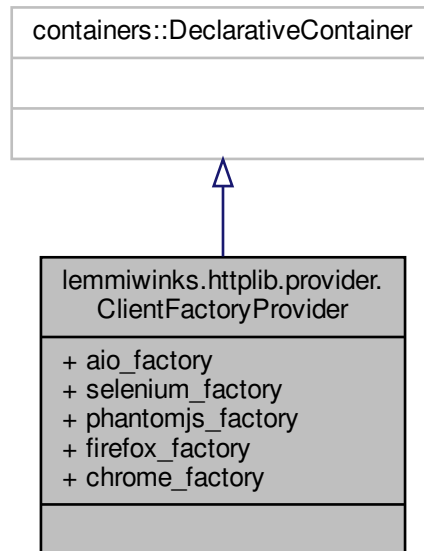
```
lemmiwinks.httplib.provider.ClientFactory.__kwargs [private]
```

The documentation for this class was generated from the following file:

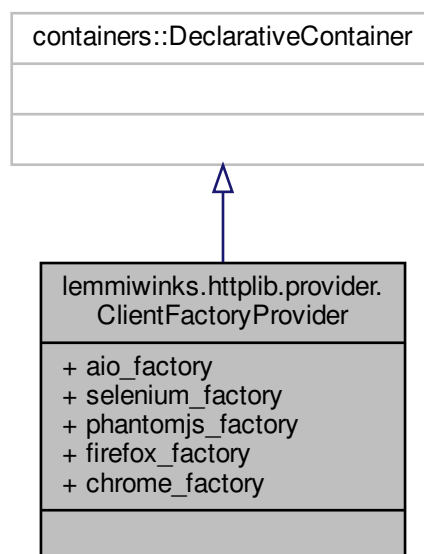
- [lemmit/lemmiwinks/httplib/provider.py](#)

9.29 lemmywinks.httplib.provider.ClientFactoryProvider Class Reference

Inheritance diagram for lemmywinks.httplib.provider.ClientFactoryProvider:



Collaboration diagram for lemmywinks.httplib.provider.ClientFactoryProvider:



Static Public Attributes

- [aio_factory](#) = `ClientFactory(client.AIOClient)`
- [selenium_factory](#) = `ClientFactory(client.SeleniumClient)`
- [phantomjs_factory](#)
- [firefox_factory](#)
- [chrome_factory](#)

9.29.1 Member Data Documentation

9.29.1.1 aio_factory

```
lemmiwinks.httplib.provider.ClientFactoryProvider.aio_factory = ClientFactory(client.AIOClient)
[static]
```

9.29.1.2 chrome_factory

```
lemmiwinks.httplib.provider.ClientFactoryProvider.chrome_factory [static]
```

Initial value:

```
= ClientFactory(client.SeleniumClient,
                 browser_info=DesiredCapabilities.CHROME)
```

9.29.1.3 firefox_factory

```
lemmiwinks.httplib.provider.ClientFactoryProvider.firefox_factory [static]
```

Initial value:

```
= ClientFactory(client.SeleniumClient,
                 browser_info=DesiredCapabilities.FIREFOX)
```

9.29.1.4 phantomjs_factory

```
lemmiwinks.httplib.provider.ClientFactoryProvider.phantomjs_factory [static]
```

Initial value:

```
= ClientFactory(client.SeleniumClient,
                 browser_info=DesiredCapabilities.PHANTOMJS)
```

9.29.1.5 selenium_factory

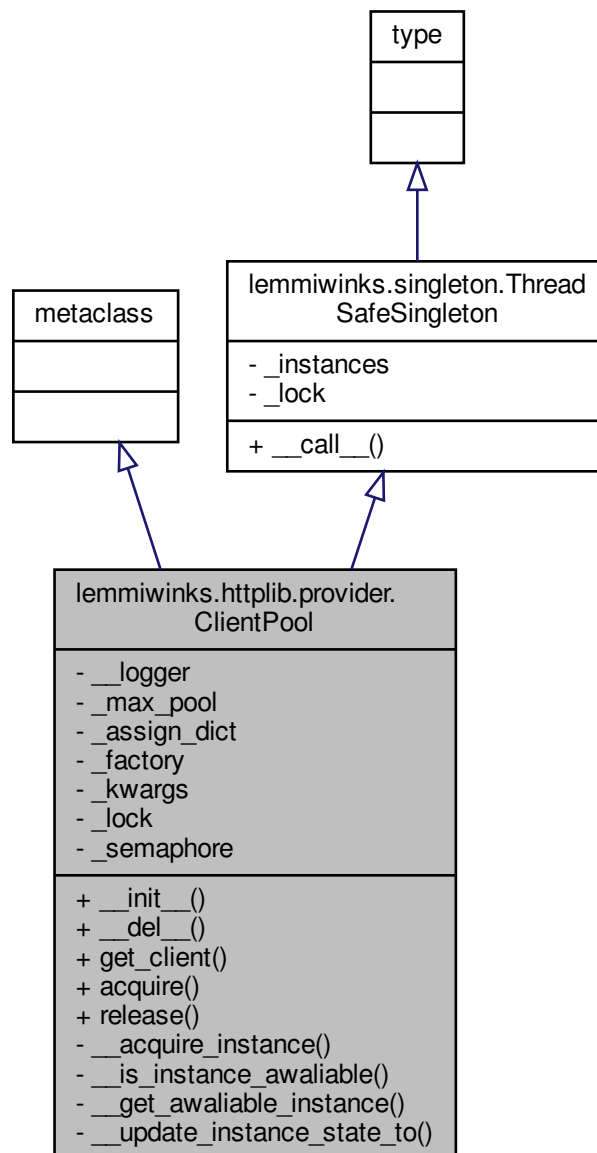
```
lemmywinks.httplib.provider.ClientFactoryProvider.selenium_factory = ClientFactory(client.SeleniumClient)
[static]
```

The documentation for this class was generated from the following file:

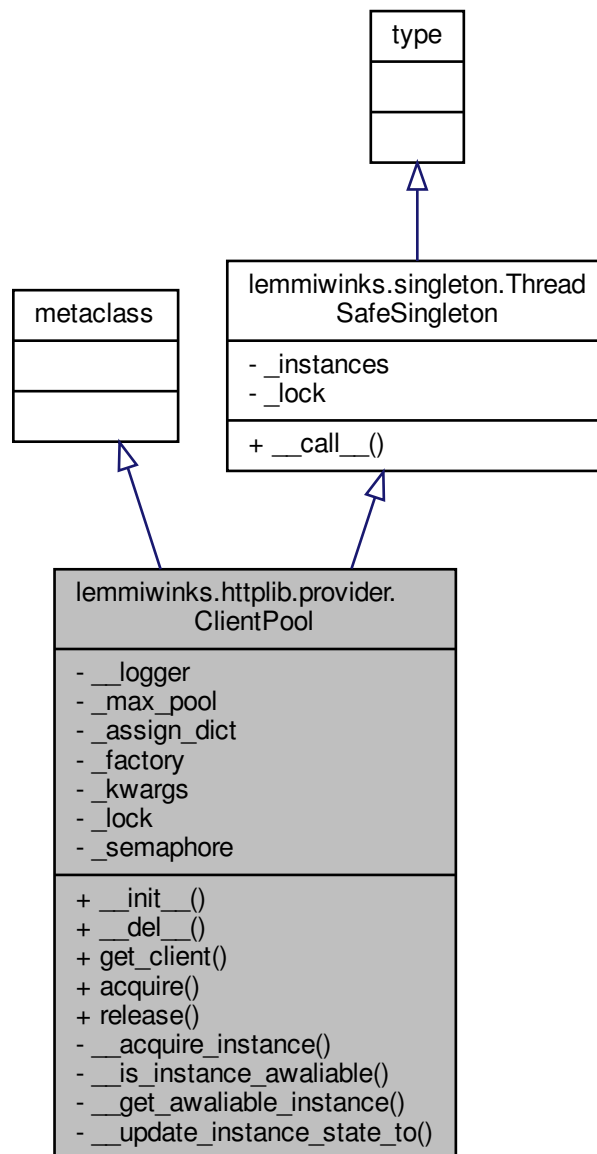
- [lemmit/lemmywinks/httplib/provider.py](#)

9.30 lemmywinks.httplib.provider.ClientPool Class Reference

Inheritance diagram for lemmywinks.httplib.provider.ClientPool:



Collaboration diagram for `lemmiwinks.httplib.provider.ClientPool`:



Public Member Functions

- `def __init__(self, factory, max_pool=10, **kwargs)`
- `def __del__(self)`
- `def get_client(self)`
- `def acquire(self)`
- `def release(self, instance)`

Private Member Functions

- def `__acquire_instance` (self)
- def `__is_instance_awailable` (self)
- def `__get_awailable_instance` (self)
- def `__update_instance_state_to` (self, instance, `InstanceStatus` state)

Private Attributes

- `__logger`
- `_max_pool`
- `_assign_dict`
- `_factory`
- `_kwargs`
- `_lock`
- `_semaphore`

9.30.1 Constructor & Destructor Documentation

9.30.1.1 `__init__()`

```
def lemmiwinks.httplib.provider.ClientPool.__init__ (
    self,
    factory,
    max_pool = 10,
    ** kwargs )
```

9.30.1.2 `__del__()`

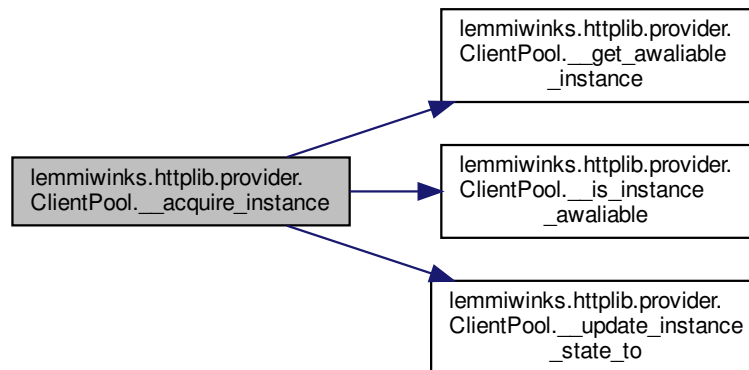
```
def lemmiwinks.httplib.provider.ClientPool.__del__ (
    self )
```

9.30.2 Member Function Documentation

9.30.2.1 `__acquire_instance()`

```
def lemmiwinks.httplib.provider.ClientPool.__acquire_instance (
    self ) [private]
```

Here is the call graph for this function:



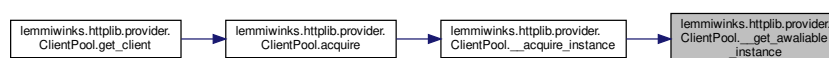
Here is the caller graph for this function:



9.30.2.2 `__get_awailable_instance()`

```
def lemmiwinks.httplib.provider.ClientPool.__get_awailable_instance (
    self ) [private]
```

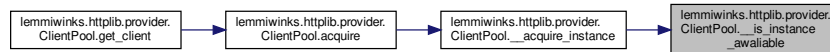
Here is the caller graph for this function:



9.30.2.3 `__is_instance_avaliable()`

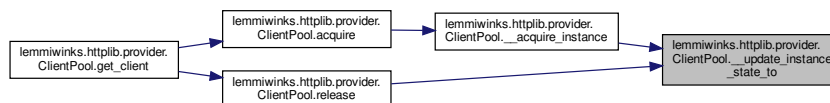
```
def lemmiwinks.httplib.provider.ClientPool.__is_instance_avaliable (
    self ) [private]
```

Here is the caller graph for this function:

9.30.2.4 `__update_instance_state_to()`

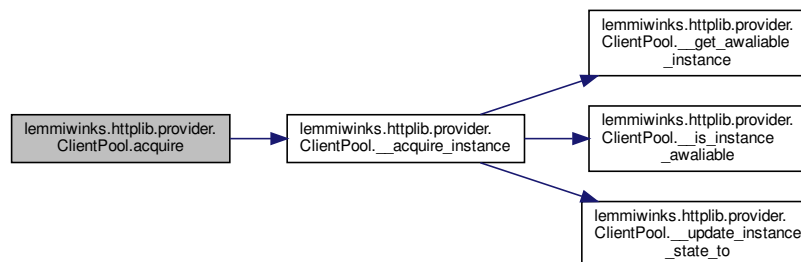
```
def lemmiwinks.httplib.provider.ClientPool.__update_instance_state_to (
    self,
    instance,
    InstanceStatus state ) [private]
```

Here is the caller graph for this function:

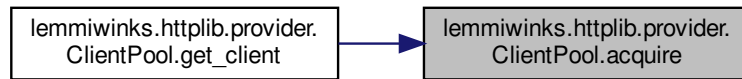
9.30.2.5 `acquire()`

```
def lemmiwinks.httplib.provider.ClientPool.acquire (
    self )
```

Here is the call graph for this function:



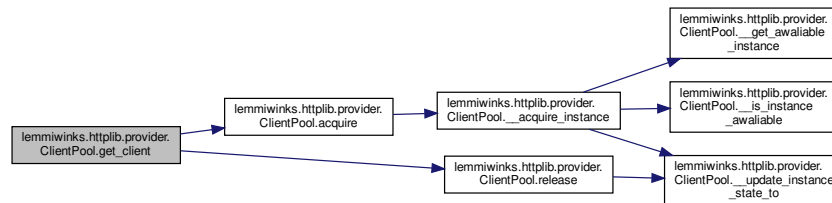
Here is the caller graph for this function:



9.30.2.6 get_client()

```
def lemmiwinks.httplib.provider.ClientPool.get_client (
    self )
```

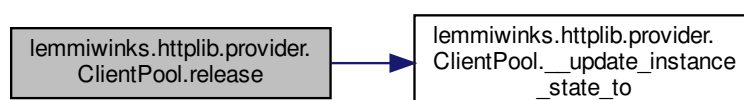
Here is the call graph for this function:



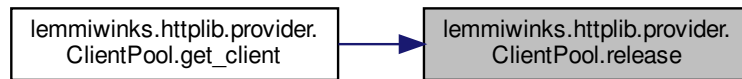
9.30.2.7 release()

```
def lemmiwinks.httplib.provider.ClientPool.release (
    self,
    instance )
```

Here is the call graph for this function:



Here is the caller graph for this function:



9.30.3 Member Data Documentation

9.30.3.1 __logger

lemmiwinks.httplib.provider.ClientPool.__logger [private]

9.30.3.2 __assign_dict

lemmiwinks.httplib.provider.ClientPool.__assign_dict [private]

9.30.3.3 _factory

lemmiwinks.httplib.provider.ClientPool._factory [private]

9.30.3.4 _kwargs

lemmiwinks.httplib.provider.ClientPool._kwargs [private]

9.30.3.5 _lock

lemmiwinks.httplib.provider.ClientPool._lock [private]

9.30.3.6 `_max_pool`

`lemmiwinks.httplib.provider.ClientPool._max_pool` [private]

9.30.3.7 `_semaphore`

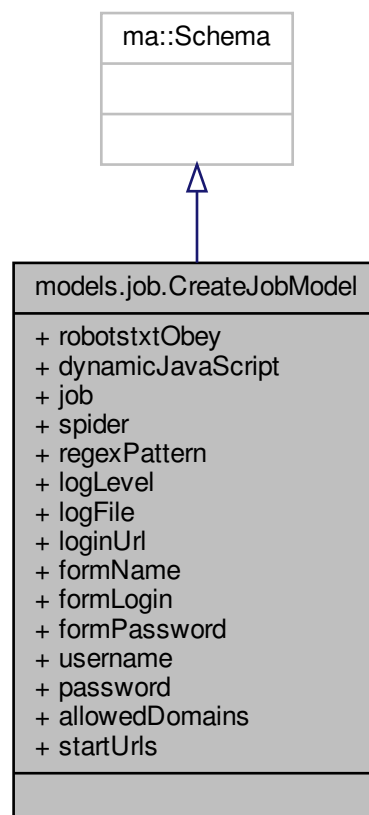
`lemmiwinks.httplib.provider.ClientPool._semaphore` [private]

The documentation for this class was generated from the following file:

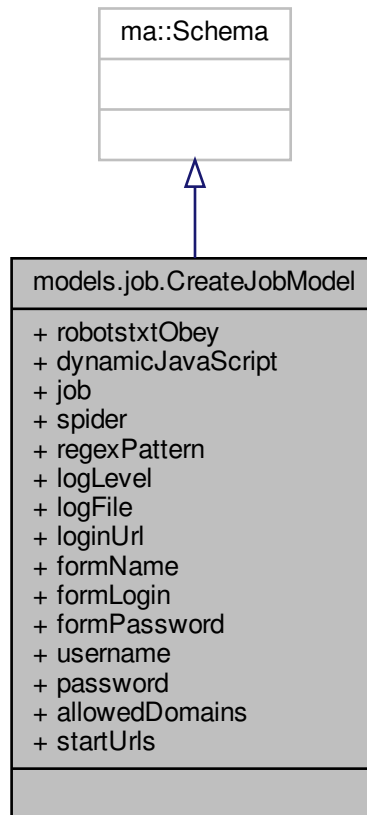
- [lemmit/lemmiwinks/httplib/provider.py](https://github.com/lemmit/lemmiwinks/httplib/provider.py)

9.31 `models.job.CreateJobModel` Class Reference

Inheritance diagram for `models.job.CreateJobModel`:



Collaboration diagram for models.job.CreateJobModel:



Static Public Attributes

- `robotstxtObey` = `fields.Bool(required=True)`
- `dynamicJavaScript` = `fields.Bool(required=True)`
- `job` = `fields.Str(required=True)`
- `spider` = `fields.Str(required=True)`
- `regexPattern` = `fields.Str(required=True)`
- `logLevel` = `fields.Str(required=True)`
- `logFile` = `fields.Str(required=True)`
- `loginUrl` = `fields.Str(required=False)`
- `formName` = `fields.Str(required=False)`
- `formLogin` = `fields.Str(required=False)`
- `formPassword` = `fields.Str(required=False)`
- `username` = `fields.Str(required=False)`
- `password` = `fields.Str(required=False)`
- `allowedDomains` = `fields.List(fields.Str, required=True)`
- `startUrls` = `fields.List(fields.Str, required=True)`

9.31.1 Detailed Description

Model for converting incoming JSON to Python dict and check correctness.

TODO: username and password pass by parameter on cmd

9.31.2 Member Data Documentation

9.31.2.1 allowedDomains

```
models.job.CreateJobModel.allowedDomains = fields.List(fields.Str, required=True) [static]
```

9.31.2.2 dynamicJavaScript

```
models.job.CreateJobModel.dynamicJavaScript = fields.Bool(required=True) [static]
```

9.31.2.3 formLogin

```
models.job.CreateJobModel.formLogin = fields.Str(required=False) [static]
```

9.31.2.4 formName

```
models.job.CreateJobModel.formName = fields.Str(required=False) [static]
```

9.31.2.5 formPassword

```
models.job.CreateJobModel.formPassword = fields.Str(required=False) [static]
```

9.31.2.6 job

```
models.job.CreateJobModel.job = fields.Str(required=True) [static]
```

9.31.2.7 logFile

```
models.job.CreateJobModel.logFile = fields.Str(required=True) [static]
```

9.31.2.8 loginUrl

```
models.job.CreateJobModel.loginUrl = fields.Str(required=False) [static]
```

9.31.2.9 logLevel

```
models.job.CreateJobModel.logLevel = fields.Str(required=True) [static]
```

9.31.2.10 password

```
models.job.CreateJobModel.password = fields.Str(required=False) [static]
```

9.31.2.11 regexPattern

```
models.job.CreateJobModel.regexPattern = fields.Str(required=True) [static]
```

9.31.2.12 robotstxtObey

```
models.job.CreateJobModel.robotstxtObey = fields.Bool(required=True) [static]
```

9.31.2.13 spider

```
models.job.CreateJobModel.spider = fields.Str(required=True) [static]
```

9.31.2.14 startUrls

```
models.job.CreateJobModel.startUrls = fields.List(fields.Str, required=True) [static]
```

9.31.2.15 username

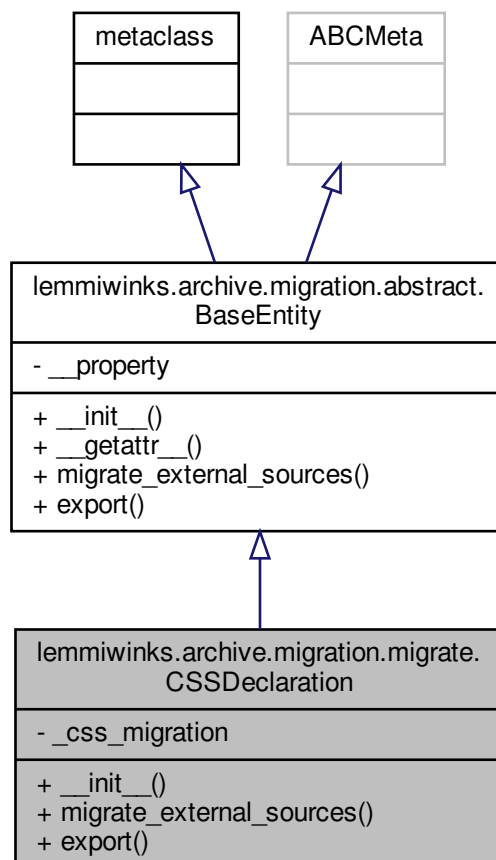
```
models.job.CreateJobModel.username = fields.Str(required=False) [static]
```

The documentation for this class was generated from the following file:

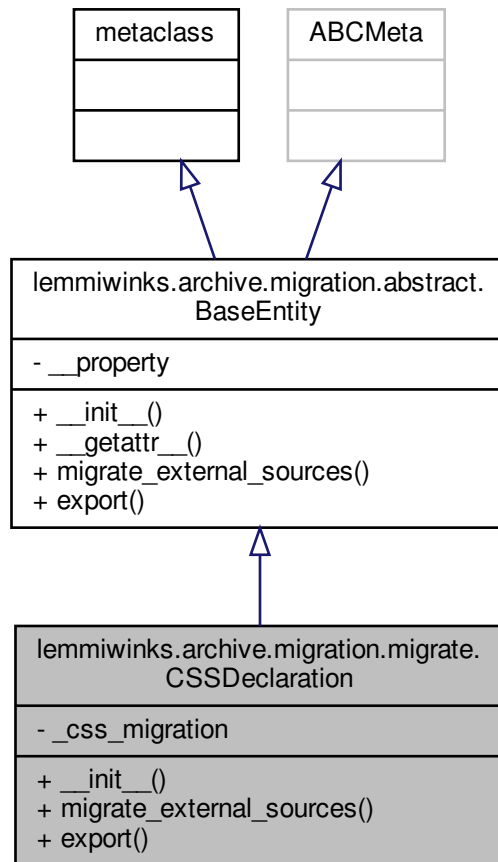
- [scrapit/api/models/job.py](#)

9.32 lemmywinks.archive.migration.migrate.CSSDeclaration Class Reference

Inheritance diagram for lemmywinks.archive.migration.migrate.CSSDeclaration:



Collaboration diagram for lemmiwinks.archive.migration.migrate.CSSDeclaration:



Public Member Functions

- def `__init__`(self, data, url, declaration_location, resource_location, settings, recursion_limit=3)
- def `migrate_external_sources`(self)
- def `export`(self)

Private Attributes

- `_css_migration`

9.32.1 Constructor & Destructor Documentation

9.32.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.CSSDeclaration.__init__ (
    self,
    data,
    url,
    declaration_location,
    resource_location,
    settings,
    recursion_limit = 3 )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.BaseEntity](#).

9.32.2 Member Function Documentation

9.32.2.1 `export()`

```
def lemmiwinks.archive.migration.migrate.CSSDeclaration.export (
    self )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.BaseEntity](#).

Here is the call graph for this function:



9.32.2.2 `migrate_external_sources()`

```
def lemmiwinks.archive.migration.migrate.CSSDeclaration.migrate_external_sources (
    self )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.BaseEntity](#).

9.32.3 Member Data Documentation

9.32.3.1 `_css_migration`

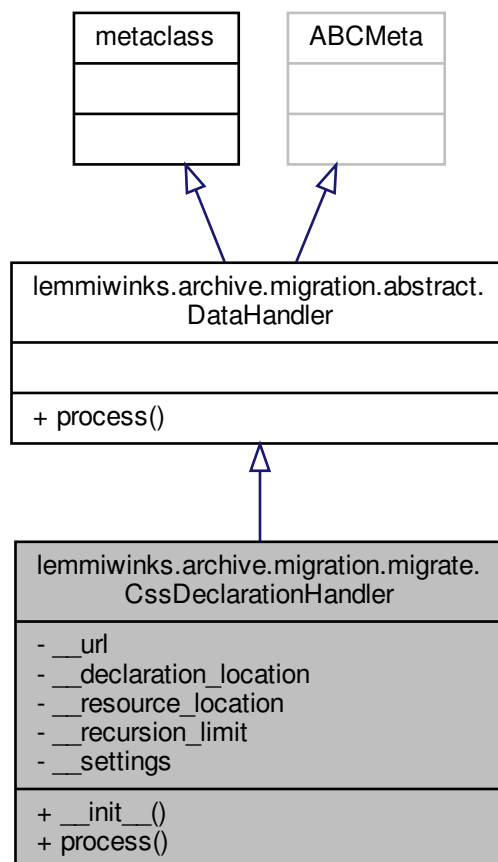
`lemmiwinks.archive.migration.migrate.CSSDeclaration._css_migration` [private]

The documentation for this class was generated from the following file:

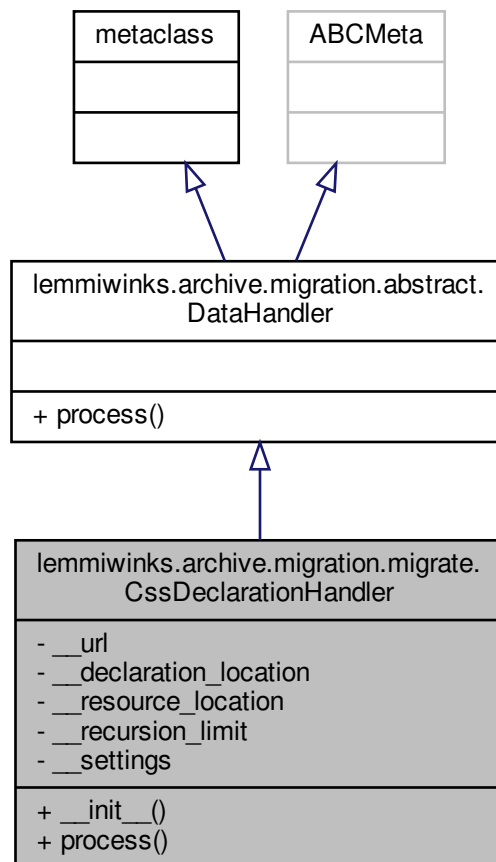
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.33 lemmiwinks.archive.migration.migrate.CssDeclarationHandler Class Reference

Inheritance diagram for `lemmiwinks.archive.migration.migrate.CssDeclarationHandler`:



Collaboration diagram for `lemmiwinks.archive.migration.migrate.CssDeclarationHandler`:



Public Member Functions

- `def __init__(self, entity_property, settings)`
- `def process(self, data)`

Private Attributes

- `__url`
- `__declaration_location`
- `__resource_location`
- `__recursion_limit`
- `__settings`

9.33.1 Constructor & Destructor Documentation

9.33.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.CssDeclarationHandler.__init__ (
    self,
    entity_property,
    settings )
```

9.33.2 Member Function Documentation

9.33.2.1 `process()`

```
def lemmiwinks.archive.migration.migrate.CssDeclarationHandler.process (
    self,
    data )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.DataHandler](#).

9.33.3 Member Data Documentation

9.33.3.1 `__declaration_location`

```
lemmiwinks.archive.migration.migrate.CssDeclarationHandler.__declaration_location [private]
```

9.33.3.2 `__recursion_limit`

```
lemmiwinks.archive.migration.migrate.CssDeclarationHandler.__recursion_limit [private]
```

9.33.3.3 `__resource_location`

```
lemmiwinks.archive.migration.migrate.CssDeclarationHandler.__resource_location [private]
```

9.33.3.4 `__settings`

```
lemmiwinks.archive.migration.migrate.CssDeclarationHandler.__settings [private]
```

9.33.3.5 `__url`

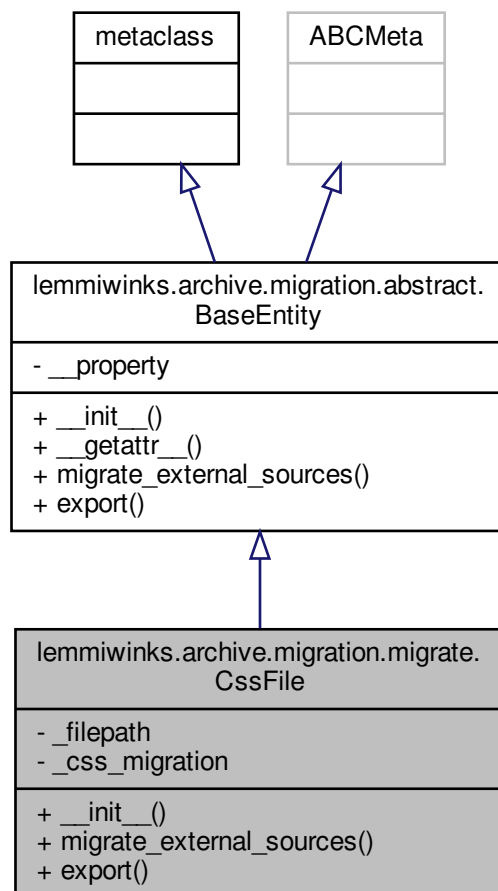
`lemmiwinks.archive.migration.migrate.CssDeclarationHandler.__url` [private]

The documentation for this class was generated from the following file:

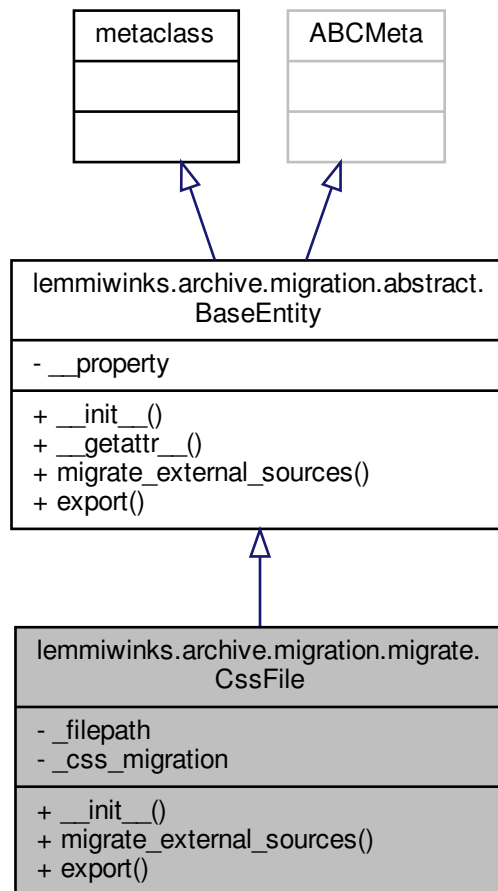
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.34 `lemmiwinks.archive.migration.migrate.CssFile` Class Reference

Inheritance diagram for `lemmiwinks.archive.migration.migrate.CssFile`:



Collaboration diagram for lemmiwinks.archive.migration.migrate.CssFile:



Public Member Functions

- def `__init__` (self, response, filepath, settings, recursion_limit=3)
- def `migrate_external_sources` (self)
- def `export` (self)

Private Attributes

- `_filepath`
- `_css_migration`

9.34.1 Constructor & Destructor Documentation

9.34.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.CssFile.__init__ (
    self,
    response,
    filepath,
    settings,
    recursion_limit = 3 )
```

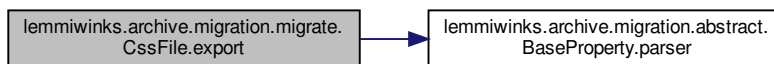
9.34.2 Member Function Documentation

9.34.2.1 `export()`

```
def lemmiwinks.archive.migration.migrate.CssFile.export (
    self )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.BaseEntity](#).

Here is the call graph for this function:



9.34.2.2 `migrate_external_sources()`

```
def lemmiwinks.archive.migration.migrate.CssFile.migrate_external_sources (
    self )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.BaseEntity](#).

9.34.3 Member Data Documentation

9.34.3.1 `_css_migration`

```
lemmiwinks.archive.migration.migrate.CssFile._css_migration [private]
```

9.34.3.2 `_filepath`

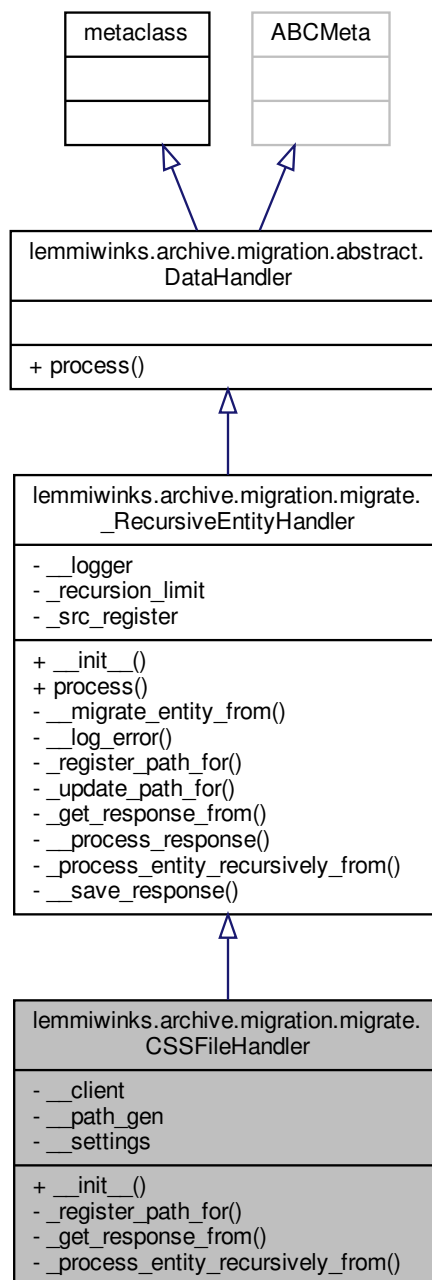
`lemmywinks.archive.migration.migrate.CssFile._filepath` [private]

The documentation for this class was generated from the following file:

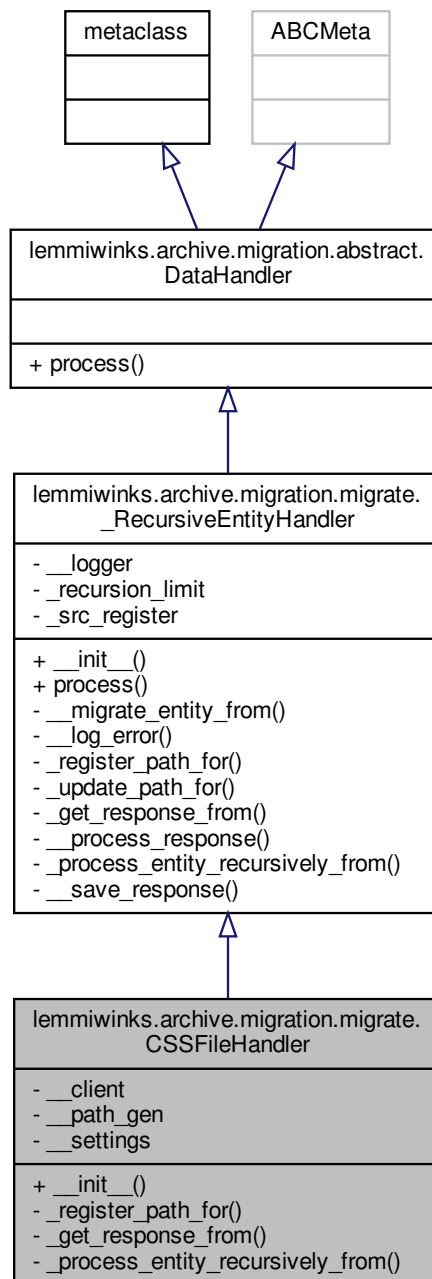
- [lemmy/lemmywinks/archive/migration/migrate.py](#)

9.35 lemmywinks.archive.migration.migrate.CSSFileHandler Class Reference

Inheritance diagram for lemmywinks.archive.migration.migrate.CSSFileHandler:



Collaboration diagram for lemmiwinks.archive.migration.migrate.CSSFileHandler:



Public Member Functions

- `def __init__` (self, entity_property, settings)

Private Member Functions

- `def _register_path_for` (self, url)

- `def _get_response_from` (self, url)
- `def _process_entity_recursively_from` (self, response)

Private Attributes

- `__client`
- `__path_gen`
- `__settings`

9.35.1 Constructor & Destructor Documentation

9.35.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.CSSFileHandler.__init__ (
    self,
    entity_property,
    settings )
```

9.35.2 Member Function Documentation

9.35.2.1 `_get_response_from()`

```
def lemmiwinks.archive.migration.migrate.CSSFileHandler._get_response_from (
    self,
    url ) [private]
```

Reimplemented from [lemmiwinks.archive.migration.migrate._RecursiveEntityHandler](#).

9.35.2.2 `_process_entity_recursively_from()`

```
def lemmiwinks.archive.migration.migrate.CSSFileHandler._process_entity_recursively_from (
    self,
    response ) [private]
```

Reimplemented from [lemmiwinks.archive.migration.migrate._RecursiveEntityHandler](#).

9.35.2.3 `_register_path_for()`

```
def lemmiwinks.archive.migration.migrate.CSSFileHandler._register_path_for (
    self,
    url ) [private]
```

Reimplemented from [lemmiwinks.archive.migration.migrate._RecursiveEntityHandler](#).

9.35.3 Member Data Documentation

9.35.3.1 `__client`

```
lemmiwinks.archive.migration.migrate.CSSFileHandler.__client [private]
```

9.35.3.2 `__path_gen`

```
lemmiwinks.archive.migration.migrate.CSSFileHandler.__path_gen [private]
```

9.35.3.3 `__settings`

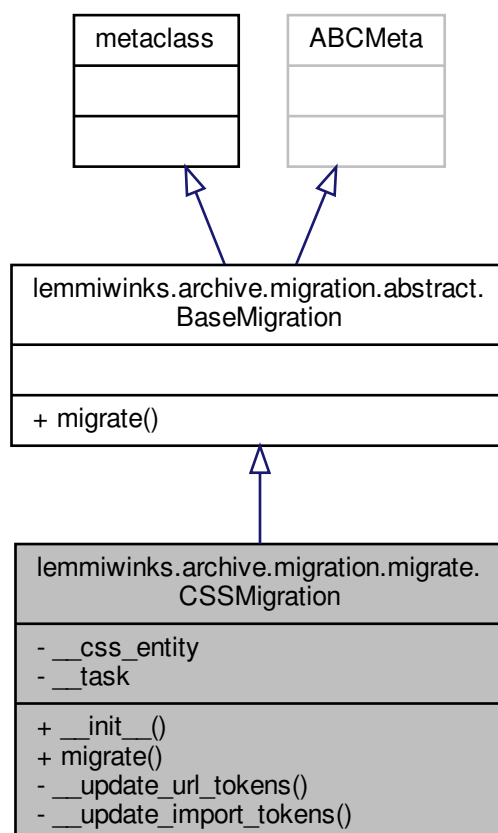
```
lemmiwinks.archive.migration.migrate.CSSFileHandler.__settings [private]
```

The documentation for this class was generated from the following file:

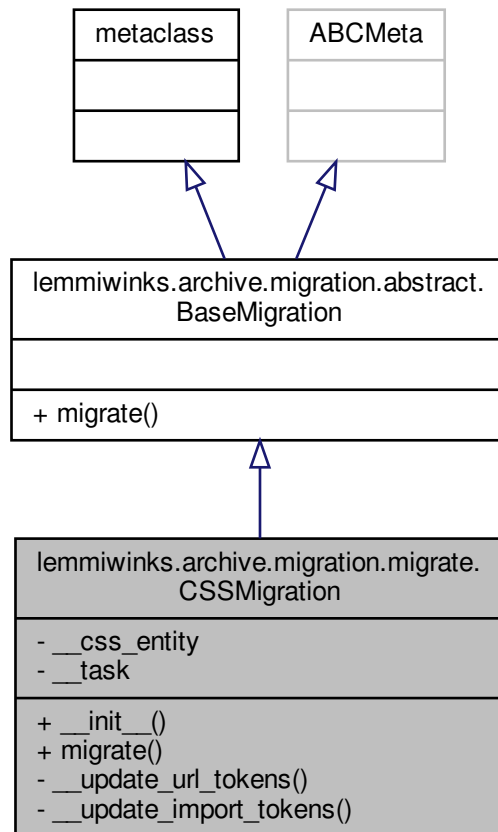
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.36 lemmywinks.archive.migration.migrate.CSSMigration Class Reference

Inheritance diagram for lemmywinks.archive.migration.migrate.CSSMigration:



Collaboration diagram for lemmiwinks.archive.migration.migrate.CSSMigration:



Public Member Functions

- def `__init__` (self, `css_entity`, `abstract.MigrationSettings` settings)
- def `migrate` (self)

Private Member Functions

- def `__update_url_tokens` (self)
- def `__update_import_tokens` (self)

Private Attributes

- `__css_entity`
- `__task`

9.36.1 Constructor & Destructor Documentation

9.36.1.1 `__init__()`

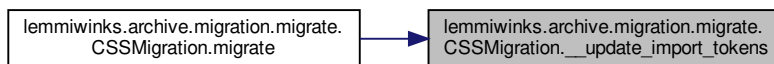
```
def lemmiwinks.archive.migration.migrate.CSSMigration.__init__ (
    self,
    css_entity,
    abstract.MigrationSettings settings )
```

9.36.2 Member Function Documentation

9.36.2.1 `__update_import_tokens()`

```
def lemmiwinks.archive.migration.migrate.CSSMigration.__update_import_tokens (
    self ) [private]
```

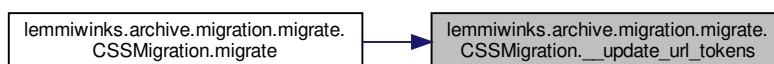
Here is the caller graph for this function:



9.36.2.2 `__update_url_tokens()`

```
def lemmiwinks.archive.migration.migrate.CSSMigration.__update_url_tokens (
    self ) [private]
```

Here is the caller graph for this function:

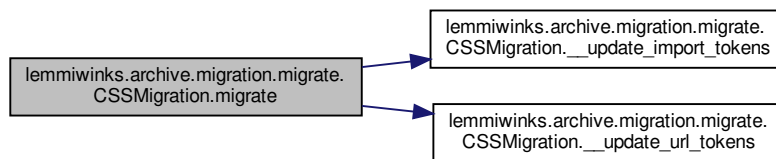


9.36.2.3 migrate()

```
def lemmiwinks.archive.migration.migrate.CSSMigration.migrate (
    self )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.BaseMigration](#).

Here is the call graph for this function:



9.36.3 Member Data Documentation

9.36.3.1 __css_entity

```
lemmiwinks.archive.migration.migrate.CSSMigration.__css_entity [private]
```

9.36.3.2 __task

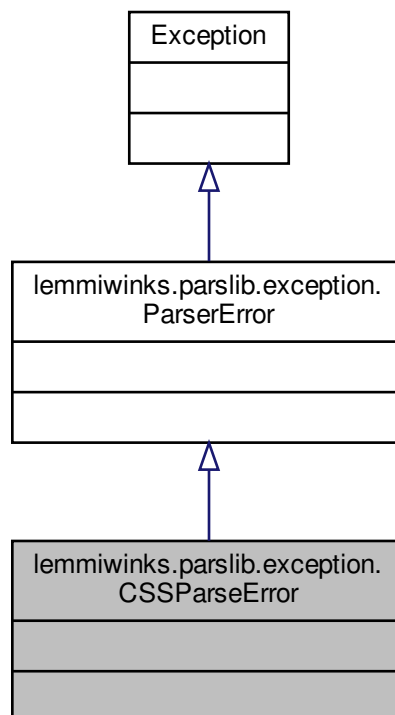
```
lemmiwinks.archive.migration.migrate.CSSMigration.__task [private]
```

The documentation for this class was generated from the following file:

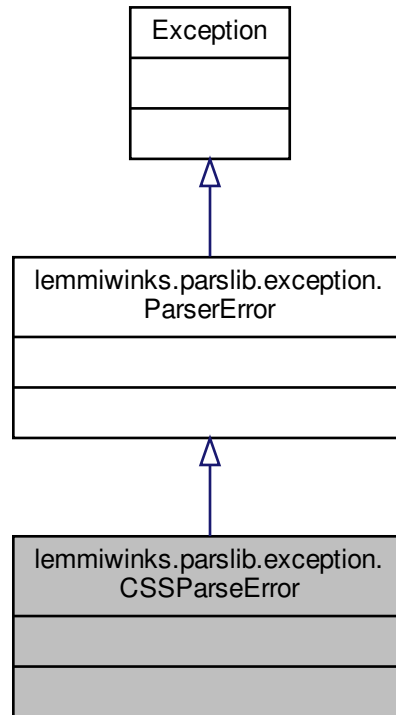
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.37 lemmywinks.parslib.exception.CSSParseError Class Reference

Inheritance diagram for lemmywinks.parslib.exception.CSSParseError:



Collaboration diagram for lemmiwinks.parslib.exception.CSSParseError:

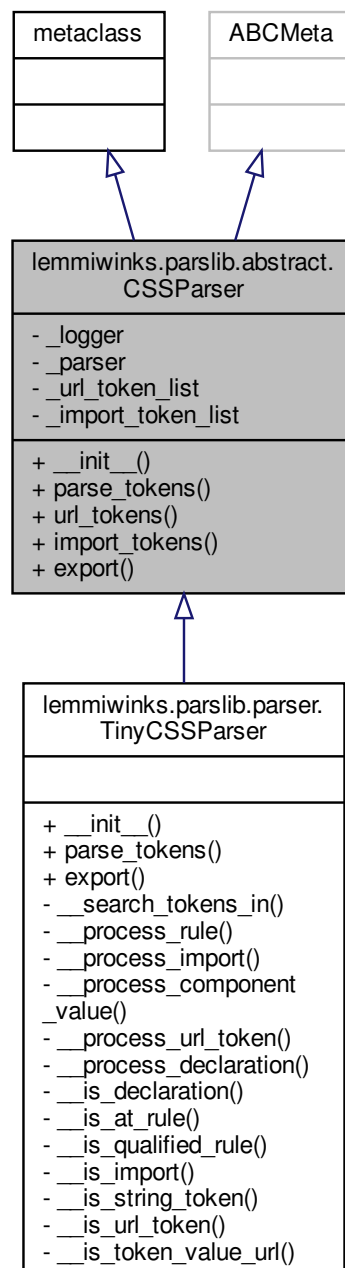


The documentation for this class was generated from the following file:

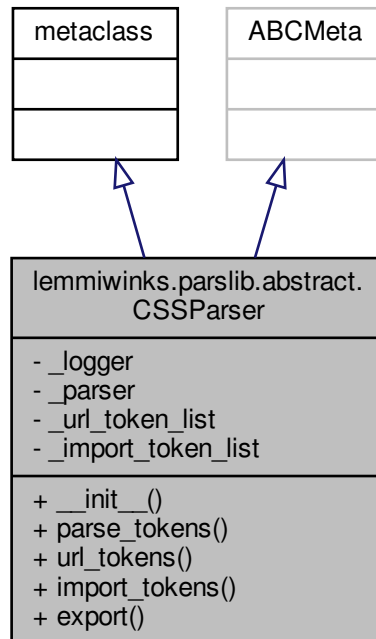
- [lemmit/lemmiwinks/parslib/exception.py](#)

9.38 lemmywinks.parslib.abstract.CSSParser Class Reference

Inheritance diagram for lemmywinks.parslib.abstract.CSSParser:



Collaboration diagram for lemmiwinks.parslib.abstract.CSSParser:



Public Member Functions

- `def __init__(self, parser, logger_name)`
- `def parse_tokens(self)`
- `def url_tokens(self)`
- `def import_tokens(self)`
- `def export(self)`

Private Attributes

- `_logger`
- `_parser`
- `_url_token_list`
- `_import_token_list`

9.38.1 Constructor & Destructor Documentation

9.38.1.1 `__init__()`

```
def lemmiwinks.parslib.abstract.CSSParser.__init__ (
    self,
    parser,
    logger_name )
```

9.38.2 Member Function Documentation

9.38.2.1 `export()`

```
def lemmiwinks.parslib.abstract.CSSParser.export (
    self )
```

Reimplemented in [lemmiwinks.parslib.parser.TinyCSSParser](#).

9.38.2.2 `import_tokens()`

```
def lemmiwinks.parslib.abstract.CSSParser.import_tokens (
    self )
```

9.38.2.3 `parse_tokens()`

```
def lemmiwinks.parslib.abstract.CSSParser.parse_tokens (
    self )
```

Reimplemented in [lemmiwinks.parslib.parser.TinyCSSParser](#).

9.38.2.4 `url_tokens()`

```
def lemmiwinks.parslib.abstract.CSSParser.url_tokens (
    self )
```

9.38.3 Member Data Documentation

9.38.3.1 `_import_token_list`

`lemmywinks.parslib.abstract.CSSParser._import_token_list` [private]

9.38.3.2 `_logger`

`lemmywinks.parslib.abstract.CSSParser._logger` [private]

9.38.3.3 `_parser`

`lemmywinks.parslib.abstract.CSSParser._parser` [private]

9.38.3.4 `_url_token_list`

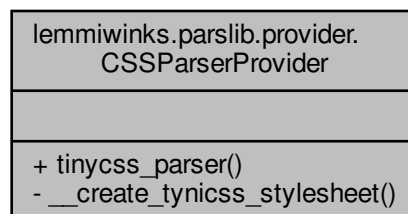
`lemmywinks.parslib.abstract.CSSParser._url_token_list` [private]

The documentation for this class was generated from the following file:

- [lemmit/lemmywinks/parslib/abstract.py](#)

9.39 lemmywinks.parslib.provider.CSSParserProvider Class Reference

Collaboration diagram for `lemmywinks.parslib.provider.CSSParserProvider`:



Public Member Functions

- def [tinycss_parser](#) (cls, data, declaration=False)

Private Member Functions

- def [__create_tynicss_stylesheet](#) (cls, data)

9.39.1 Member Function Documentation

9.39.1.1 [__create_tynicss_stylesheet\(\)](#)

```
def lemmiwinks.parslib.provider.CSSParserProvider.__create_tynicss_stylesheet (
    cls,
    data ) [private]
```

9.39.1.2 [tynicss_parser\(\)](#)

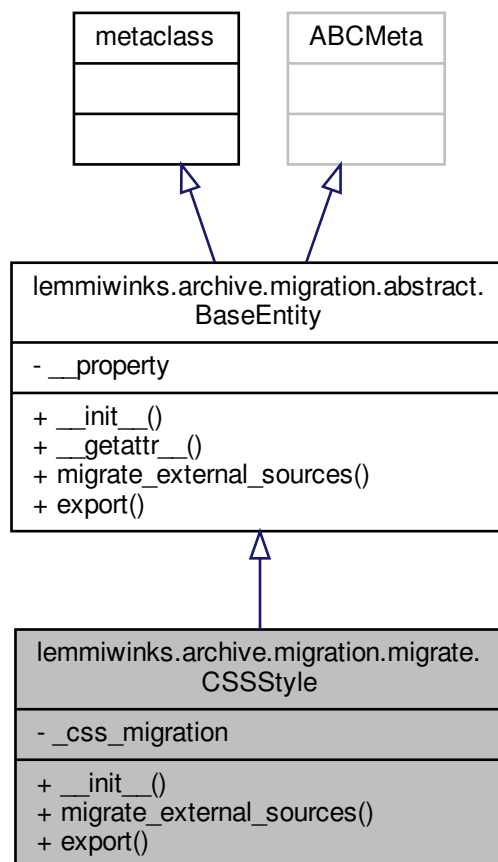
```
def lemmiwinks.parslib.provider.CSSParserProvider.tynicss_parser (
    cls,
    data,
    declaration = False )
```

The documentation for this class was generated from the following file:

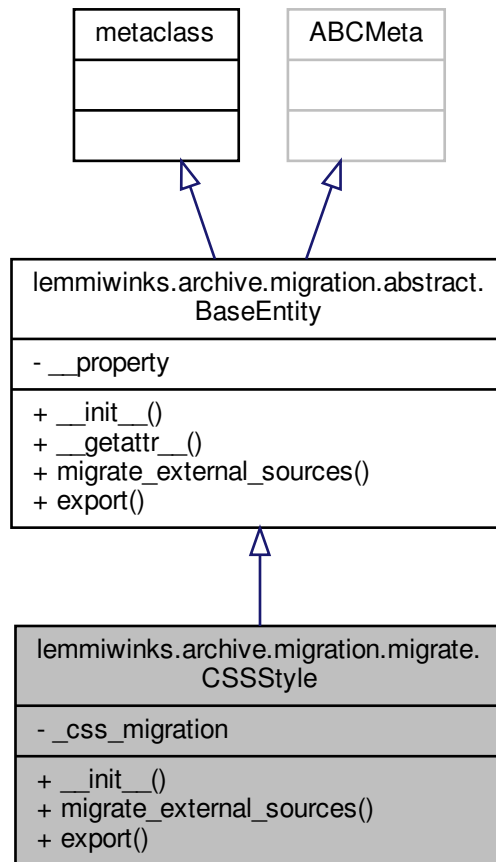
- [lemmit/lemmiwinks/parslib/provider.py](#)

9.40 lemmiwinks.archive.migration.migrate.CSSStyle Class Reference

Inheritance diagram for lemmiwinks.archive.migration.migrate.CSSStyle:



Collaboration diagram for `lemmiwinks.archive.migration.migrate.CSSStyle`:



Public Member Functions

- `def __init__(self, data, url, style_location, resource_location, settings, recursion_limit=3)`
- `def migrate_external_sources(self)`
- `def export(self)`

Private Attributes

- `_css_migration`

9.40.1 Constructor & Destructor Documentation

9.40.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.CSSStyle.__init__ (
    self,
    data,
    url,
    style_location,
    resource_location,
    settings,
    recursion_limit = 3 )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.BaseEntity](#).

9.40.2 Member Function Documentation

9.40.2.1 `export()`

```
def lemmiwinks.archive.migration.migrate.CSSStyle.export (
    self )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.BaseEntity](#).

Here is the call graph for this function:



9.40.2.2 `migrate_external_sources()`

```
def lemmiwinks.archive.migration.migrate.CSSStyle.migrate_external_sources (
    self )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.BaseEntity](#).

9.40.3 Member Data Documentation

9.40.3.1 `_css_migration`

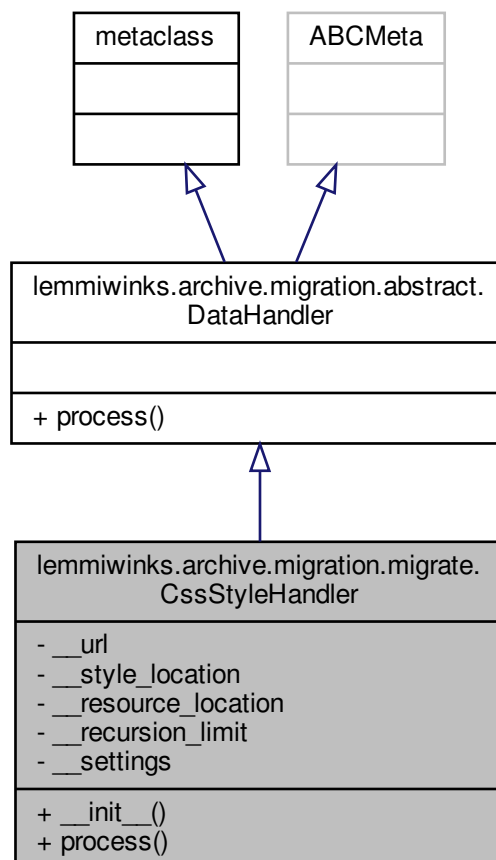
`lemmiwinks.archive.migration.migrate.CSSStyle._css_migration` [private]

The documentation for this class was generated from the following file:

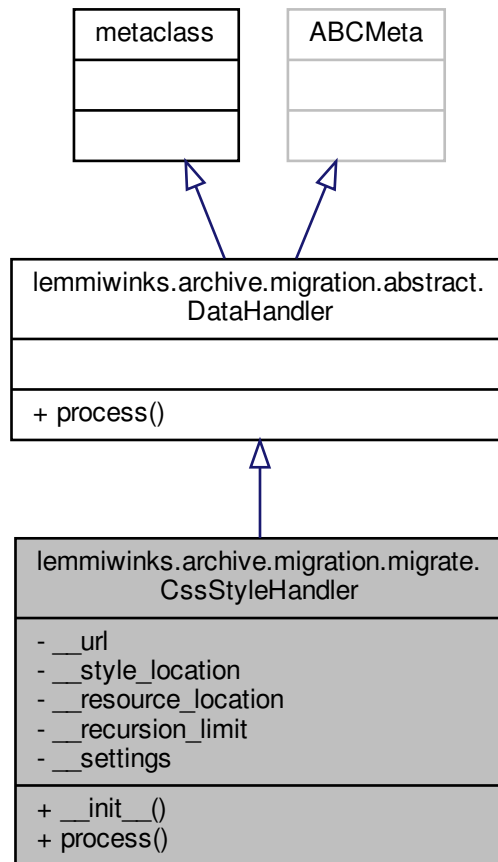
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.41 `lemmiwinks.archive.migration.migrate.CssStyleHandler` Class Reference

Inheritance diagram for `lemmiwinks.archive.migration.migrate.CssStyleHandler`:



Collaboration diagram for lemmiwinks.archive.migration.migrate.CssStyleHandler:



Public Member Functions

- `def __init__(self, entity_property, settings)`
- `def process(self, data)`

Private Attributes

- `__url`
- `__style_location`
- `__resource_location`
- `__recursion_limit`
- `__settings`

9.41.1 Constructor & Destructor Documentation

9.41.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.CssStyleHandler.__init__ (
    self,
    entity_property,
    settings )
```

9.41.2 Member Function Documentation

9.41.2.1 `process()`

```
def lemmiwinks.archive.migration.migrate.CssStyleHandler.process (
    self,
    data )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.DataHandler](#).

9.41.3 Member Data Documentation

9.41.3.1 `__recursion_limit`

```
lemmiwinks.archive.migration.migrate.CssStyleHandler.__recursion_limit [private]
```

9.41.3.2 `__resource_location`

```
lemmiwinks.archive.migration.migrate.CssStyleHandler.__resource_location [private]
```

9.41.3.3 `__settings`

```
lemmiwinks.archive.migration.migrate.CssStyleHandler.__settings [private]
```

9.41.3.4 `__style_location`

```
lemmiwinks.archive.migration.migrate.CssStyleHandler.__style_location [private]
```


Public Member Functions

- def [process](#) (self, data)

9.42.1 Member Function Documentation

9.42.1.1 process()

```
def lemmiwinks.archive.migration.abstract.DataHandler.process (
    self,
    data )
```

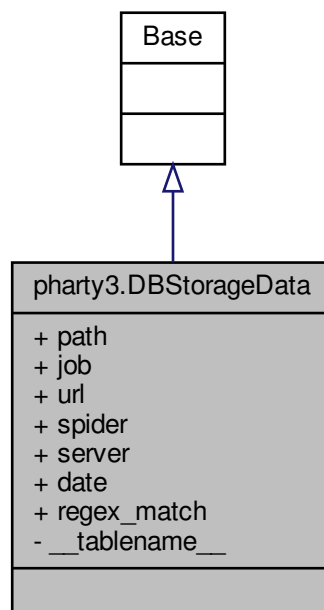
Reimplemented in [lemmiwinks.archive.migration.migrate._RecursiveEntityHandler](#), [lemmiwinks.archive.migration.migrate.DownloadH](#), [lemmiwinks.archive.migration.migrate.InlineJSHandler](#), [lemmiwinks.archive.migration.migrate.JSFileHandler](#), [lemmiwinks.archive.migration.migrate.CssDeclarationHandler](#), and [lemmiwinks.archive.migration.migrate.CssStyleHandler](#).

The documentation for this class was generated from the following file:

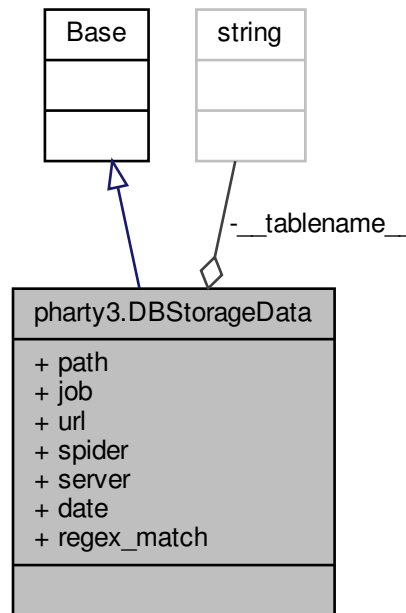
- [lemmit/lemmiwinks/archive/migration/abstract.py](#)

9.43 pharty3.DBStorageData Class Reference

Inheritance diagram for pharty3.DBStorageData:



Collaboration diagram for pharty3.DBStorageData:



Static Public Attributes

- [path](#) = Column(String(255), nullable=False, primary_key=True)
- [job](#) = Column(String(255), ForeignKey(DBStorageJobs.job, ondelete='RESTRICT'), nullable=False)
- [url](#) = Column(String(1000), nullable=False)
- [spider](#) = Column(String(255), nullable=False)
- [server](#) = Column(String(255), nullable=False)
- [date](#) = Column(String(255), nullable=False)
- [regex_match](#) = Column(String(255), nullable=False)

Static Private Attributes

- string [__tablename__](#) = 'data'

9.43.1 Detailed Description

Database table data.
Stores properties about particular job.

9.43.2 Member Data Documentation

9.43.2.1 `__tablename__`

```
string pharty3.DBStorageData.__tablename__ = 'data' [static], [private]
```

9.43.2.2 `date`

```
pharty3.DBStorageData.date = Column(String(255), nullable=False) [static]
```

9.43.2.3 `job`

```
pharty3.DBStorageData.job = Column(String(255), ForeignKey(DBStorageJobs.job, ondelete='REST↔RICT'), nullable=False) [static]
```

9.43.2.4 `path`

```
pharty3.DBStorageData.path = Column(String(255), nullable=False, primary_key=True) [static]
```

9.43.2.5 `regex_match`

```
pharty3.DBStorageData.regex_match = Column(String(255), nullable=False) [static]
```

9.43.2.6 `server`

```
pharty3.DBStorageData.server = Column(String(255), nullable=False) [static]
```

9.43.2.7 `spider`

```
pharty3.DBStorageData.spider = Column(String(255), nullable=False) [static]
```

9.43.2.8 url

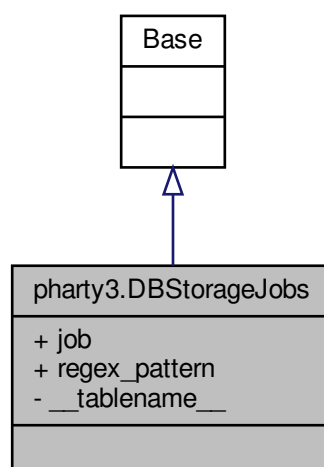
```
pharty3.DBStorageData.url = Column(String(1000), nullable=False) [static]
```

The documentation for this class was generated from the following file:

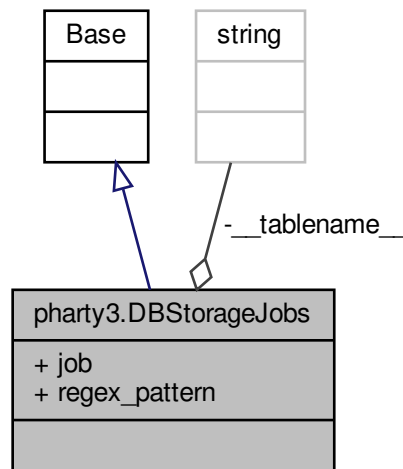
- [lemmit/pharty3.py](#)

9.44 pharty3.DBStorageJobs Class Reference

Inheritance diagram for pharty3.DBStorageJobs:



Collaboration diagram for pharty3.DBStorageJobs:



Static Public Attributes

- `job` = Column(String(255), nullable=False, primary_key=True)
- `regex_pattern` = Column(String(255), nullable=False)

Static Private Attributes

- `string __tablename__ = 'jobs'`

9.44.1 Detailed Description

Database table jobs.
Stores job name and regex_pattern.

9.44.2 Member Data Documentation

9.44.2.1 `__tablename__`

```
string pharty3.DBStorageJobs.__tablename__ = 'jobs' [static], [private]
```

9.44.2.2 job

```
pharty3.DBStorageJobs.job = Column(String(255), nullable=False, primary_key=True) [static]
```

9.44.2.3 regex_pattern

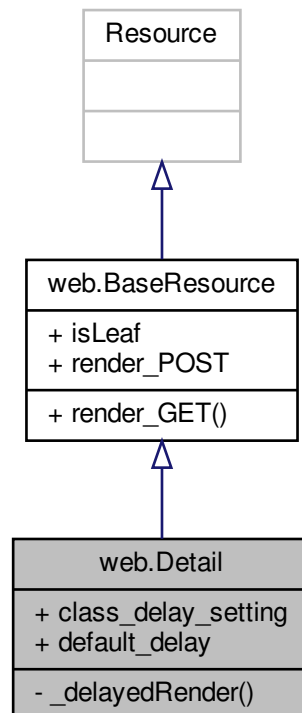
```
pharty3.DBStorageJobs.regex_pattern = Column(String(255), nullable=False) [static]
```

The documentation for this class was generated from the following file:

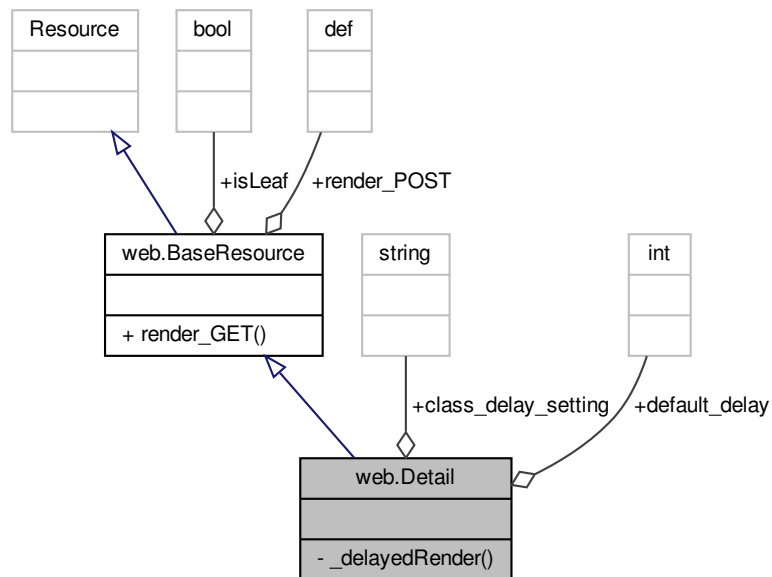
- [lemmit/pharty3.py](#)

9.45 web.Detail Class Reference

Inheritance diagram for web.Detail:



Collaboration diagram for web.Detail:



Static Public Attributes

- string `class_delay_setting` = 'SPEED_DETAIL_T_RESPONSE'
- int `default_delay` = 1

Private Member Functions

- def `_delayedRender` (self, request, settings)

Additional Inherited Members

9.45.1 Member Function Documentation

9.45.1.1 `_delayedRender()`

```

def web.Detail._delayedRender (
    self,
    request,
    settings ) [private]
  
```

Here is the call graph for this function:



Here is the caller graph for this function:



9.45.2 Member Data Documentation

9.45.2.1 class_delay_setting

```
string web.Detail.class_delay_setting = 'SPEED_DETAIL_T_RESPONSE' [static]
```

9.45.2.2 default_delay

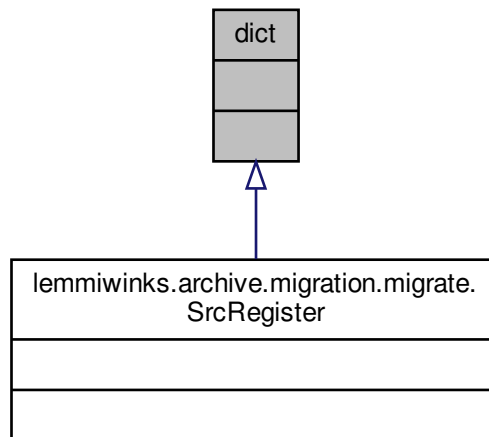
```
int web.Detail.default_delay = 1 [static]
```

The documentation for this class was generated from the following file:

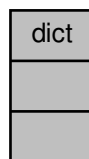
- [scrapit/tests/web/web.py](#)

9.46 dict Class Reference

Inheritance diagram for dict:



Collaboration diagram for dict:



The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.47 lemmywinks.pathgen.DirectoryWrapper Class Reference

Collaboration diagram for lemmywinks.pathgen.DirectoryWrapper:

lemmywinks.pathgen.Directory Wrapper
- <code>_dirpath</code> - <code>_files</code>
+ <code>__init__()</code> + <code>get_filepath_with()</code> - <code>__generate_unique_filepath_with()</code> - <code>__generate_filepath_with()</code>

Public Member Functions

- def `__init__` (self, str location)
- pathlib.Path `get_filepath_with` (self, str extension)

Private Member Functions

- pathlib.Path `__generate_unique_filepath_with` (self, str extension)
- pathlib.Path `__generate_filepath_with` (self, str extension)

Private Attributes

- `_dirpath`
- `_files`

9.47.1 Constructor & Destructor Documentation

9.47.1.1 `__init__()`

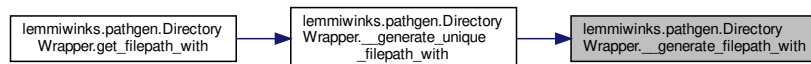
```
def lemmywinks.pathgen.DirectoryWrapper.__init__ (
    self,
    str location )
```


9.47.2 Member Function Documentation

9.47.2.1 `__generate_filepath_with()`

```
pathlib.Path lemmiwinks.pathgen.DirectoryWrapper.__generate_filepath_with (
    self,
    str extension ) [private]
```

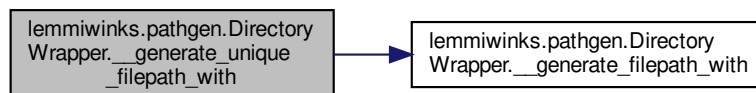
Here is the caller graph for this function:



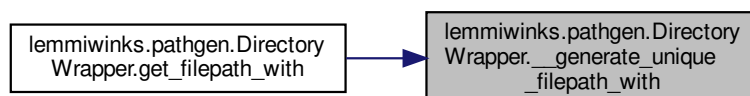
9.47.2.2 `__generate_unique_filepath_with()`

```
pathlib.Path lemmiwinks.pathgen.DirectoryWrapper.__generate_unique_filepath_with (
    self,
    str extension ) [private]
```

Here is the call graph for this function:



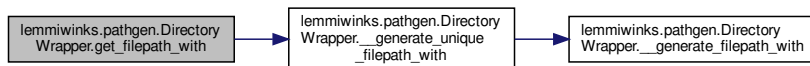
Here is the caller graph for this function:



9.47.2.3 get_filepath_with()

```
pathlib.Path lemmiwinks.pathgen.DirectoryWrapper.get_filepath_with (
    self,
    str extension )
```

Here is the call graph for this function:



9.47.3 Member Data Documentation

9.47.3.1 _dirpath

```
lemmiwinks.pathgen.DirectoryWrapper._dirpath [private]
```

9.47.3.2 _files

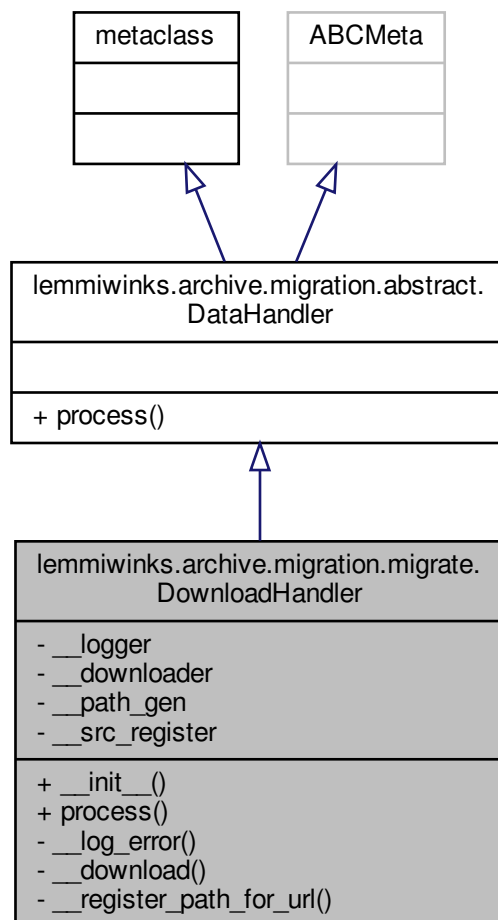
```
lemmiwinks.pathgen.DirectoryWrapper._files [private]
```

The documentation for this class was generated from the following file:

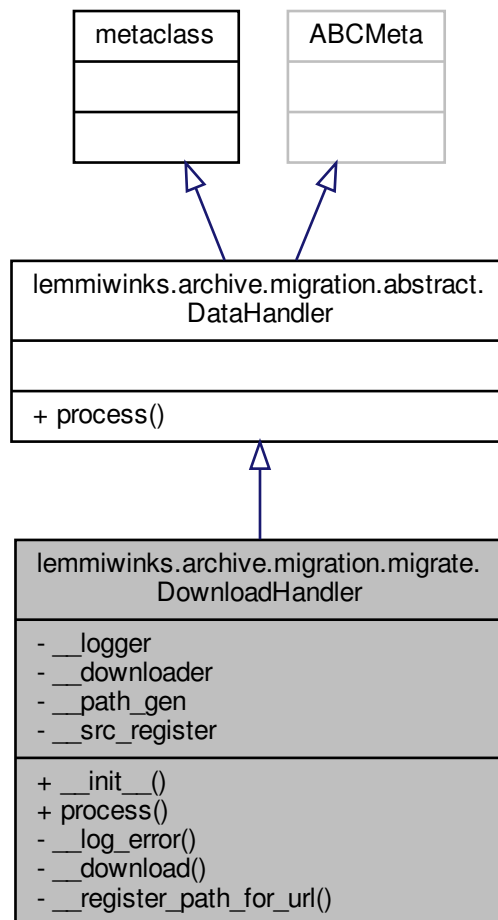
- [lemmit/lemmiwinks/pathgen.py](#)

9.48 lemmywinks.archive.migration.migrate.DownloadHandler Class Reference

Inheritance diagram for lemmywinks.archive.migration.migrate.DownloadHandler:



Collaboration diagram for lemmiwinks.archive.migration.migrate.DownloadHandler:



Public Member Functions

- def `__init__` (self, entity_property, settings)
- def `process` (self, url)

Private Member Functions

- def `__log_error` (self, **kwargs)
- def `__download` (self, url)
- def `__register_path_for_url` (self, url)

Private Attributes

- `__logger`
- `__downloader`
- `__path_gen`
- `__src_register`

9.48.1 Constructor & Destructor Documentation

9.48.1.1 `__init__()`

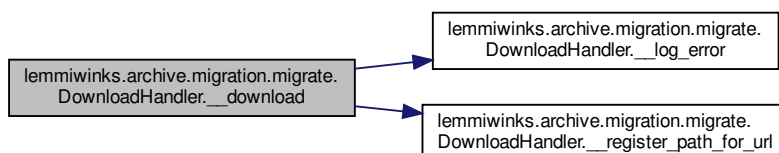
```
def lemmiwinks.archive.migration.migrate.DownloadHandler.__init__ (
    self,
    entity_property,
    settings )
```

9.48.2 Member Function Documentation

9.48.2.1 `__download()`

```
def lemmiwinks.archive.migration.migrate.DownloadHandler.__download (
    self,
    url ) [private]
```

Here is the call graph for this function:



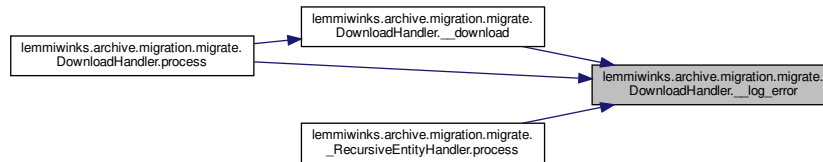
Here is the caller graph for this function:



9.48.2.2 __log_error()

```
def lemmiwinks.archive.migration.migrate.DownloadHandler.__log_error (
    self,
    ** kwargs ) [private]
```

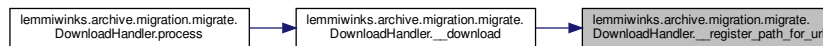
Here is the caller graph for this function:



9.48.2.3 __register_path_for_url()

```
def lemmiwinks.archive.migration.migrate.DownloadHandler.__register_path_for_url (
    self,
    url ) [private]
```

Here is the caller graph for this function:

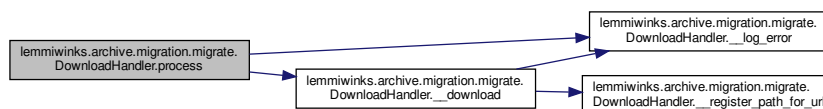


9.48.2.4 process()

```
def lemmiwinks.archive.migration.migrate.DownloadHandler.process (
    self,
    url )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.DataHandler](#).

Here is the call graph for this function:



9.48.3 Member Data Documentation

9.48.3.1 `__downloader`

`lemmiwinks.archive.migration.migrate.DownloadHandler.__downloader` [private]

9.48.3.2 `__logger`

`lemmiwinks.archive.migration.migrate.DownloadHandler.__logger` [private]

9.48.3.3 `__path_gen`

`lemmiwinks.archive.migration.migrate.DownloadHandler.__path_gen` [private]

9.48.3.4 `__src_register`

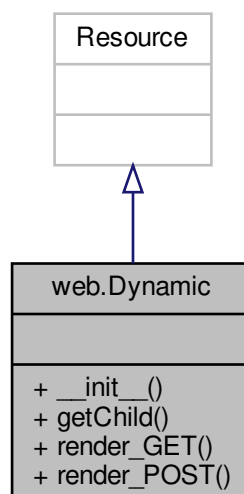
`lemmiwinks.archive.migration.migrate.DownloadHandler.__src_register` [private]

The documentation for this class was generated from the following file:

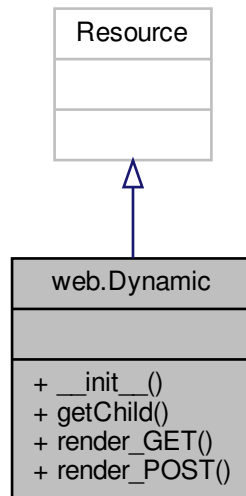
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.49 web.Dynamic Class Reference

Inheritance diagram for `web.Dynamic`:



Collaboration diagram for web.Dynamic:



Public Member Functions

- def `__init__` (self)
- def `getChild` (self, name, request)
- def `render_GET` (self, request)
- def `render_POST` (self, request)

9.49.1 Constructor & Destructor Documentation

9.49.1.1 `__init__`()

```
def web.Dynamic.__init__ (
    self )
```

9.49.2 Member Function Documentation

9.49.2.1 getChild()

```
def web.Dynamic.getChild (
    self,
    name,
    request )
```

9.49.2.2 render_GET()

```
def web.Dynamic.render_GET (
    self,
    request )
```

9.49.2.3 render_POST()

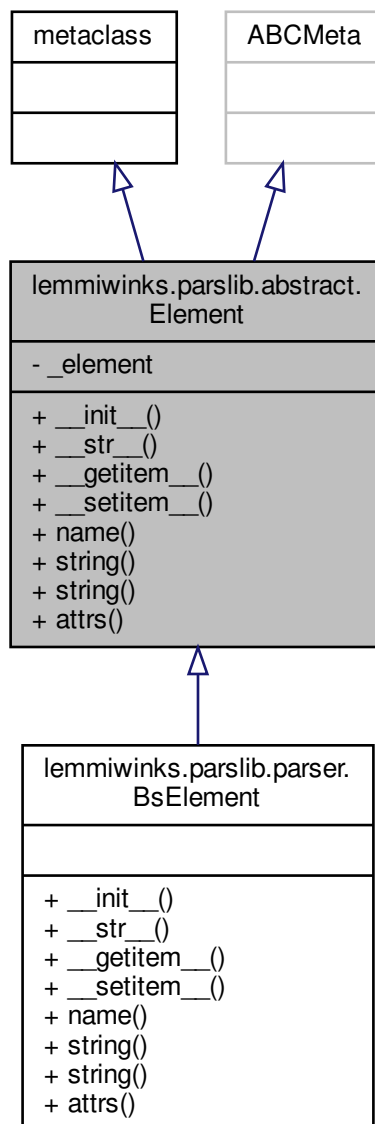
```
def web.Dynamic.render_POST (
    self,
    request )
```

The documentation for this class was generated from the following file:

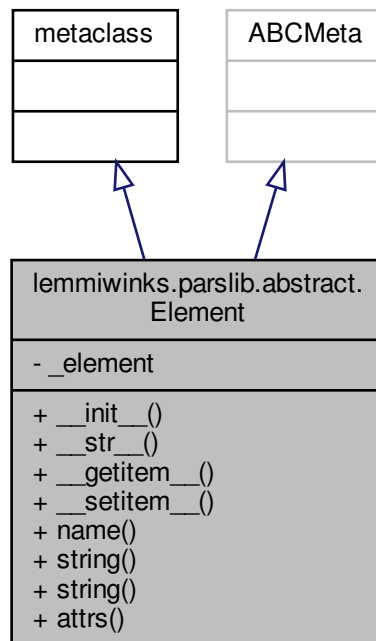
- [scrapit/tests/web/web.py](#)

9.50 lemmiwinks.parslib.abstract.Element Class Reference

Inheritance diagram for lemmiwinks.parslib.abstract.Element:



Collaboration diagram for `lemmiwinks.parslib.abstract.Element`:



Public Member Functions

- `def __init__(self, element)`
- `def __str__(self)`
- `def __getitem__(self, item)`
- `def __setitem__(self, key, value)`
- `def name(self)`
- `def string(self)`
- `def string(self, string)`
- `def attrs(self)`

Private Attributes

- `_element`

9.50.1 Constructor & Destructor Documentation

9.50.1.1 `__init__()`

```
def lemmiwinks.parslib.abstract.Element.__init__ (
    self,
    element )
```

Reimplemented in [lemmiwinks.parslib.parser.BsElement](#).

9.50.2 Member Function Documentation

9.50.2.1 `__getitem__()`

```
def lemmiwinks.parslib.abstract.Element.__getitem__ (
    self,
    item )
```

Reimplemented in [lemmiwinks.parslib.parser.BsElement](#).

9.50.2.2 `__setitem__()`

```
def lemmiwinks.parslib.abstract.Element.__setitem__ (
    self,
    key,
    value )
```

Reimplemented in [lemmiwinks.parslib.parser.BsElement](#).

9.50.2.3 `__str__()`

```
def lemmiwinks.parslib.abstract.Element.__str__ (
    self )
```

Reimplemented in [lemmiwinks.parslib.parser.BsElement](#).

9.50.2.4 `attrs()`

```
def lemmiwinks.parslib.abstract.Element.attrs (
    self )
```

Reimplemented in [lemmiwinks.parslib.parser.BsElement](#).

9.50.2.5 name()

```
def lemmiwinks.parslib.abstract.Element.name (  
    self )
```

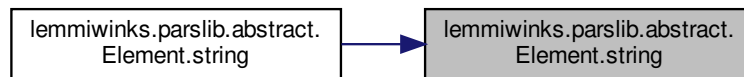
Reimplemented in [lemmiwinks.parslib.parser.BsElement](#).

9.50.2.6 string() [1/2]

```
def lemmiwinks.parslib.abstract.Element.string (  
    self )
```

Reimplemented in [lemmiwinks.parslib.parser.BsElement](#).

Here is the caller graph for this function:

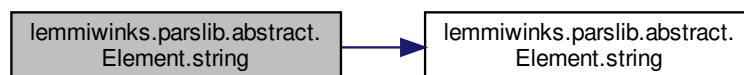


9.50.2.7 string() [2/2]

```
def lemmiwinks.parslib.abstract.Element.string (  
    self,  
    string )
```

Reimplemented in [lemmiwinks.parslib.parser.BsElement](#).

Here is the call graph for this function:



9.50.3 Member Data Documentation

9.50.3.1 `_element`

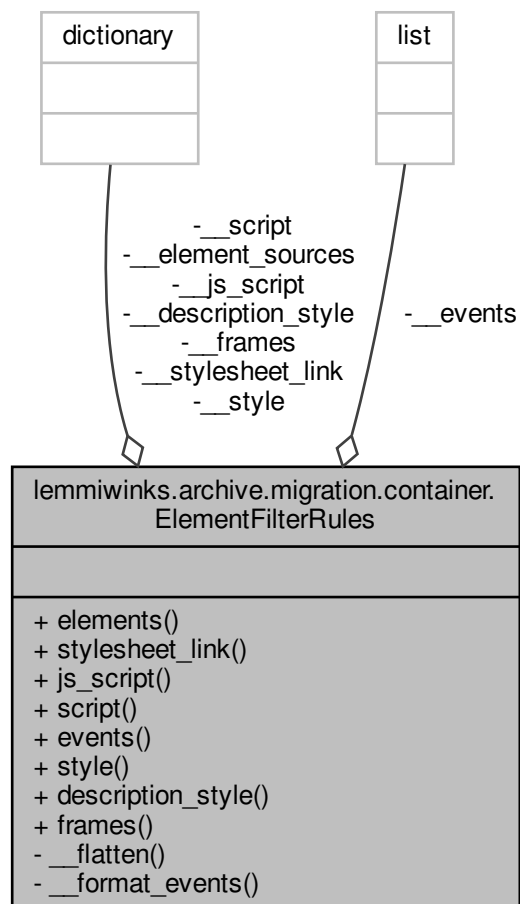
```
lemmywinks.parslib.abstract.Element._element [private]
```

The documentation for this class was generated from the following file:

- [lemmit/lemmywinks/parslib/abstract.py](#)

9.51 lemmywinks.archive.migration.container.ElementFilterRules Class Reference

Collaboration diagram for lemmywinks.archive.migration.container.ElementFilterRules:



Public Member Functions

- def [elements](#) (self)
- def [stylesheet_link](#) (self)
- def [js_script](#) (self)
- def [script](#) (self)
- def [events](#) (self)
- def [style](#) (self)
- def [description_style](#) (self)
- def [frames](#) (self)

Static Private Member Functions

- def [__flatten](#) (rules)
- def [__format_events](#) (event_list)

Static Private Attributes

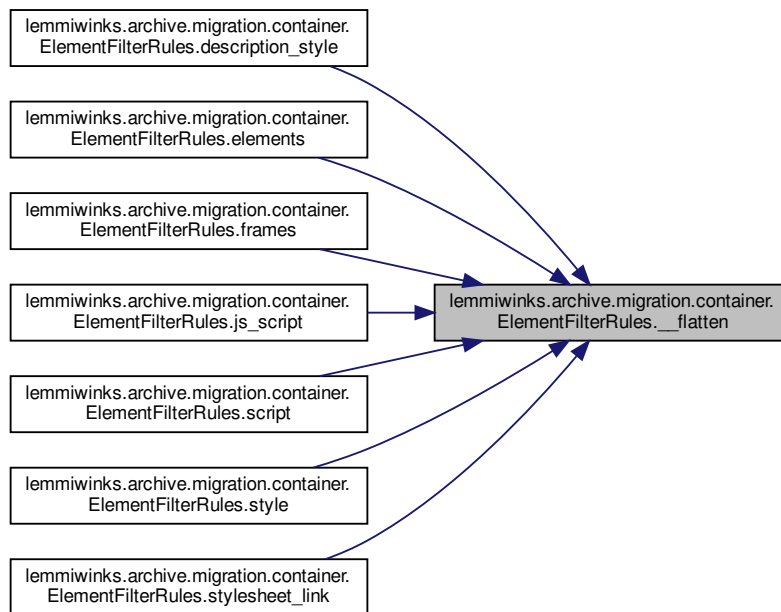
- dictionary [__element_sources](#)
- dictionary [__stylesheet_link](#) = {"link": [{"href": True, "rel": "stylesheet"}]}
- dictionary [__js_script](#) = {"script": [{"src": True}]}
- dictionary [__script](#) = {"script": [None]}
- dictionary [__style](#) = {"style": [None]}
- dictionary [__description_style](#) = {True: [{"style": True}]}
- dictionary [__frames](#)
- list [__events](#)

9.51.1 Member Function Documentation

9.51.1.1 [__flatten\(\)](#)

```
def lemmiwinks.archive.migration.container.ElementFilterRules.__flatten (
    rules ) [static], [private]
```

Here is the caller graph for this function:



9.51.1.2 __format_events()

```
def lemmiwinks.archive.migration.container.ElementFilterRules.__format_events (
    event_list ) [static], [private]
```

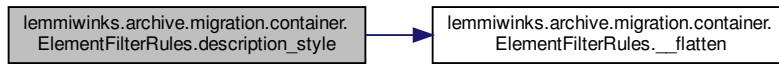
Here is the caller graph for this function:



9.51.1.3 description_style()

```
def lemmiwinks.archive.migration.container.ElementFilterRules.description_style (
    self )
```


Here is the call graph for this function:



9.51.1.4 elements()

```
def lemmiwinks.archive.migration.container.ElementFilterRules.elements (
    self )
```

Here is the call graph for this function:



9.51.1.5 events()

```
def lemmiwinks.archive.migration.container.ElementFilterRules.events (
    self )
```

Here is the call graph for this function:



9.51.1.6 frames()

```
def lemmiwinks.archive.migration.container.ElementFilterRules.frames (  
    self )
```

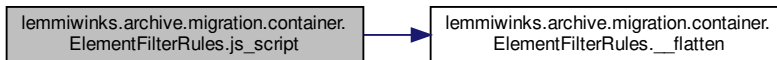
Here is the call graph for this function:



9.51.1.7 js_script()

```
def lemmiwinks.archive.migration.container.ElementFilterRules.js_script (  
    self )
```

Here is the call graph for this function:



9.51.1.8 script()

```
def lemmiwinks.archive.migration.container.ElementFilterRules.script (  
    self )
```

Here is the call graph for this function:



9.51.1.9 style()

```
def lemmiwinks.archive.migration.container.ElementFilterRules.style (
    self )
```

Here is the call graph for this function:



9.51.1.10 stylesheet_link()

```
def lemmiwinks.archive.migration.container.ElementFilterRules.stylesheet_link (
    self )
```

Here is the call graph for this function:



9.51.2 Member Data Documentation

9.51.2.1 __description_style

```
dictionary lemmiwinks.archive.migration.container.ElementFilterRules.__description_style =
{True: [{"style": True}]} [static], [private]
```

9.51.2.2 __element_sources

dictionary lemmiwinks.archive.migration.container.ElementFilterRules.__element_sources [static], [private]

Initial value:

```
= {"img": [{"src": True}, {"data-src": True}],
   "video": [{"src": True}, {"poster": True}],
   "embed": [{"src": True}],
   "source": [{"src": True}],
   "audio": [{"src": True}],
   "input": [{"src": True}],
   "object": [{"data": True}, {"codebase": True}],
   "track": [{"src": True}]}
```

9.51.2.3 __events

list lemmiwinks.archive.migration.container.ElementFilterRules.__events [static], [private]

Initial value:

```
= ["onafterprint", "onbeforeprint", "onbeforeunload", "onerror",
   "onhashchange", "onload", "onmessage", "onoffline", "ononline",
   "onpagehide", "onpageshow", "onpopstate", "onresize",
   "onstorage", "onunload", "onblur", "onchange", "oncontextmenu",
   "onfocus", "oninput", "oninvalid", "onreset", "onsearch",
   "onselect", "onsubmit", "onkeydown", "onkeypress", "onkeyup",
   "onclick", "ondblclick", "onmousedown", "onmousemove",
   "onmouseout", "onmouseover", "onmouseup", "onmousewheel",
   "onwheel", "ondrag", "ondragend", "ondragenter", "ondragleave",
   "ondragover", "ondragstart", "ondrop", "onscroll", "oncopy",
   "oncut", "onpaste", "onabort", "oncanplay", "oncanplaythrough",
   "oncuechange", "ondurationchange", "onemptied", "onended",
   "onerror", "onloadeddata", "onloadedmetadata", "onloadstart",
   "onpause", "onplay", "onplaying", "onprogress", "onratechange",
   "onseeked", "onseeking", "onstalled", "onsuspend",
   "ontimeupdate", "onvolumechange", "onwaiting", "onshow",
   "ontoggle"]
```

9.51.2.4 __frames

dictionary lemmiwinks.archive.migration.container.ElementFilterRules.__frames [static], [private]

Initial value:

```
= {"frame": [{"src": True}],
   "iframe": [{"src": True}]}
```

9.51.2.5 __js_script

dictionary lemmiwinks.archive.migration.container.ElementFilterRules.__js_script = {"script": [{"src": True}]} [static], [private]

9.51.2.6 `__script`

```
dictionary lemmiwinks.archive.migration.container.ElementFilterRules.__script = {"script"↔  
: [None]} [static], [private]
```

9.51.2.7 `__style`

```
dictionary lemmiwinks.archive.migration.container.ElementFilterRules.__style = {"style"↔  
: [None]} [static], [private]
```

9.51.2.8 `__stylesheet_link`

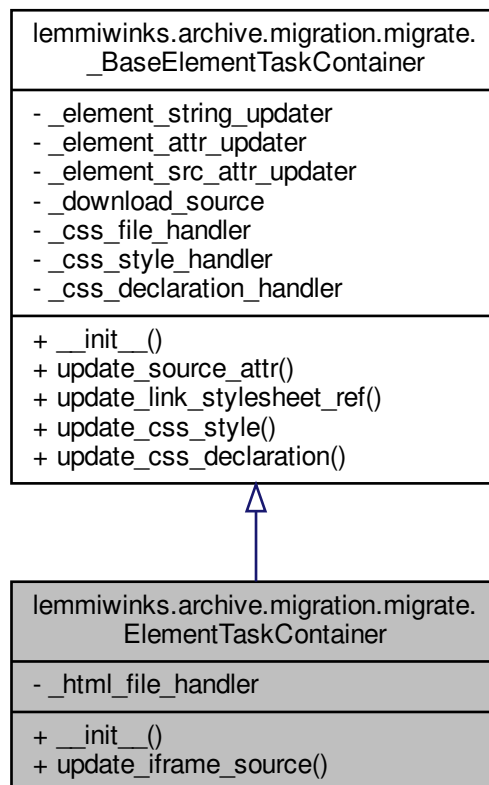
```
dictionary lemmiwinks.archive.migration.container.ElementFilterRules.__stylesheet_link = {"link"↔  
: [{"href": True, "rel": "stylesheet"}]} [static], [private]
```

The documentation for this class was generated from the following file:

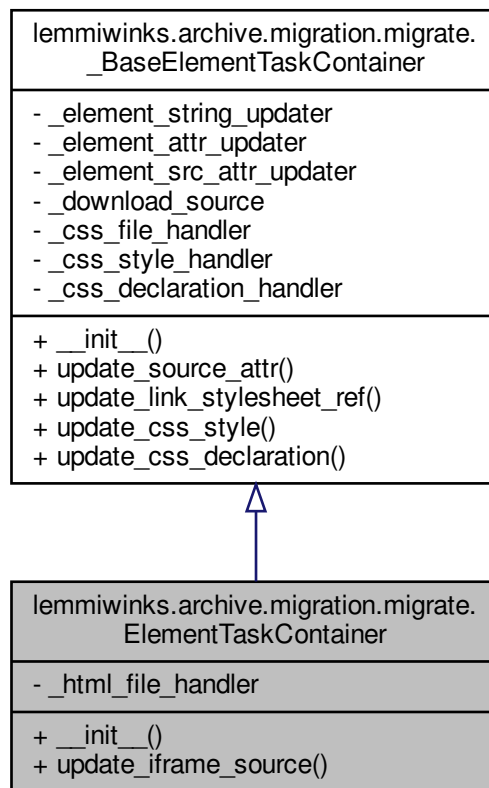
- [lemmit/lemmiwinks/archive/migration/container.py](#)

9.52 lemmywinks.archive.migration.migrate.ElementTaskContainer Class Reference

Inheritance diagram for lemmywinks.archive.migration.migrate.ElementTaskContainer:



Collaboration diagram for `lemmiwinks.archive.migration.migrate.ElementTaskContainer`:



Public Member Functions

- `def __init__(self, entity_property, settings)`
- `def update_iframe_source(self, element, attr)`

Private Attributes

- `__html_file_handler`

9.52.1 Constructor & Destructor Documentation

9.52.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.ElementTaskContainer.__init__(
    self,
    entity_property,
    settings )
```

Reimplemented from `lemmiwinks.archive.migration.migrate._BaseElementTaskContainer`.

9.52.2 Member Function Documentation

9.52.2.1 update_iframe_source()

```
def lemmiwinks.archive.migration.migrate.ElementTaskContainer.update_iframe_source (
    self,
    element,
    attr )
```

9.52.3 Member Data Documentation

9.52.3.1 _html_file_handler

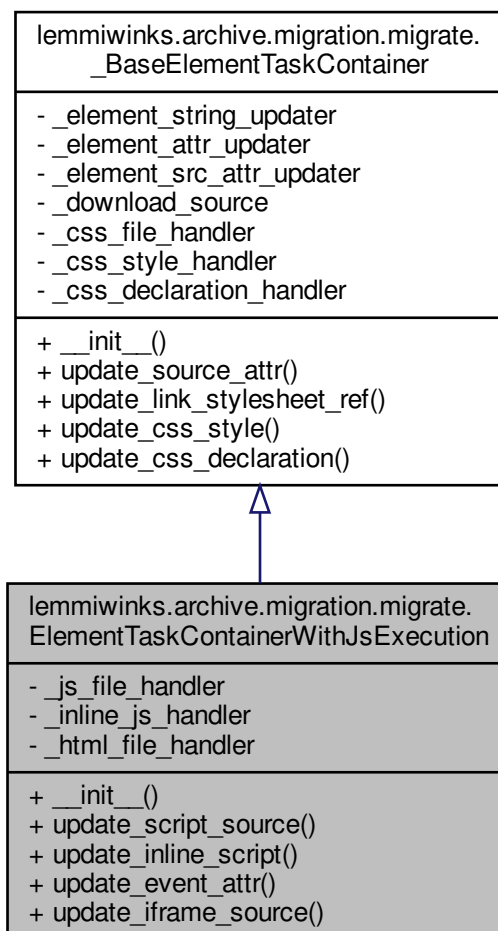
```
lemmiwinks.archive.migration.migrate.ElementTaskContainer._html_file_handler [private]
```

The documentation for this class was generated from the following file:

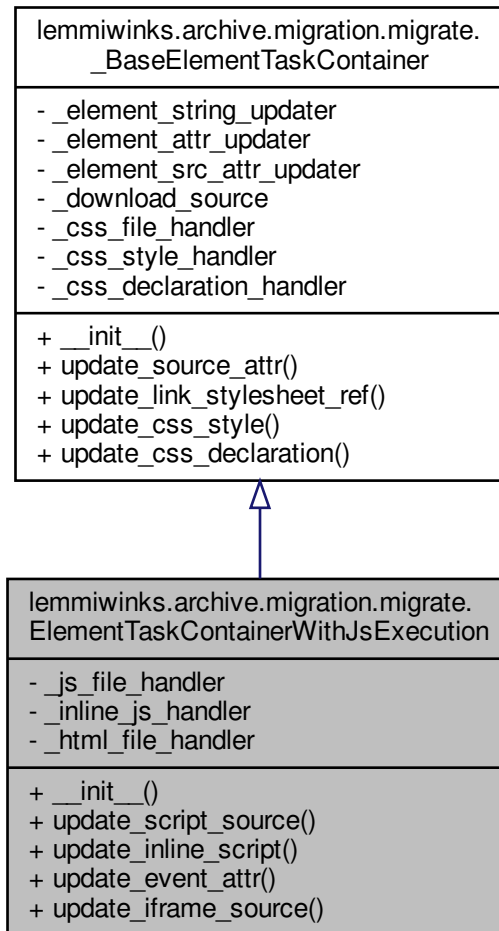
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.53 lemmywinks.archive.migration.migrate.ElementTaskContainerWithJsExecution Class Reference

Inheritance diagram for lemmywinks.archive.migration.migrate.ElementTaskContainerWithJsExecution:



Collaboration diagram for lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution:



Public Member Functions

- `def __init__(self, entity_property, settings)`
- `def update_script_source(self, element, attr)`
- `def update_inline_script(self, element)`
- `def update_event_attr(self, element, attr)`
- `def update_iframe_source(self, element, attr)`

Private Attributes

- `__js_file_handler`
- `__inline_js_handler`
- `__html_file_handler`

9.53.1 Constructor & Destructor Documentation

9.53.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution.__init__ (
    self,
    entity_property,
    settings )
```

Reimplemented from [lemmiwinks.archive.migration.migrate._BaseElementTaskContainer](#).

9.53.2 Member Function Documentation

9.53.2.1 `update_event_attr()`

```
def lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution.update_event_attr
(
    self,
    element,
    attr )
```

9.53.2.2 `update_iframe_source()`

```
def lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution.update_iframe↔
source (
    self,
    element,
    attr )
```

9.53.2.3 `update_inline_script()`

```
def lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution.update_inline↔
script (
    self,
    element )
```

9.53.2.4 update_script_source()

```
def lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution.update_script_source (
    self,
    element,
    attr )
```

9.53.3 Member Data Documentation

9.53.3.1 _html_file_handler

```
lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution._html_file_handler
[private]
```

9.53.3.2 _inline_js_handler

```
lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution._inline_js_handler
[private]
```

9.53.3.3 _js_file_handler

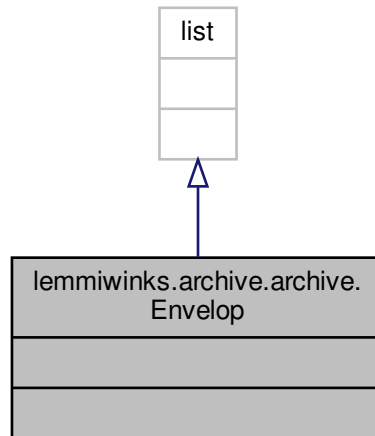
```
lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution._js_file_handler
[private]
```

The documentation for this class was generated from the following file:

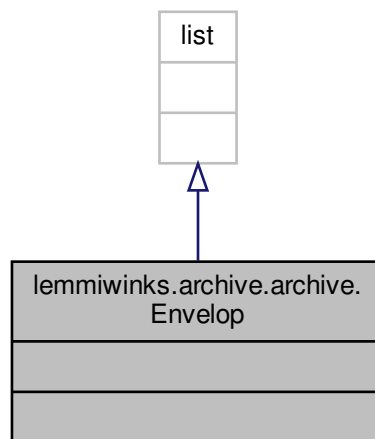
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.54 lemmiwinks.archive.archive.Envelop Class Reference

Inheritance diagram for lemmiwinks.archive.archive.Envelop:



Collaboration diagram for lemmiwinks.archive.archive.Envelop:

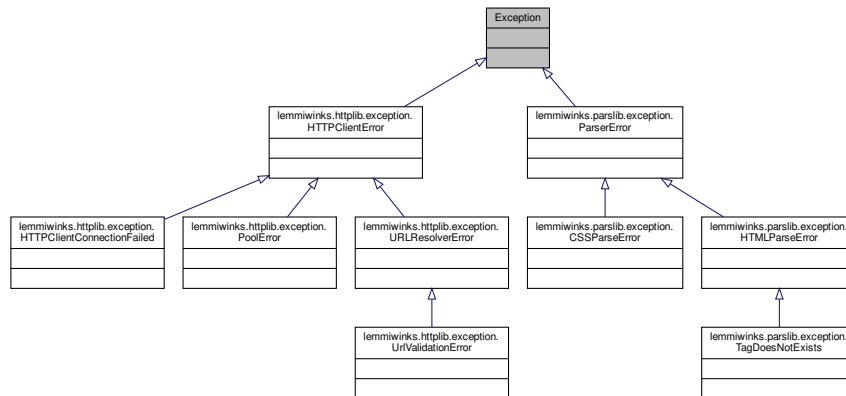


The documentation for this class was generated from the following file:

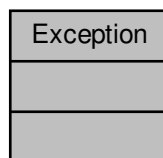
- [lemmit/lemmiwinks/archive/archive.py](#)

9.55 Exception Class Reference

Inheritance diagram for Exception:



Collaboration diagram for Exception:



The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/httplib/exception.py](#)

9.56 lemmiwinks.pathgen.FilePathGenerator Class Reference

Collaboration diagram for lemmiwinks.pathgen.FilePathGenerator:

lemmiwinks.pathgen.FilePathGenerator
<ul style="list-style-type: none"> - <code>_logger</code> - <code>_directory</code> - <code>_path_prefix</code>
<ul style="list-style-type: none"> + <code>__init__()</code> + <code>generate_filepath_with()</code> + <code>get_relpath_from()</code> - <code>__generate_abs_filepath_with()</code>

Public Member Functions

- def `__init__` (self, [object](#) directory, str path_prefix)
- str [generate_filepath_with](#) (self, str extension)
- str [get_relpath_from](#) (self, str abs_path)

Private Member Functions

- `pathlib.Path` [__generate_abs_filepath_with](#) (self, str extension)

Private Attributes

- [_logger](#)
- [_directory](#)
- [_path_prefix](#)

9.56.1 Constructor & Destructor Documentation

9.56.1.1 `__init__()`

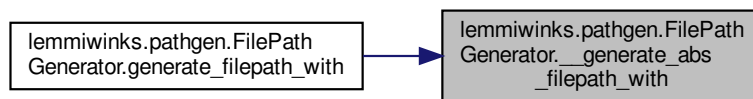
```
def lemmiwinks.pathgen.FilePathGenerator.__init__ (
    self,
    object directory,
    str path_prefix )
```

9.56.2 Member Function Documentation

9.56.2.1 `__generate_abs_filepath_with()`

```
pathlib.Path lemmiwinks.pathgen.FilePathGenerator.__generate_abs_filepath_with (
    self,
    str extension ) [private]
```

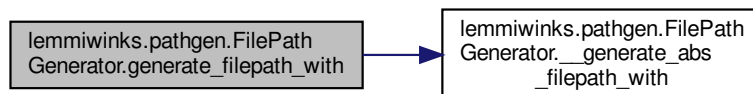
Here is the caller graph for this function:



9.56.2.2 `generate_filepath_with()`

```
str lemmiwinks.pathgen.FilePathGenerator.generate_filepath_with (
    self,
    str extension )
```

Here is the call graph for this function:



9.56.2.3 `get_relpath_from()`

```
str lemmiwinks.pathgen.FilePathGenerator.get_relpath_from (
    self,
    str abs_path )
```


9.56.3 Member Data Documentation

9.56.3.1 `_directory`

`lemmiwinks.pathgen.FilePathGenerator._directory` [private]

9.56.3.2 `_logger`

`lemmiwinks.pathgen.FilePathGenerator._logger` [private]

9.56.3.3 `_path_prefix`

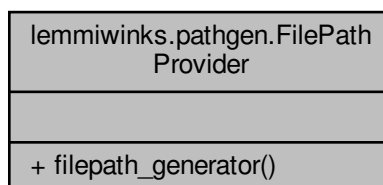
`lemmiwinks.pathgen.FilePathGenerator._path_prefix` [private]

The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/pathgen.py](#)

9.57 `lemmiwinks.pathgen.FilePathProvider` Class Reference

Collaboration diagram for `lemmiwinks.pathgen.FilePathProvider`:



Public Member Functions

- def `filepath_generator` (cls, location, path_prefix)

9.57.1 Member Function Documentation

9.57.1.1 filepath_generator()

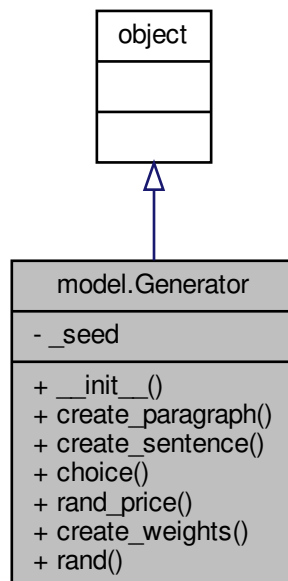
```
def lemmitwinks.pathgen.FilePathProvider.filepath_generator (
    cls,
    location,
    path_prefix )
```

The documentation for this class was generated from the following file:

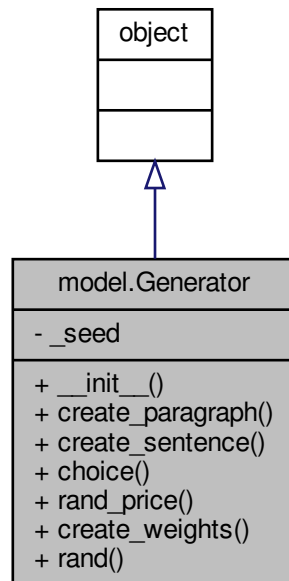
- [lemmit/lemmitwinks/pathgen.py](#)

9.58 model.Generator Class Reference

Inheritance diagram for model.Generator:



Collaboration diagram for model.Generator:



Public Member Functions

- def `__init__` (self, seed)
- def `create_paragraph` (self, options)
- def `create_sentence` (self, options)
- def `choice` (self, options)
- def `rand_price` (self, title, weights)
- def `create_weights` (self, titles)
- def `rand` (self, maxv)

Private Attributes

- `_seed`

9.58.1 Constructor & Destructor Documentation

9.58.1.1 `__init__`()

```
def model.Generator.__init__ (
    self,
    seed )
```

9.58.2 Member Function Documentation

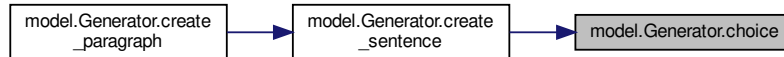
9.58.2.1 choice()

```
def model.Generator.choice (
    self,
    options )
```

Here is the call graph for this function:



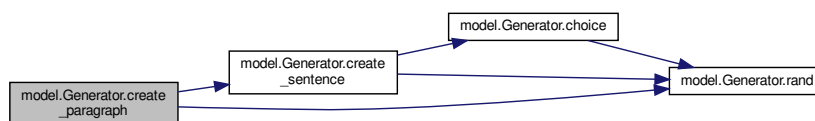
Here is the caller graph for this function:



9.58.2.2 create_paragraph()

```
def model.Generator.create_paragraph (
    self,
    options )
```

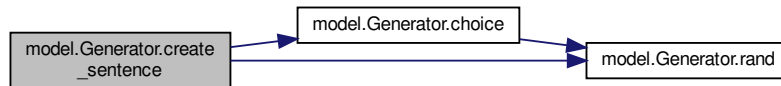
Here is the call graph for this function:



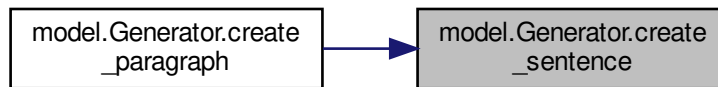
9.58.2.3 create_sentence()

```
def model.Generator.create_sentence (
    self,
    options )
```

Here is the call graph for this function:



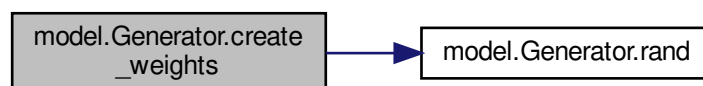
Here is the caller graph for this function:



9.58.2.4 create_weights()

```
def model.Generator.create_weights (
    self,
    titles )
```

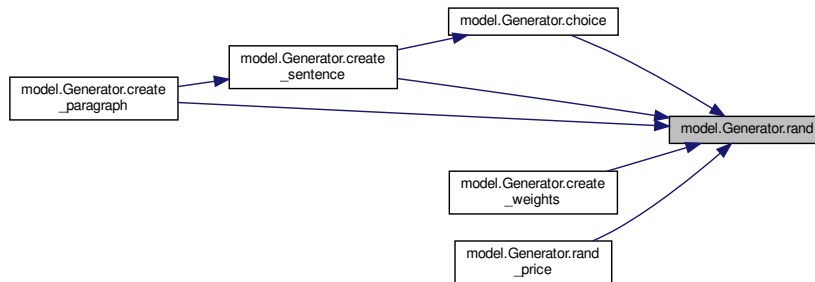
Here is the call graph for this function:



9.58.2.5 rand()

```
def model.Generator.rand (
    self,
    maxv )
```

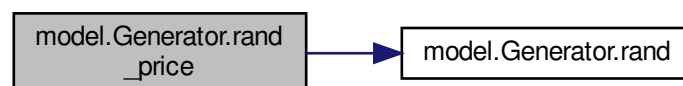
Here is the caller graph for this function:



9.58.2.6 rand_price()

```
def model.Generator.rand_price (
    self,
    title,
    weights )
```

Here is the call graph for this function:



9.58.3 Member Data Documentation

9.58.3.1 _seed

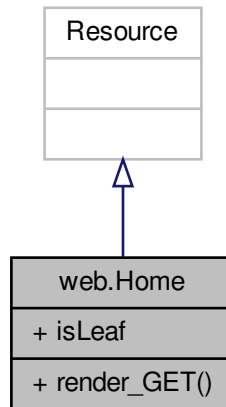
```
model.Generator._seed [private]
```

The documentation for this class was generated from the following file:

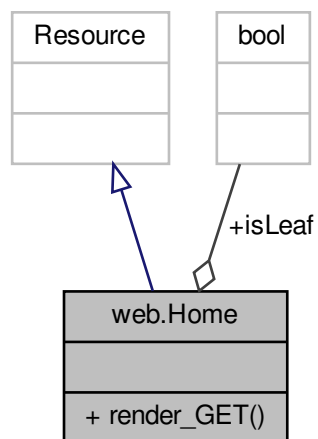
- [scrapit/tests/web/model.py](#)

9.59 web.Home Class Reference

Inheritance diagram for web.Home:



Collaboration diagram for web.Home:



Public Member Functions

- def [render_GET](#) (self, request)

Static Public Attributes

- bool `isLeaf` = True

9.59.1 Member Function Documentation

9.59.1.1 `render_GET()`

```
def web.Home.render_GET (
    self,
    request )
```

9.59.2 Member Data Documentation

9.59.2.1 `isLeaf`

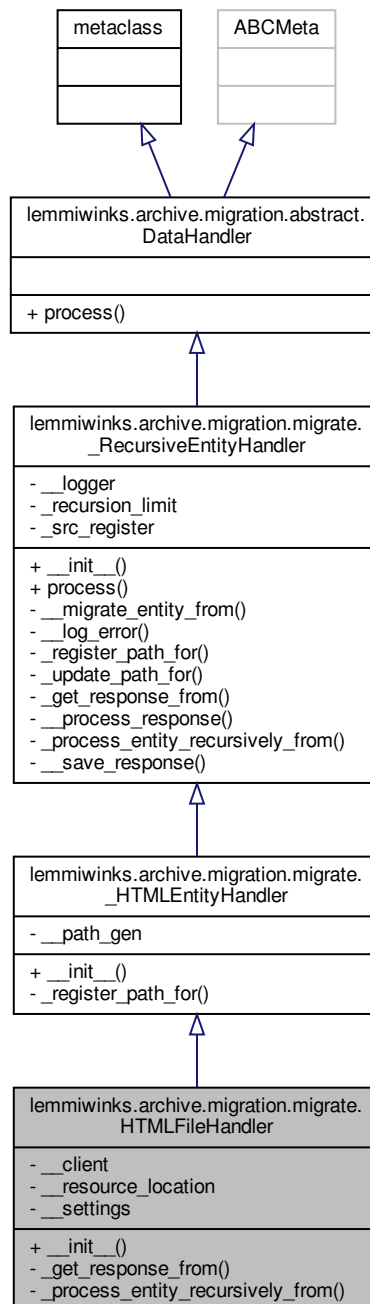
```
bool web.Home.isLeaf = True [static]
```

The documentation for this class was generated from the following file:

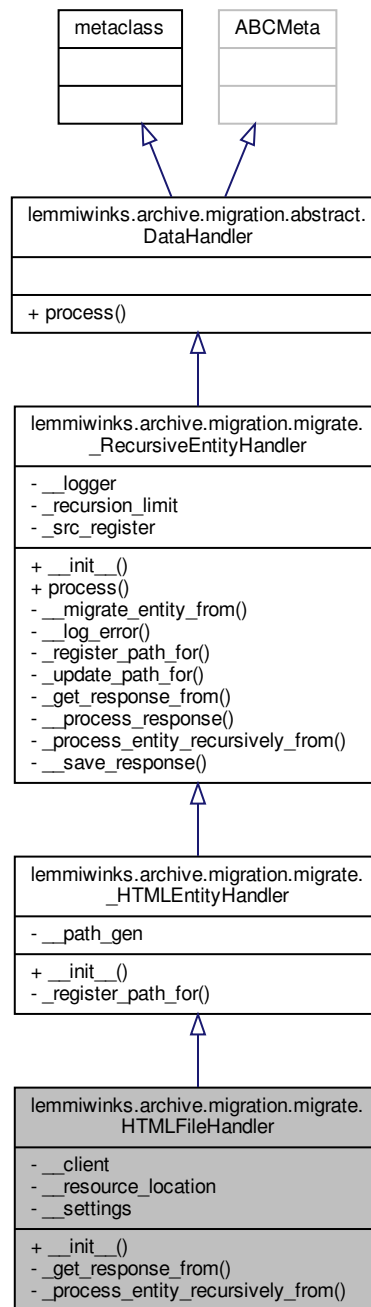
- `scrapit/tests/web/web.py`

9.60 lemmiwinks.archive.migration.migrate.HTMLFileHandler Class Reference

Inheritance diagram for lemmiwinks.archive.migration.migrate.HTMLFileHandler:



Collaboration diagram for lemmiwinks.archive.migration.migrate.HTMLFileHandler:



Public Member Functions

- def `__init__` (self, entity_property, settings)

Private Member Functions

- def `__get_response_from` (self, url)
- def `__process_entity_recursively_from` (self, response)

Private Attributes

- [__client](#)
- [__resource_location](#)
- [__settings](#)

9.60.1 Constructor & Destructor Documentation

9.60.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.HTMLFileHandler.__init__ (
    self,
    entity_property,
    settings )
```

Reimplemented from [lemmiwinks.archive.migration.migrate._HTMLEntityHandler](#).

9.60.2 Member Function Documentation

9.60.2.1 `_get_response_from()`

```
def lemmiwinks.archive.migration.migrate.HTMLFileHandler._get_response_from (
    self,
    url ) [private]
```

Reimplemented from [lemmiwinks.archive.migration.migrate._RecursiveEntityHandler](#).

9.60.2.2 `_process_entity_recursively_from()`

```
def lemmiwinks.archive.migration.migrate.HTMLFileHandler._process_entity_recursively_from (
    self,
    response ) [private]
```

Reimplemented from [lemmiwinks.archive.migration.migrate._RecursiveEntityHandler](#).

9.60.3 Member Data Documentation

9.60.3.1 `__client`

`lemmywinks.archive.migration.migrate.HTMLFileHandler.__client` [private]

9.60.3.2 `__resource_location`

`lemmywinks.archive.migration.migrate.HTMLFileHandler.__resource_location` [private]

9.60.3.3 `__settings`

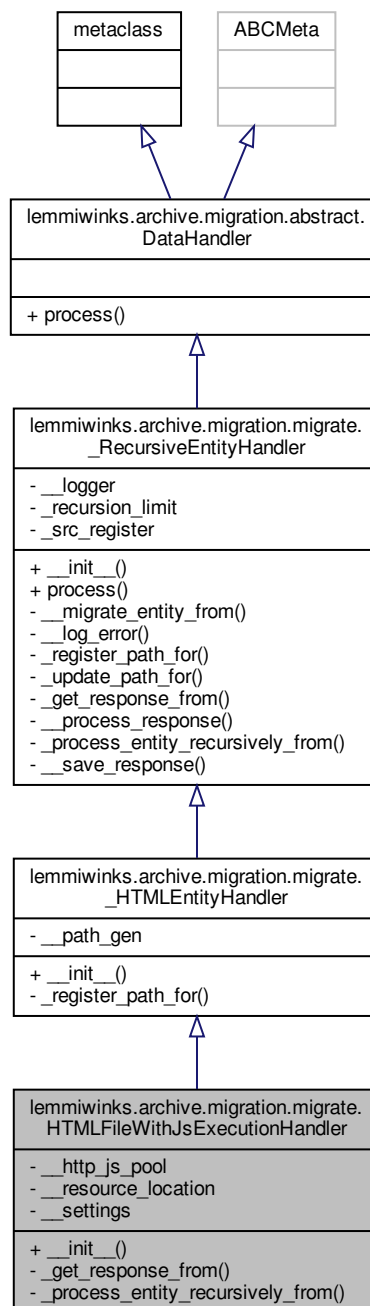
`lemmywinks.archive.migration.migrate.HTMLFileHandler.__settings` [private]

The documentation for this class was generated from the following file:

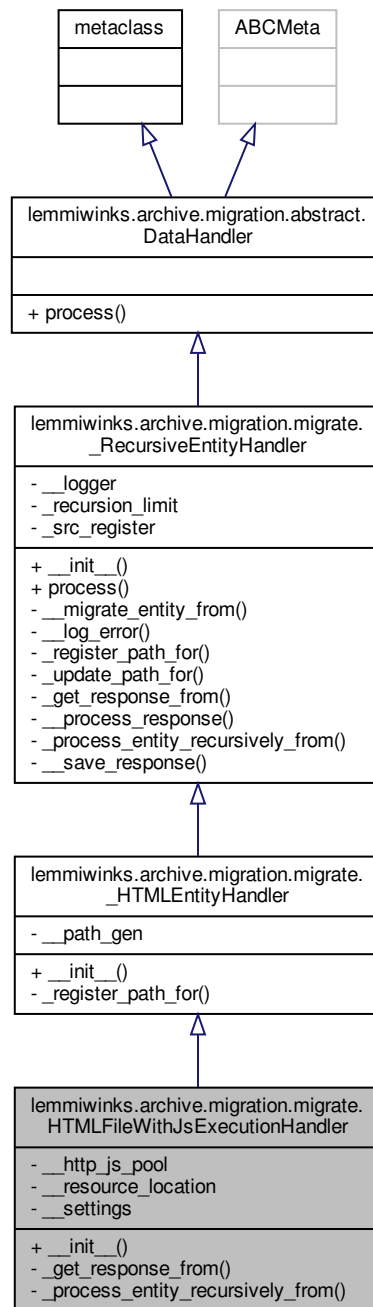
- [lemmy/lemmywinks/archive/migration/migrate.py](#)

9.61 lemmywinks.archive.migration.migrate.HTMLFileWithJsExecutionHandler Class Reference

Inheritance diagram for lemmywinks.archive.migration.migrate.HTMLFileWithJsExecutionHandler:



Collaboration diagram for lemmiwinks.archive.migration.migrate.HTMLFileWithJsExecutionHandler:



Public Member Functions

- def `__init__` (self, entity_property, settings)

Private Member Functions

- def `__get_response_from` (self, url)
- def `__process_entity_recursively_from` (self, response)

Private Attributes

- [__http_js_pool](#)
- [__resource_location](#)
- [__settings](#)

9.61.1 Constructor & Destructor Documentation

9.61.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.HTMLFileWithJsExecutionHandler.__init__ (
    self,
    entity_property,
    settings )
```

Reimplemented from [lemmiwinks.archive.migration.migrate._HTMLEntityHandler](#).

9.61.2 Member Function Documentation

9.61.2.1 `_get_response_from()`

```
def lemmiwinks.archive.migration.migrate.HTMLFileWithJsExecutionHandler._get_response_from (
    self,
    url ) [private]
```

Reimplemented from [lemmiwinks.archive.migration.migrate._RecursiveEntityHandler](#).

9.61.2.2 `_process_entity_recursively_from()`

```
def lemmiwinks.archive.migration.migrate.HTMLFileWithJsExecutionHandler._process_entity_↔
recursively_from (
    self,
    response ) [private]
```

Reimplemented from [lemmiwinks.archive.migration.migrate._RecursiveEntityHandler](#).

9.61.3 Member Data Documentation

9.61.3.1 `__http_js_pool`

`lemmywinks.archive.migration.migrate.HTMLFileWithJsExecutionHandler.__http_js_pool` [private]

9.61.3.2 `__resource_location`

`lemmywinks.archive.migration.migrate.HTMLFileWithJsExecutionHandler.__resource_location` [private]

9.61.3.3 `__settings`

`lemmywinks.archive.migration.migrate.HTMLFileWithJsExecutionHandler.__settings` [private]

The documentation for this class was generated from the following file:

- [lemmit/lemmywinks/archive/migration/migrate.py](#)

9.62 lemmywinks.archive.migration.container.HTMLFilter Class Reference

Collaboration diagram for `lemmywinks.archive.migration.container.HTMLFilter`:

lemmywinks.archive.migration.container. HTMLFilter
- <code>_filter_rules</code> - <code>_parser</code>
+ <code>__init__()</code> + <code>elements()</code> + <code>stylesheet_link()</code> + <code>js_script()</code> + <code>script()</code> + <code>elements_event()</code> + <code>style()</code> + <code>description_style()</code> + <code>frames()</code> - <code>__get_element_list_from()</code> - <code>__convert_to_list()</code> - <code>__get_depended_attribute()</code>

Public Member Functions

- def `__init__` (self, html_parser)
- def `elements` (self)
- def `stylesheet_link` (self)
- def `js_script` (self)
- def `script` (self)
- def `elements_event` (self)
- def `style` (self)
- def `description_style` (self)
- def `frames` (self)

Private Member Functions

- def `__get_element_list_from` (self, rules)
- def `__convert_to_list` (self, name, dict attrs)

Static Private Member Functions

- def `__get_depended_attribute` (attrs)

Private Attributes

- `_filter_rules`
- `_parser`

9.62.1 Constructor & Destructor Documentation

9.62.1.1 `__init__()`

```
def lemmiwinks.archive.migration.container.HTMLFilter.__init__ (  
    self,  
    html_parser )
```

9.62.2 Member Function Documentation

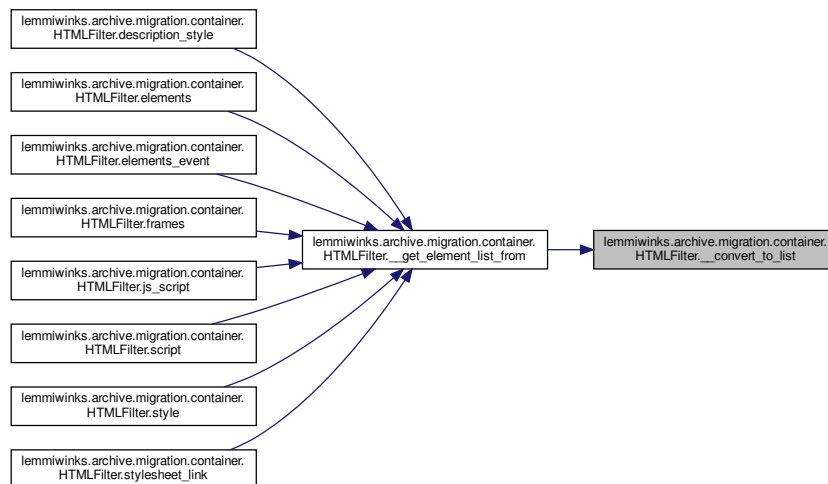
9.62.2.1 `__convert_to_list()`

```
def lemmiwinks.archive.migration.container.HTMLFilter.__convert_to_list (
    self,
    name,
    dict attrs ) [private]
```

Here is the call graph for this function:



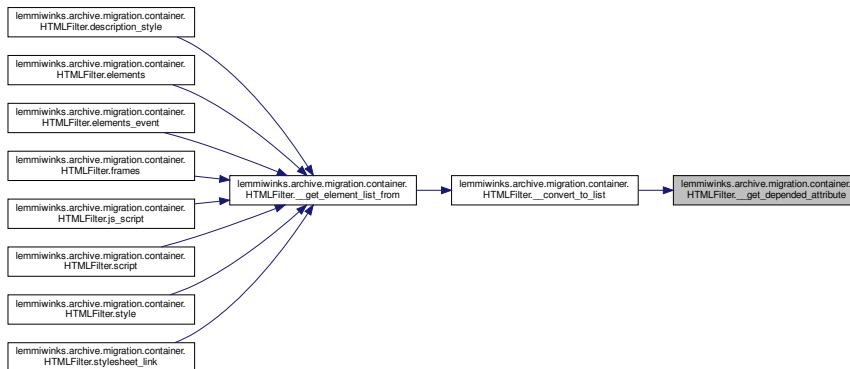
Here is the caller graph for this function:



9.62.2.2 `__get_depended_attribute()`

```
def lemmiwinks.archive.migration.container.HTMLFilter.__get_depended_attribute (
    attrs ) [static], [private]
```

Here is the caller graph for this function:

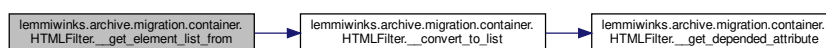


9.62.2.3 `__get_element_list_from()`

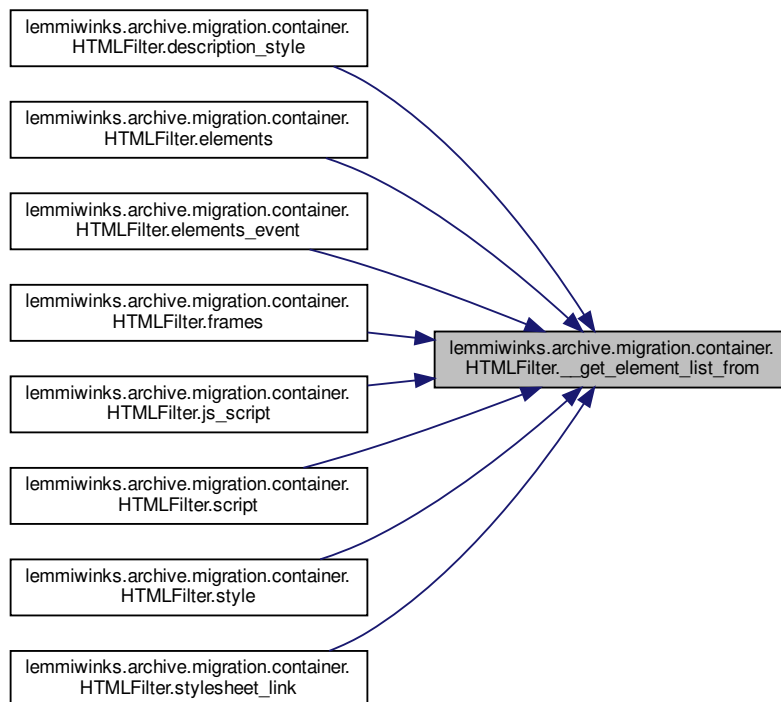
```

def lemmiwinks.archive.migration.container.HTMLFilter.__get_element_list_from (
    self,
    rules ) [private]
  
```

Here is the call graph for this function:



Here is the caller graph for this function:



9.62.2.4 description_style()

```
def lemmiwinks.archive.migration.container.HTMLFilter.description_style (
    self )
```

Here is the call graph for this function:



9.62.2.5 elements()

```
def lemmiwinks.archive.migration.container.HTMLFilter.elements (
    self )
```

Here is the call graph for this function:



9.62.2.6 elements_event()

```
def lemmiwinks.archive.migration.container.HTMLFilter.elements_event (
    self )
```

Here is the call graph for this function:



9.62.2.7 frames()

```
def lemmiwinks.archive.migration.container.HTMLFilter.frames (
    self )
```

Here is the call graph for this function:



9.62.2.8 js_script()

```
def lemmiwinks.archive.migration.container.HTMLFilter.js_script (
    self )
```

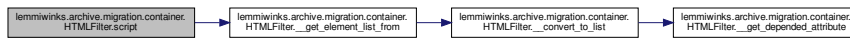
Here is the call graph for this function:



9.62.2.9 script()

```
def lemmiwinks.archive.migration.container.HTMLFilter.script (
    self )
```

Here is the call graph for this function:



9.62.2.10 style()

```
def lemmiwinks.archive.migration.container.HTMLFilter.style (
    self )
```

Here is the call graph for this function:



9.62.2.11 stylesheet_link()

```
def lemmiwinks.archive.migration.container.HTMLFilter.stylesheet_link (
    self )
```

Here is the call graph for this function:



9.62.3 Member Data Documentation

9.62.3.1 _filter_rules

```
lemmiwinks.archive.migration.container.HTMLFilter._filter_rules [private]
```

9.62.3.2 `_parser`

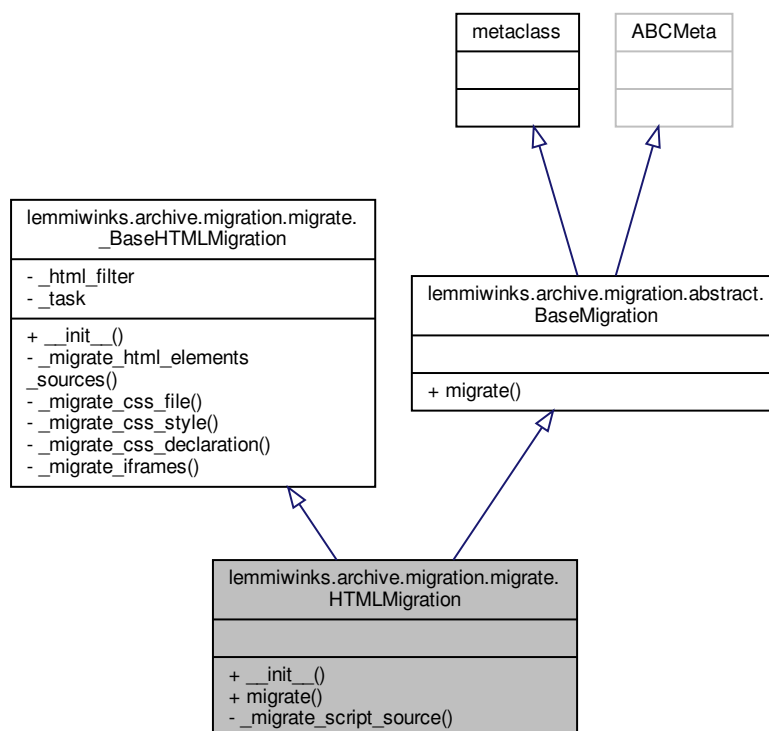
`lemmiwinks.archive.migration.container.HTMLFilter._parser` [private]

The documentation for this class was generated from the following file:

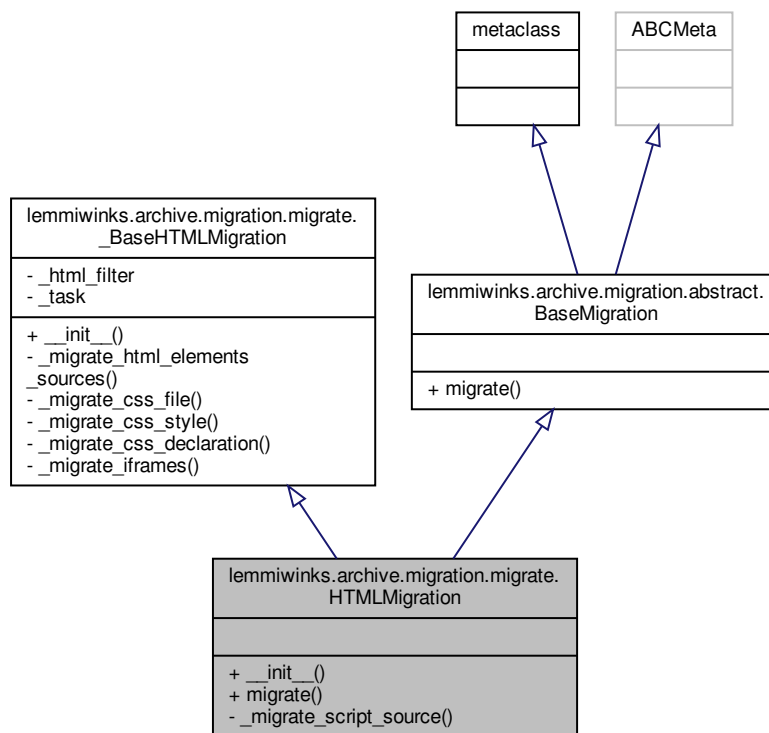
- [lemmit/lemmiwinks/archive/migration/container.py](#)

9.63 `lemmiwinks.archive.migration.migrate.HTMLMigration` Class Reference

Inheritance diagram for `lemmiwinks.archive.migration.migrate.HTMLMigration`:



Collaboration diagram for lemmiwinks.archive.migration.migrate.HTMLMigration:



Public Member Functions

- def `__init__` (self, index_entity, settings)
- def `migrate` (self)

Private Member Functions

- def `_migrate_script_source` (self)

9.63.1 Constructor & Destructor Documentation

9.63.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.HTMLMigration.__init__(
    self,
    index_entity,
    settings )
```

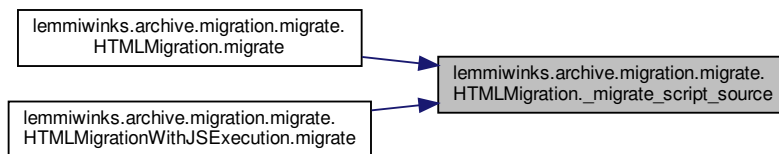
Reimplemented from [lemmiwinks.archive.migration.migrate._BaseHTMLMigration](#).

9.63.2 Member Function Documentation

9.63.2.1 `_migrate_script_source()`

```
def lemmiwinks.archive.migration.migrate.HTMLMigration._migrate_script_source (
    self ) [private]
```

Here is the caller graph for this function:

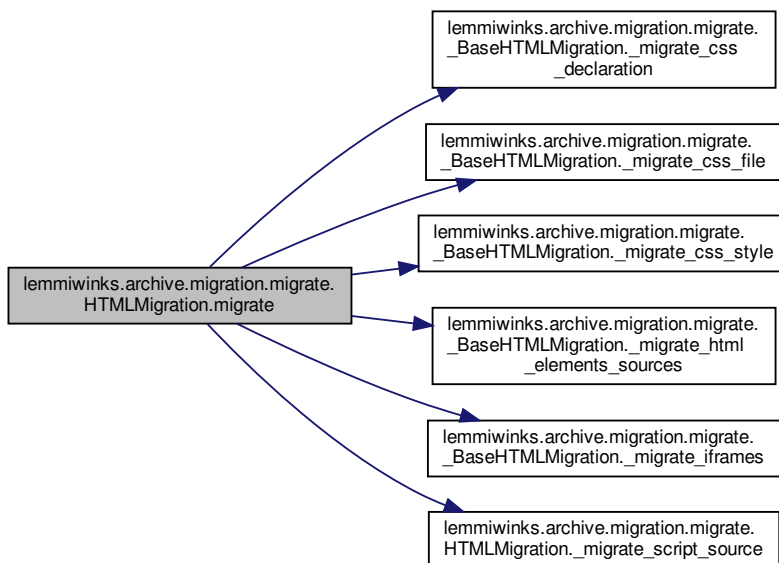


9.63.2.2 `migrate()`

```
def lemmiwinks.archive.migration.migrate.HTMLMigration.migrate (
    self )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.BaseMigration](#).

Here is the call graph for this function:

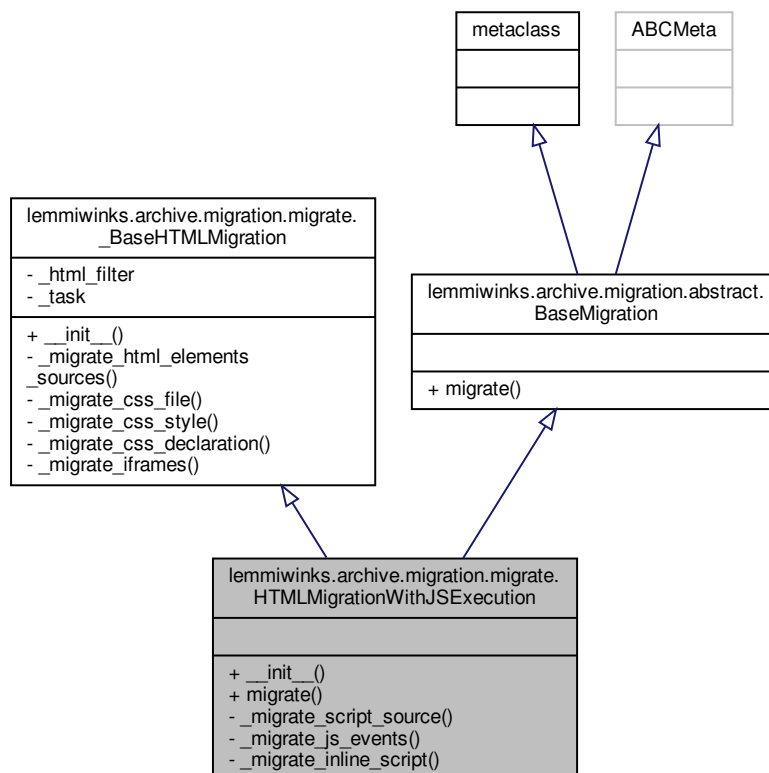


The documentation for this class was generated from the following file:

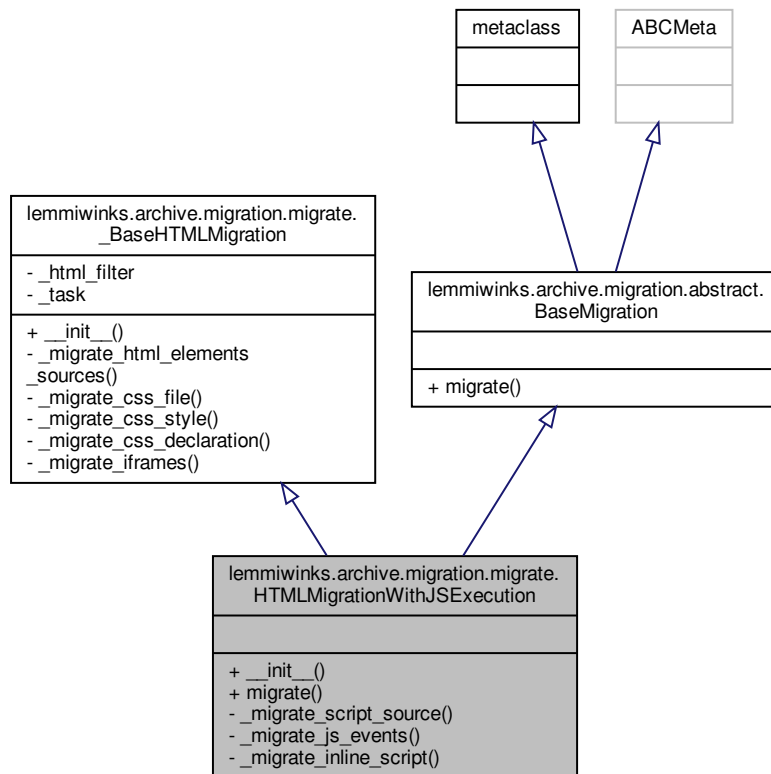
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.64 lemmiwinks.archive.migration.migrate.HTMLMigrationWithJSEExecution Class Reference

Inheritance diagram for lemmiwinks.archive.migration.migrate.HTMLMigrationWithJSEExecution:



Collaboration diagram for `lemmiwinks.archive.migration.migrate.HTMLMigrationWithJSExecution`:



Public Member Functions

- def `__init__` (self, index_entity, settings)
- def `migrate` (self)

Private Member Functions

- def `_migrate_script_source` (self)
- def `_migrate_js_events` (self)
- def `_migrate_inline_script` (self)

9.64.1 Constructor & Destructor Documentation

9.64.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.HTMLMigrationWithJSExecution.__init__ (
    self,
    index_entity,
    settings )
```

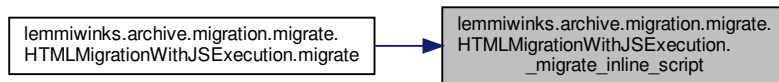
Reimplemented from [lemmiwinks.archive.migration.migrate._BaseHTMLMigration](#).

9.64.2 Member Function Documentation

9.64.2.1 `_migrate_inline_script()`

```
def lemmywinks.archive.migration.migrate.HTMLMigrationWithJSEExecution._migrate_inline_script (
    self ) [private]
```

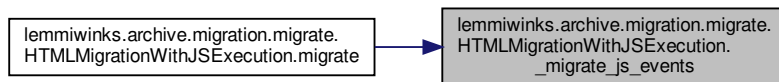
Here is the caller graph for this function:



9.64.2.2 `_migrate_js_events()`

```
def lemmywinks.archive.migration.migrate.HTMLMigrationWithJSEExecution._migrate_js_events (
    self ) [private]
```

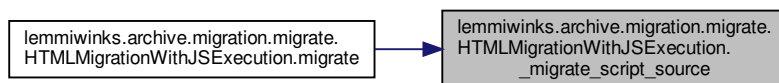
Here is the caller graph for this function:



9.64.2.3 `_migrate_script_source()`

```
def lemmywinks.archive.migration.migrate.HTMLMigrationWithJSEExecution._migrate_script_source (
    self ) [private]
```

Here is the caller graph for this function:

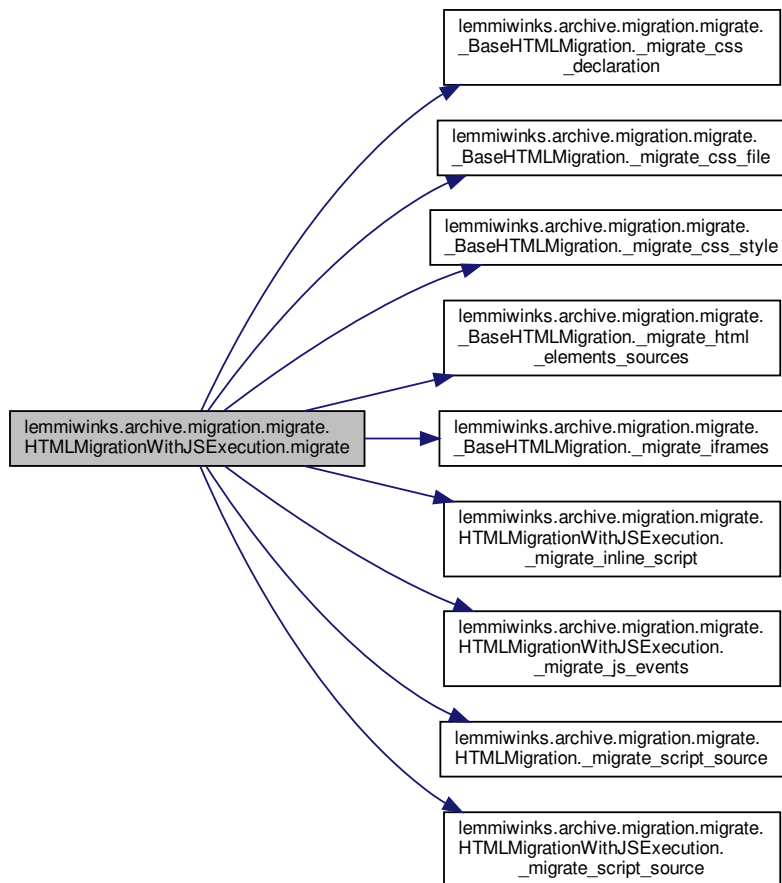


9.64.2.4 migrate()

```
def lemmiwinks.archive.migration.migrate.HTMLMigrationWithJSExecution.migrate (
    self )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.BaseMigration](#).

Here is the call graph for this function:

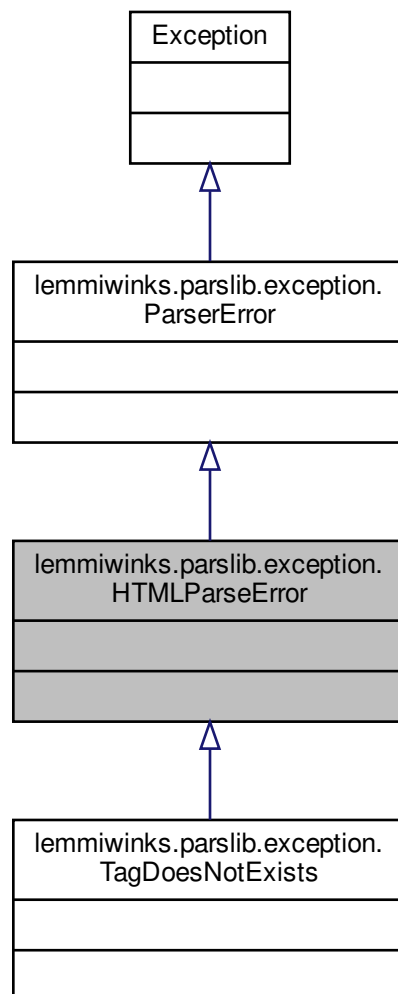


The documentation for this class was generated from the following file:

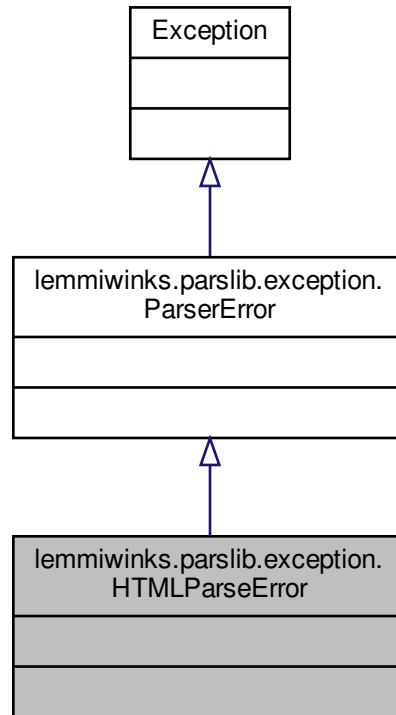
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.65 lemmiwinks.parslib.exception.HTMLParseError Class Reference

Inheritance diagram for lemmiwinks.parslib.exception.HTMLParseError:



Collaboration diagram for `lemmiwinks.parslib.exception.HTMLParseError`:

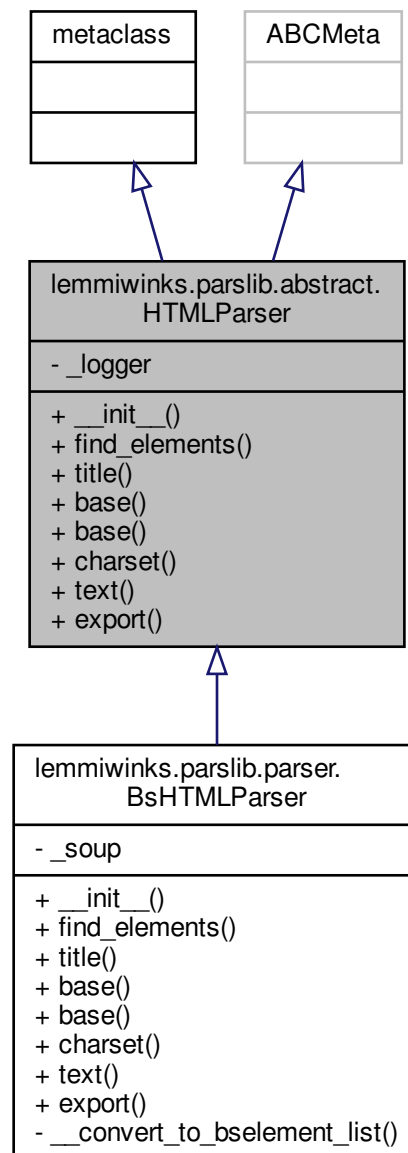


The documentation for this class was generated from the following file:

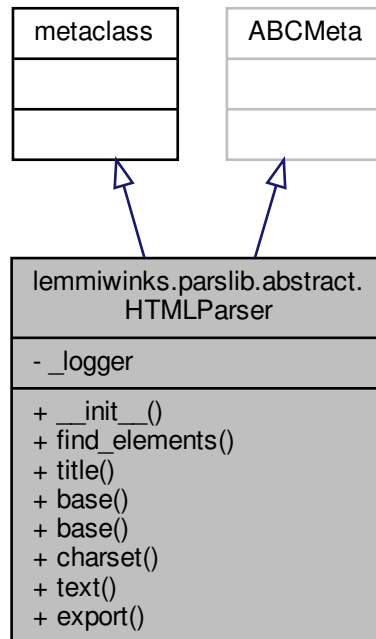
- [lemmit/lemmiwinks/parslib/exception.py](#)

9.66 lemmiwinks.parslib.abstract.HTMLParser Class Reference

Inheritance diagram for lemmiwinks.parslib.abstract.HTMLParser:



Collaboration diagram for `lemmiwinks.parslib.abstract.HTMLParser`:



Public Member Functions

- `def __init__ (self, logger_name)`
- `def find_elements (self, tag, attribute)`
- `def title (self)`
- `def base (self)`
- `def base (self)`
- `def charset (self)`
- `def text (self)`
- `def export (self)`

Private Attributes

- `_logger`

9.66.1 Constructor & Destructor Documentation

9.66.1.1 `__init__()`

```
def lemmiwinks.parslib.abstract.HTMLParser.__init__ (
    self,
    logger_name )
```

Reimplemented in [lemmiwinks.parslib.parser.BsHTMLParser](#).

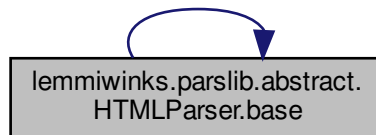
9.66.2 Member Function Documentation

9.66.2.1 `base()` [1/2]

```
def lemmiwinks.parslib.abstract.HTMLParser.base (
    self )
```

Reimplemented in [lemmiwinks.parslib.parser.BsHTMLParser](#), and [lemmiwinks.parslib.parser.BsHTMLParser](#).

Here is the caller graph for this function:

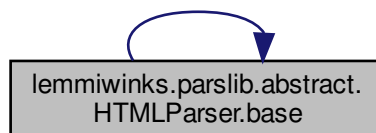


9.66.2.2 `base()` [2/2]

```
def lemmiwinks.parslib.abstract.HTMLParser.base (
    self )
```

Reimplemented in [lemmiwinks.parslib.parser.BsHTMLParser](#), and [lemmiwinks.parslib.parser.BsHTMLParser](#).

Here is the call graph for this function:



9.66.2.3 charset()

```
def lemmiwinks.parslib.abstract.HTMLParser.charset (
    self )
```

Reimplemented in [lemmiwinks.parslib.parser.BsHTMLParser](#).

9.66.2.4 export()

```
def lemmiwinks.parslib.abstract.HTMLParser.export (
    self )
```

Reimplemented in [lemmiwinks.parslib.parser.BsHTMLParser](#).

9.66.2.5 find_elements()

```
def lemmiwinks.parslib.abstract.HTMLParser.find_elements (
    self,
    tag,
    attribute )
```

9.66.2.6 text()

```
def lemmiwinks.parslib.abstract.HTMLParser.text (
    self )
```

Reimplemented in [lemmiwinks.parslib.parser.BsHTMLParser](#).

9.66.2.7 title()

```
def lemmiwinks.parslib.abstract.HTMLParser.title (
    self )
```

Reimplemented in [lemmiwinks.parslib.parser.BsHTMLParser](#).

9.66.3 Member Data Documentation

9.66.3.1 `_logger`

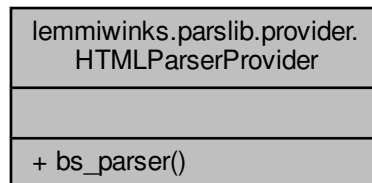
`lemmiwinks.parslib.abstract.HTMLParser._logger` [private]

The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/parslib/abstract.py](#)

9.67 lemmiwinks.parslib.provider.HTMLParserProvider Class Reference

Collaboration diagram for `lemmiwinks.parslib.provider.HTMLParserProvider`:



Public Member Functions

- def `bs_parser` (`cls`, `data`)

9.67.1 Member Function Documentation

9.67.1.1 `bs_parser()`

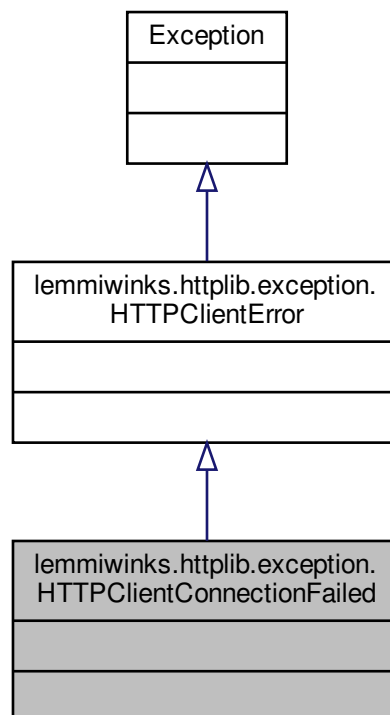
```
def lemmiwinks.parslib.provider.HTMLParserProvider.bs_parser (
    cls,
    data )
```

The documentation for this class was generated from the following file:

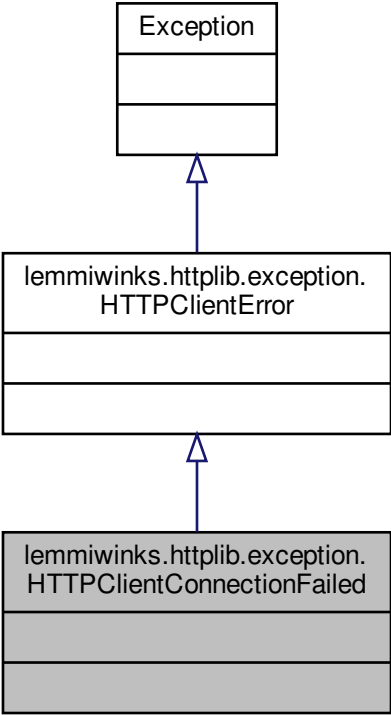
- [lemmit/lemmiwinks/parslib/provider.py](#)

9.68 lemmiwinks.httplib.exception.HTTPClientConnectionFailed Class Reference

Inheritance diagram for lemmiwinks.httplib.exception.HTTPClientConnectionFailed:



Collaboration diagram for lemmiwinks.httplib.exception.HTTPClientConnectionFailed:



The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/httplib/exception.py](#)

9.69 lemmywinks.httplib.provider.HTTPClientDownloader Class Reference

Collaboration diagram for lemmywinks.httplib.provider.HTTPClientDownloader:

lemmywinks.httplib.provider. HTTPClientDownloader
- <code>_logger</code> - <code>__http_client</code>
+ <code>__init__()</code> + <code>download()</code> - <code>__save_response_content_to()</code>

Public Member Functions

- def `__init__` (self, [object](#) http_client)
- None `download` (self, str url, str dst)

Static Private Member Functions

- def `__save_response_content_to` (response, destination)

Private Attributes

- `_logger`
- `__http_client`

9.69.1 Constructor & Destructor Documentation

9.69.1.1 `__init__()`

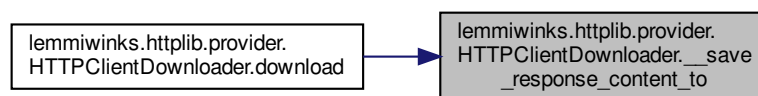
```
def lemmywinks.httplib.provider.HTTPClientDownloader.__init__ (
    self,
    object http_client )
```

9.69.2 Member Function Documentation

9.69.2.1 `__save_response_content_to()`

```
def lemmiwinks.httplib.provider.HTTPClientDownloader.__save_response_content_to (
    response,
    destination ) [static], [private]
```

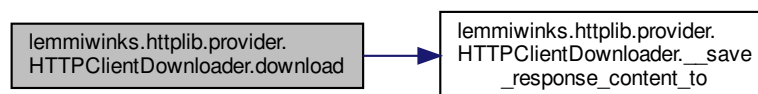
Here is the caller graph for this function:



9.69.2.2 `download()`

```
None lemmiwinks.httplib.provider.HTTPClientDownloader.download (
    self,
    str url,
    str dst )
```

Here is the call graph for this function:



9.69.3 Member Data Documentation

9.69.3.1 `__http_client`

```
lemmiwinks.httplib.provider.HTTPClientDownloader.__http_client [private]
```


9.69.3.2 `_logger`

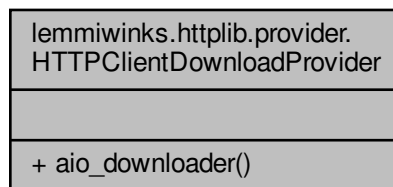
`lemmiwinks.httplib.provider.HTTPClientDownloader._logger` [private]

The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/httplib/provider.py](#)

9.70 `lemmiwinks.httplib.provider.HTTPClientDownloadProvider` Class Reference

Collaboration diagram for `lemmiwinks.httplib.provider.HTTPClientDownloadProvider`:



Static Public Member Functions

- def [aio_downloader](#) ()

9.70.1 Member Function Documentation

9.70.1.1 `aio_downloader()`

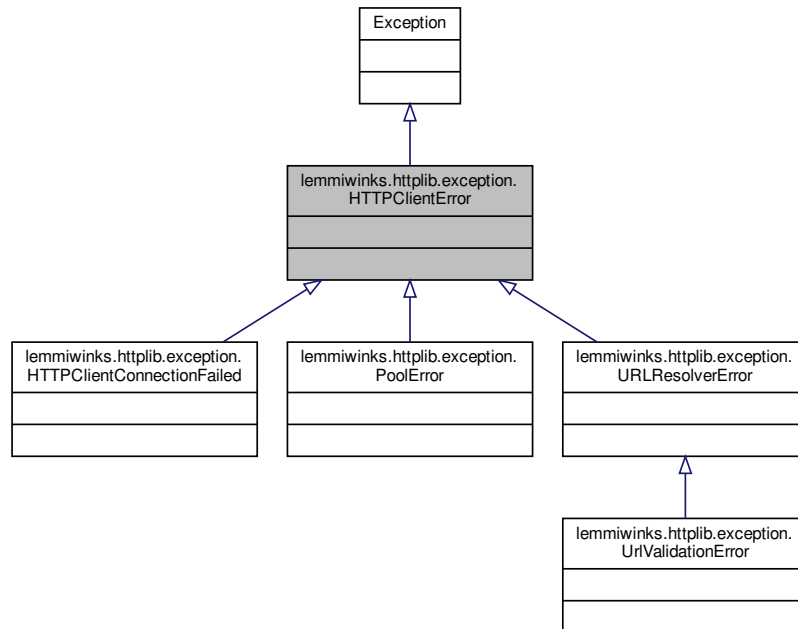
`def lemmiwinks.httplib.provider.HTTPClientDownloadProvider.aio_downloader ()` [static]

The documentation for this class was generated from the following file:

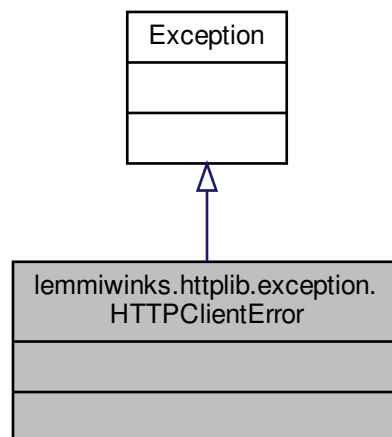
- [lemmit/lemmiwinks/httplib/provider.py](#)

9.71 lemmywinks.httplib.exception.HTTPClientError Class Reference

Inheritance diagram for lemmywinks.httplib.exception.HTTPClientError:



Collaboration diagram for lemmywinks.httplib.exception.HTTPClientError:

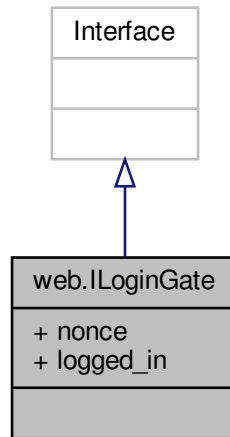


The documentation for this class was generated from the following file:

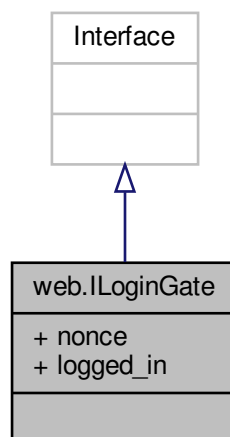
- [lemmit/lemmywinks/httplib/exception.py](#)

9.72 web.ILoginGate Class Reference

Inheritance diagram for web.ILoginGate:



Collaboration diagram for web.ILoginGate:



Static Public Attributes

- `nonce` = Attribute("random nonce")
- `logged_in` = Attribute("true if successfully logged in")

9.72.1 Member Data Documentation

9.72.1.1 logged_in

```
web.ILoginGate.logged_in = Attribute("true if successfully logged in") [static]
```

9.72.1.2 nonce

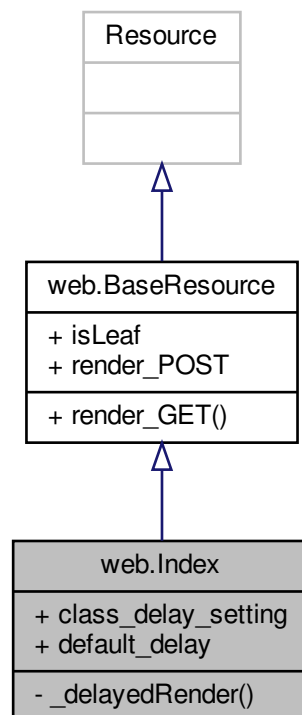
```
web.ILoginGate.nonce = Attribute("random nonce") [static]
```

The documentation for this class was generated from the following file:

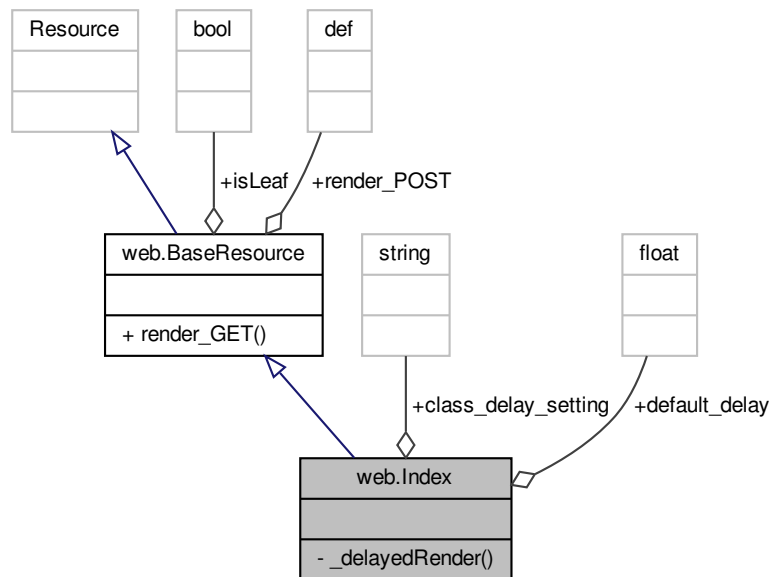
- [scrapit/tests/web/web.py](#)

9.73 web.Index Class Reference

Inheritance diagram for web.Index:



Collaboration diagram for web.Index:



Static Public Attributes

- string `class_delay_setting` = 'SPEED_INDEX_T_RESPONSE'
- float `default_delay` = 0.5

Private Member Functions

- def `_delayedRender` (self, request, settings)

Additional Inherited Members

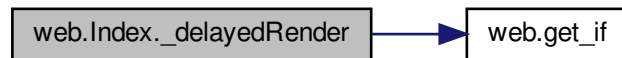
9.73.1 Member Function Documentation

9.73.1.1 `_delayedRender()`

```

def web.Index._delayedRender (
    self,
    request,
    settings ) [private]
  
```

Here is the call graph for this function:



Here is the caller graph for this function:



9.73.2 Member Data Documentation

9.73.2.1 class_delay_setting

```
string web.Index.class_delay_setting = 'SPEED_INDEX_T_RESPONSE' [static]
```

9.73.2.2 default_delay

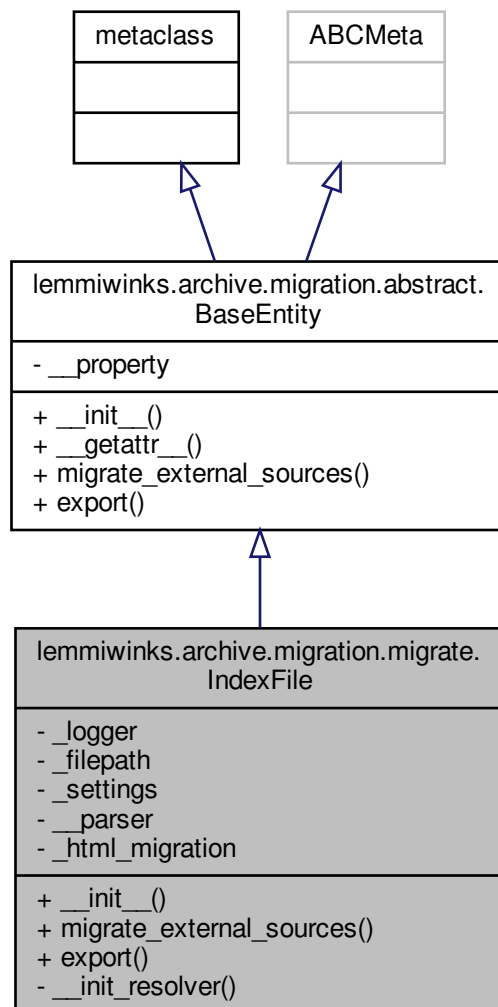
```
float web.Index.default_delay = 0.5 [static]
```

The documentation for this class was generated from the following file:

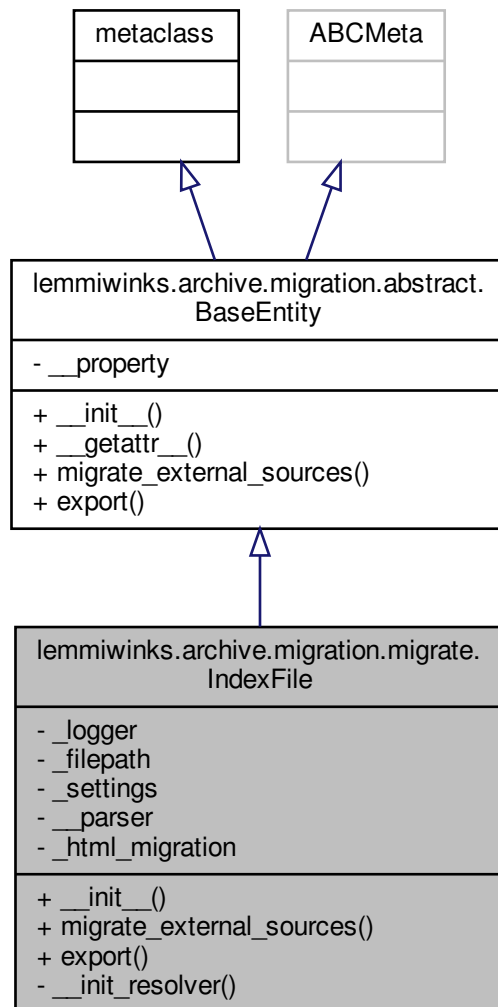
- [scrapit/tests/web/web.py](#)

9.74 lemmywinks.archive.migration.migrate.IndexFile Class Reference

Inheritance diagram for lemmywinks.archive.migration.migrate.IndexFile:



Collaboration diagram for lemmiwinks.archive.migration.migrate.IndexFile:



Public Member Functions

- def `__init__` (self, response, filepath, res_location, settings, migration, recursion_limit=3)
- def `migrate_external_sources` (self)
- def `export` (self)

Private Member Functions

- def `__init_resolver` (self, url)

Private Attributes

- [_logger](#)
- [_filepath](#)
- [_settings](#)
- [_parser](#)
- [_html_migration](#)

9.74.1 Constructor & Destructor Documentation

9.74.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.IndexFile.__init__ (
    self,
    response,
    filepath,
    res_location,
    settings,
    migration,
    recursion_limit = 3 )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.BaseEntity](#).

9.74.2 Member Function Documentation

9.74.2.1 `__init_resolver()`

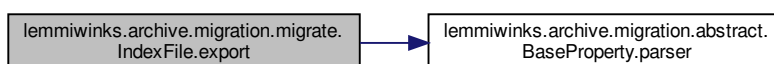
```
def lemmiwinks.archive.migration.migrate.IndexFile.__init_resolver (
    self,
    url ) [private]
```

9.74.2.2 `export()`

```
def lemmiwinks.archive.migration.migrate.IndexFile.export (
    self )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.BaseEntity](#).

Here is the call graph for this function:



9.74.2.3 migrate_external_sources()

```
def lemmiwinks.archive.migration.migrate.IndexFile.migrate_external_sources (
    self )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.BaseEntity](#).

9.74.3 Member Data Documentation

9.74.3.1 __parser

```
lemmiwinks.archive.migration.migrate.IndexFile.__parser [private]
```

9.74.3.2 _filepath

```
lemmiwinks.archive.migration.migrate.IndexFile._filepath [private]
```

9.74.3.3 _html_migration

```
lemmiwinks.archive.migration.migrate.IndexFile._html_migration [private]
```

9.74.3.4 _logger

```
lemmiwinks.archive.migration.migrate.IndexFile._logger [private]
```

9.74.3.5 _settings

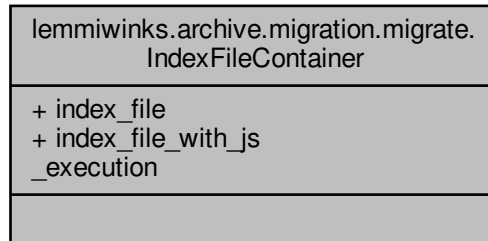
```
lemmiwinks.archive.migration.migrate.IndexFile._settings [private]
```

The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.75 lemmiwinks.archive.migration.migrate.IndexFileContainer Class Reference

Collaboration diagram for lemmiwinks.archive.migration.migrate.IndexFileContainer:



Static Public Attributes

- [index_file](#) = di_provider.Factory([IndexFile](#), migration=[HTMLMigration](#))
- [index_file_with_js_execution](#)

9.75.1 Member Data Documentation

9.75.1.1 index_file

```
lemmiwinks.archive.migration.migrate.IndexFileContainer.index_file = di_provider.Factory(IndexFile, migration=HTMLMigration) [static]
```

9.75.1.2 index_file_with_js_execution

```
lemmiwinks.archive.migration.migrate.IndexFileContainer.index_file_with_js_execution [static]
```

Initial value:

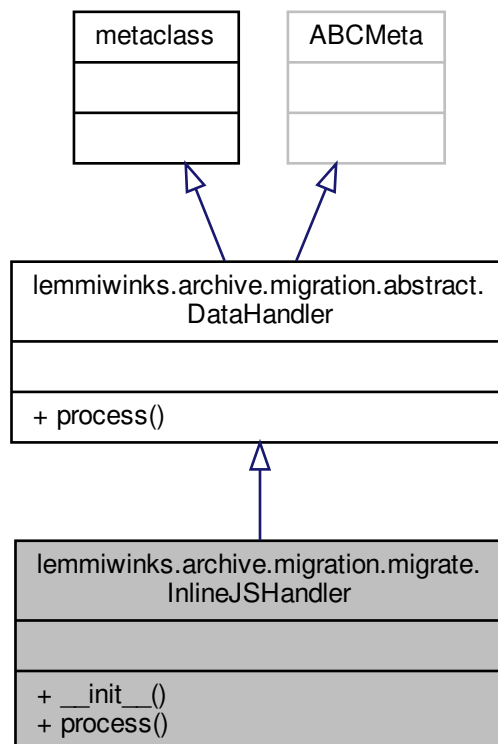
```
= di_provider.Factory(  
    IndexFile, migration=HTMLMigrationWithJSExecution)
```

The documentation for this class was generated from the following file:

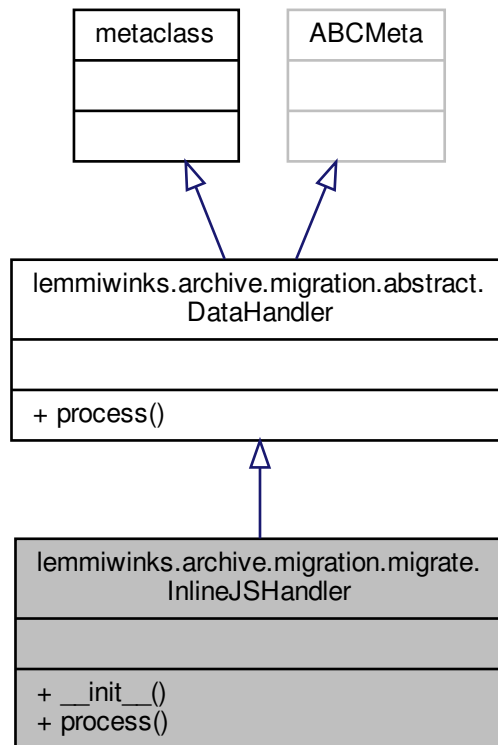
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.76 lemmywinks.archive.migration.migrate.InlineJSHandler Class Reference

Inheritance diagram for lemmywinks.archive.migration.migrate.InlineJSHandler:



Collaboration diagram for `lemmiwinks.archive.migration.migrate.InlineJSHandler`:



Public Member Functions

- `def __init__(self)`
- `def process(self, data)`

9.76.1 Constructor & Destructor Documentation

9.76.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.InlineJSHandler.__init__(
    self )
```

9.76.2 Member Function Documentation

9.76.2.1 process()

```
def lemmywinks.archive.migration.migrate.InlineJSHandler.process (
    self,
    data )
```

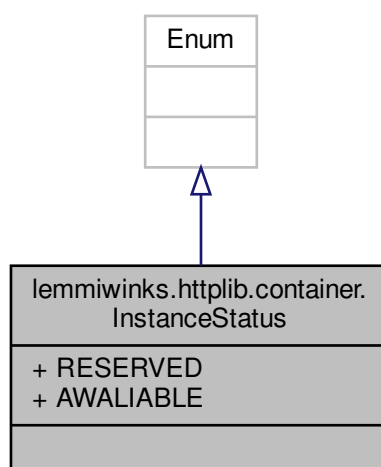
Reimplemented from [lemmywinks.archive.migration.abstract.DataHandler](#).

The documentation for this class was generated from the following file:

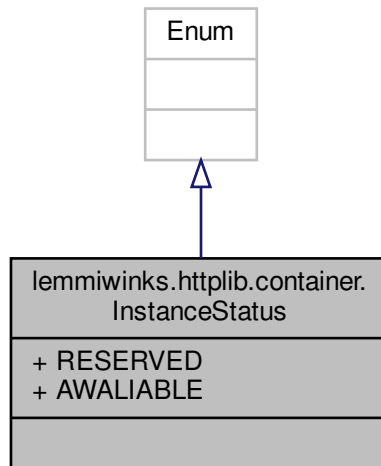
- [lemmit/lemmywinks/archive/migration/migrate.py](#)

9.77 lemmywinks.httplib.container.InstanceStatus Class Reference

Inheritance diagram for lemmywinks.httplib.container.InstanceStatus:



Collaboration diagram for `lemmiwinks.httplib.container.InstanceStatus`:



Static Public Attributes

- [RESERVED](#) = `enum.auto()`
- [AWALIABLE](#) = `enum.auto()`

9.77.1 Member Data Documentation

9.77.1.1 AWALIABLE

```
lemmiwinks.httplib.container.InstanceStatus.AWALIABLE = enum.auto() [static]
```

9.77.1.2 RESERVED

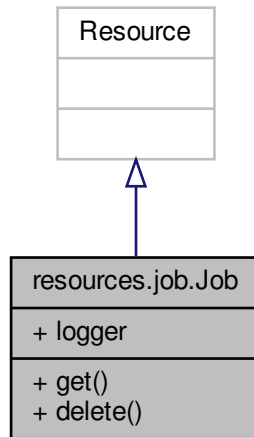
```
lemmiwinks.httplib.container.InstanceStatus.RESERVED = enum.auto() [static]
```

The documentation for this class was generated from the following file:

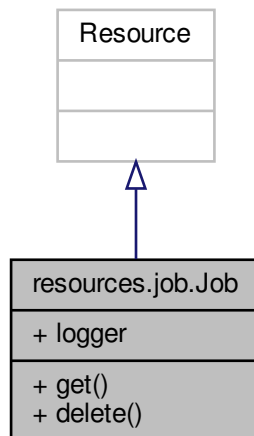
- [lemmit/lemmiwinks/httplib/container.py](#)

9.78 resources.job.Job Class Reference

Inheritance diagram for resources.job.Job:



Collaboration diagram for resources.job.Job:



Public Member Functions

- def `get` (self, job)
- def `delete` (self, job)

Static Public Attributes

- `logger = Logger.get_logger('Job')`

9.78.1 Detailed Description

Class for manipulating with a single job

9.78.2 Member Function Documentation

9.78.2.1 delete()

```
def resources.job.Job.delete (
    self,
    job )
```

Deletes particular job.

If the job does not exist, return not found.

9.78.2.2 get()

```
def resources.job.Job.get (
    self,
    job )
```

Gets status of particular job.

Status might be:

<code>ProcessStatus.UNKNOWN_PROCESS</code>	- process with that name does not exist.
<code>ProcessStatus.IN_PROGRESS</code>	- process is running.
<code>ProcessStatus.DONE</code>	- process is completed.

9.78.3 Member Data Documentation

9.78.3.1 logger

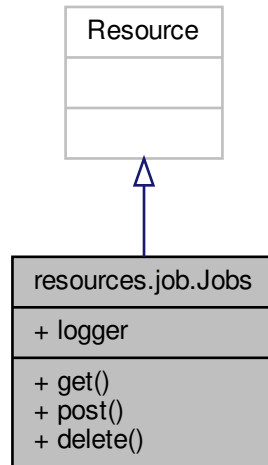
```
resources.job.Job.logger = Logger.get_logger('Job') [static]
```

The documentation for this class was generated from the following file:

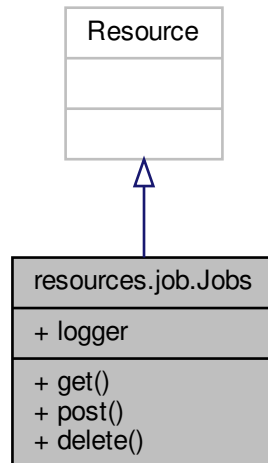
- `scrapit/api/resources/job.py`

9.79 resources.job.Jobs Class Reference

Inheritance diagram for resources.job.Jobs:



Collaboration diagram for resources.job.Jobs:



Public Member Functions

- def `get` (self)
- def `post` (self, job=None)
- def `delete` (self)

Static Public Attributes

- `logger = Logger.get_logger('Jobs')`

9.79.1 Detailed Description

Class for manipulating with all running jobs.

9.79.2 Member Function Documentation

9.79.2.1 delete()

```
def resources.job.Jobs.delete (  
    self )
```

Deletes all running jobs

9.79.2.2 get()

```
def resources.job.Jobs.get (  
    self )
```

Retrieves names of all running jobs.

Here is the call graph for this function:



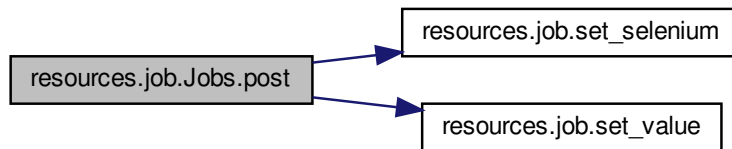
9.79.2.3 post()

```
def resources.job.Jobs.post (
    self,
    job = None )
```

Creates new job - starts new process.

If the job is already running, return message about duplicate.
Incoming JSON has to contain name of new job and name of scrapy spider to run.

Here is the call graph for this function:



9.79.3 Member Data Documentation

9.79.3.1 logger

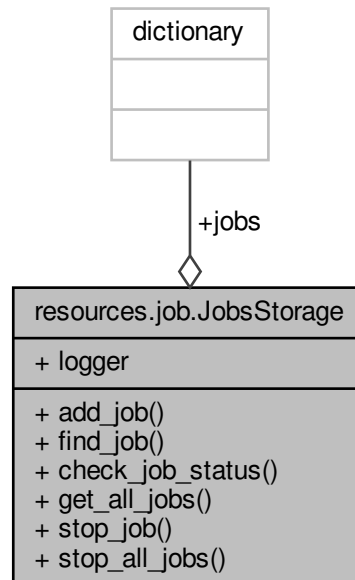
```
resources.job.Jobs.logger = Logger.getLogger\('Jobs'\) [static]
```

The documentation for this class was generated from the following file:

- [scrapit/api/resources/job.py](#)

9.80 resources.job.JobsStorage Class Reference

Collaboration diagram for resources.job.JobsStorage:



Static Public Member Functions

- [ProcessStatus add_job](#) (str job_name, subprocess.Popen job_process)
- bool [find_job](#) (str job_name)
- ([ProcessStatus](#), int) [check_job_status](#) (str job_name)
- list [get_all_jobs](#) ()
- [ProcessStatus stop_job](#) (str job_name)
- def [stop_all_jobs](#) ()

Static Public Attributes

- `logger = Logger.get_logger\('JobsStorage'\)`
- `dictionary jobs = {}`

9.80.1 Detailed Description

Class for job logic. Saves and manipulates particular job.

Class variables:

```
jobs: Dict storage of processes.
```

JobsStorage supports operations for:

```
Inserting a new job,
finding job with particular name,
checking status of existing job,
getting names of all running jobs,
stopping the running job,
stopping of all running jobs.
```

9.80.2 Member Function Documentation

9.80.2.1 add_job()

```
ProcessStatus resources.job.JobsStorage.add_job (  
    str job_name,  
    subprocess.Popen job_process ) [static]
```

Inserts a new job into the storage.

If there is some process with the same name, replace it.
It is responsibility for user to check, if there is a job with the same name.

Args:

job_name: Name of newly created job.
job_process: Instance of subprocess.

Returns:

Result of add operation.

9.80.2.2 check_job_status()

```
(ProcessStatus, int) resources.job.JobsStorage.check_job_status (  
    str job_name ) [static]
```

Checks status of existing job.

Status might be:

ProcessStatus.UNKNOWN_PROCESS - process with that name does not exist.
ProcessStatus.IN_PROGRESS - process is running.
ProcessStatus.DONE - process is completed.

Args:

job_name: Name of a job to check.

Returns:

Job status and return code if job has ended.

9.80.2.3 find_job()

```
bool resources.job.JobsStorage.find_job (  
    str job_name ) [static]
```

Finds a running job.

Args:

job_name: Name of running job.

Returns:

True if the job is running, False otherwise.

9.80.2.4 get_all_jobs()

```
list resources.job.JobsStorage.get_all_jobs ( ) [static]
```

Gets names of all running jobs.

Returns:

List of names of all running jobs.

9.80.2.5 stop_all_jobs()

```
def resources.job.JobsStorage.stop_all_jobs ( ) [static]
```

Stops all running jobs.

9.80.2.6 stop_job()

```
ProcessStatus resources.job.JobsStorage.stop_job (
    str job_name ) [static]
```

Stops the running job.

Returns:

ProcessStatus.UNKNOWN_PROCESS if the job does not exist,
ProcessStatus.DONE otherwise.

9.80.3 Member Data Documentation

9.80.3.1 jobs

```
dictionary resources.job.JobsStorage.jobs = {} [static]
```

9.80.3.2 logger

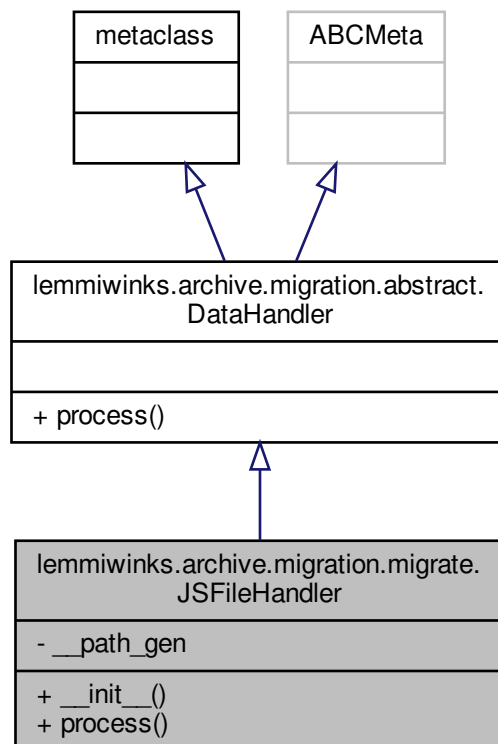
```
resources.job.JobsStorage.logger = Logger.get_logger('JobsStorage') [static]
```

The documentation for this class was generated from the following file:

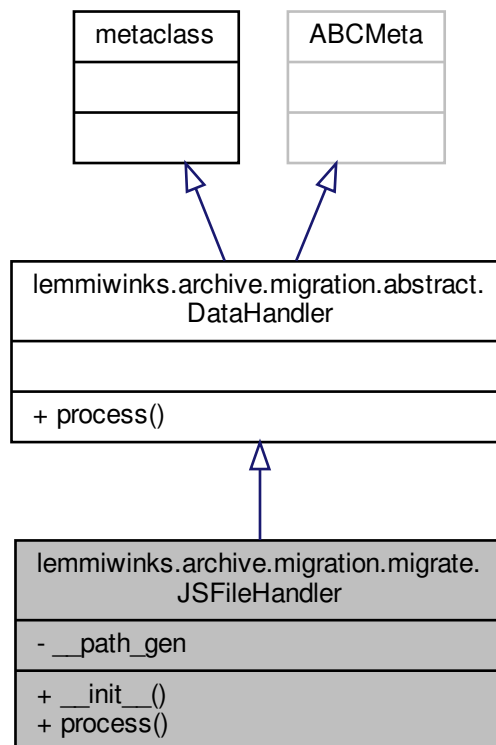
- [scrapit/api/resources/job.py](#)

9.81 lemmywinks.archive.migration.migrate.JSFileHandler Class Reference

Inheritance diagram for lemmywinks.archive.migration.migrate.JSFileHandler:



Collaboration diagram for `lemmiwinks.archive.migration.migrate.JSFileHandler`:



Public Member Functions

- `def __init__(self, entity_property)`
- `def process(self, data)`

Private Attributes

- `__path_gen`

9.81.1 Constructor & Destructor Documentation

9.81.1.1 `__init__()`

```

def lemmiwinks.archive.migration.migrate.JSFileHandler.__init__(
    self,
    entity_property )
  
```

9.81.2 Member Function Documentation

9.81.2.1 process()

```
def lemmiwinks.archive.migration.migrate.JSFileHandler.process (
    self,
    data )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.DataHandler](#).

9.81.3 Member Data Documentation

9.81.3.1 __path_gen

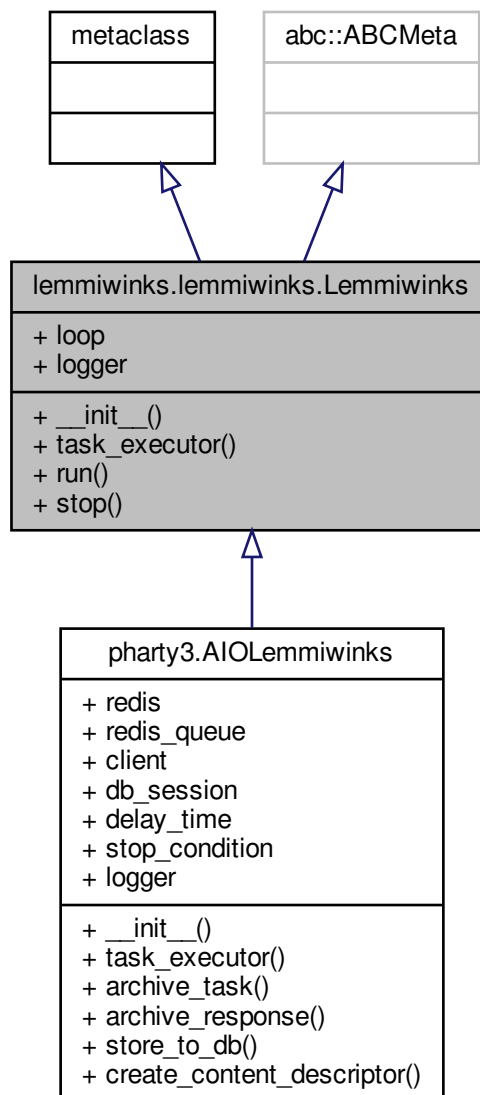
```
lemmiwinks.archive.migration.migrate.JSFileHandler.__path_gen [private]
```

The documentation for this class was generated from the following file:

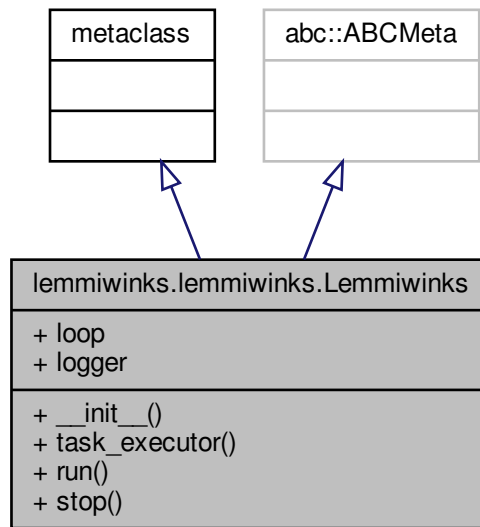
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.82 lemmiwinks.lemmiwinks.Lemmiwinks Class Reference

Inheritance diagram for lemmiwinks.lemmiwinks.Lemmiwinks:



Collaboration diagram for lemmiwinks.lemmiwinks.Lemmiwinks:



Public Member Functions

- `def __init__ (self)`
- `def task_executor (self)`
- `def run (self)`
- `def stop (self)`

Public Attributes

- `loop`
- `logger`

9.82.1 Detailed Description

Implementation of event based loop.
Contains abstract method 'task_executor' that holds starting point of the execution.

9.82.2 Constructor & Destructor Documentation

9.82.2.1 `__init__()`

```
def lemmiwinks.lemmiwinks.Lemmiwinks.__init__ (
    self )
```

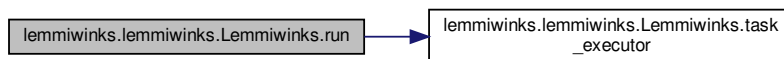
Reimplemented in [pharty3.AIO Lemmiwinks](#).

9.82.3 Member Function Documentation

9.82.3.1 `run()`

```
def lemmiwinks.lemmiwinks.Lemmiwinks.run (
    self )
```

Here is the call graph for this function:



9.82.3.2 `stop()`

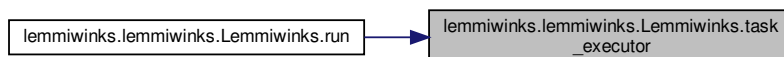
```
def lemmiwinks.lemmiwinks.Lemmiwinks.stop (
    self )
```

9.82.3.3 `task_executor()`

```
def lemmiwinks.lemmiwinks.Lemmiwinks.task_executor (
    self )
```

Reimplemented in [pharty3.AIO Lemmiwinks](#).

Here is the caller graph for this function:



9.82.4 Member Data Documentation

9.82.4.1 logger

`lemmiwinks.lemmiwinks.Lemmiwinks.logger`

9.82.4.2 loop

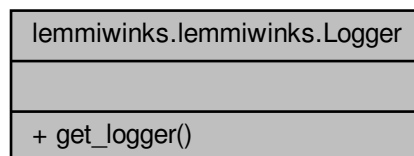
`lemmiwinks.lemmiwinks.Lemmiwinks.loop`

The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/lemmiwinks.py](#)

9.83 lemmiwinks.lemmiwinks.Logger Class Reference

Collaboration diagram for `lemmiwinks.lemmiwinks.Logger`:



Static Public Member Functions

- `logging.Logger` [get_logger](#) (str name)

9.83.1 Member Function Documentation

9.83.1.1 `get_logger()`

```
logging.Logger lemmiwinks.lemmiwinks.Logger.get_logger (  
    str name ) [static]
```

Configures logger to be used in the module where is imported after calling 'get_logger'. Adds two handlers to basic logger. One for file, second for console. For each handler sets format of logs and log level.

Args:

name: Name of new logger instance.

Returns:

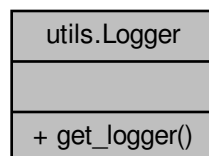
logging.Logger object.

The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/lemmiwinks.py](#)

9.84 `utils.Logger` Class Reference

Collaboration diagram for `utils.Logger`:



Static Public Member Functions

- logging.Logger [get_logger](#) (str name)

9.84.1 Member Function Documentation

9.84.1.1 get_logger()

```
logging.Logger utils.Logger.get_logger (
    str name ) [static]
```

Configures logger to be used in the module where is imported after calling 'get_logger'.

Adds two handlers to basic logger. One for file, second for console.
For each handler sets format of logs and log level.

Args:

name: Name of module the logger will be initialized with.

Returns:

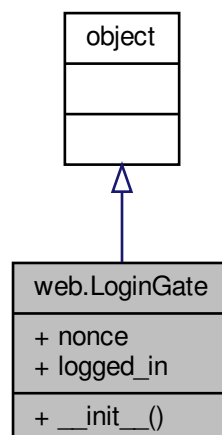
Configured logging.Logger object.

The documentation for this class was generated from the following file:

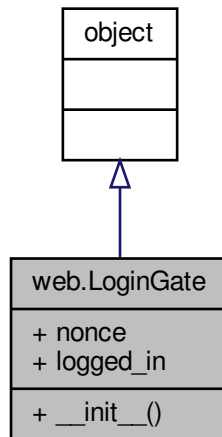
- [scrapit/api/utils.py](#)

9.85 web.LoginGate Class Reference

Inheritance diagram for web.LoginGate:



Collaboration diagram for web.LoginGate:



Public Member Functions

- `def __init__(self, session)`

Public Attributes

- `nonce`
- `logged_in`

9.85.1 Constructor & Destructor Documentation

9.85.1.1 `__init__()`

```
def web.LoginGate.__init__ (
    self,
    session )
```

9.85.2 Member Data Documentation

9.85.2.1 logged_in

`web.LoginGate.logged_in`

9.85.2.2 nonce

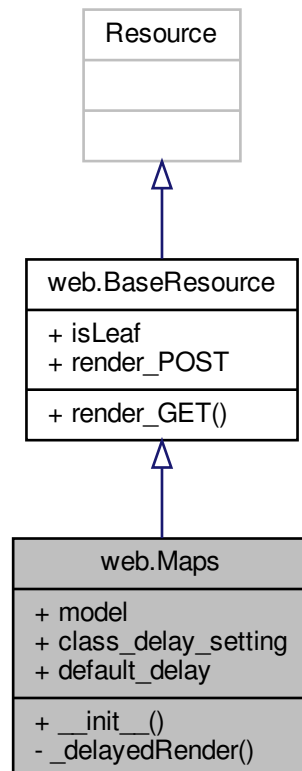
`web.LoginGate.nonce`

The documentation for this class was generated from the following file:

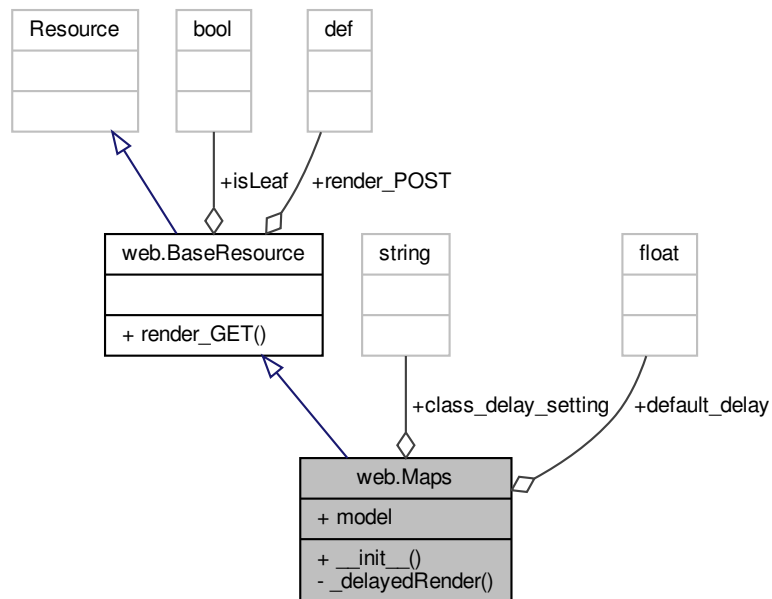
- [scrapit/tests/web/web.py](#)

9.86 web.Maps Class Reference

Inheritance diagram for web.Maps:



Collaboration diagram for web.Maps:



Public Member Functions

- `def __init__` (self, [model](#))

Public Attributes

- [model](#)

Static Public Attributes

- `string class_delay_setting` = 'SPEED_MAPS_T_RESPONSE'
- `float default_delay` = 0.25

Private Member Functions

- `def _delayedRender` (self, request, settings)

9.86.1 Constructor & Destructor Documentation

9.86.1.1 `__init__()`

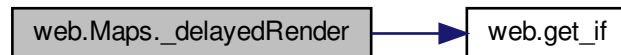
```
def web.Maps.__init__ (
    self,
    model )
```

9.86.2 Member Function Documentation

9.86.2.1 `_delayedRender()`

```
def web.Maps._delayedRender (
    self,
    request,
    settings ) [private]
```

Here is the call graph for this function:



Here is the caller graph for this function:



9.86.3 Member Data Documentation

9.86.3.1 `class_delay_setting`

```
string web.Maps.class_delay_setting = 'SPEED_MAPS_T_RESPONSE' [static]
```

9.86.3.2 default_delay

```
float web.Maps.default_delay = 0.25 [static]
```

9.86.3.3 model

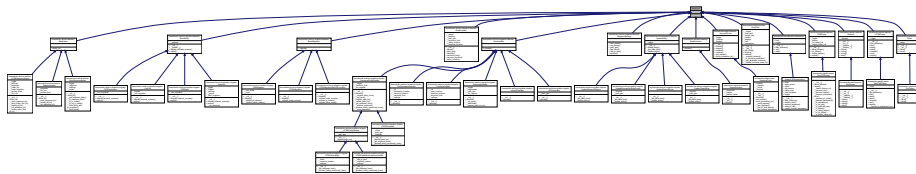
```
web.Maps.model
```

The documentation for this class was generated from the following file:

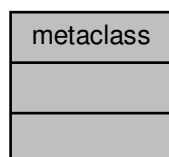
- [scrapit/tests/web/web.py](#)

9.87 metaclass Class Reference

Inheritance diagram for metaclass:



Collaboration diagram for metaclass:

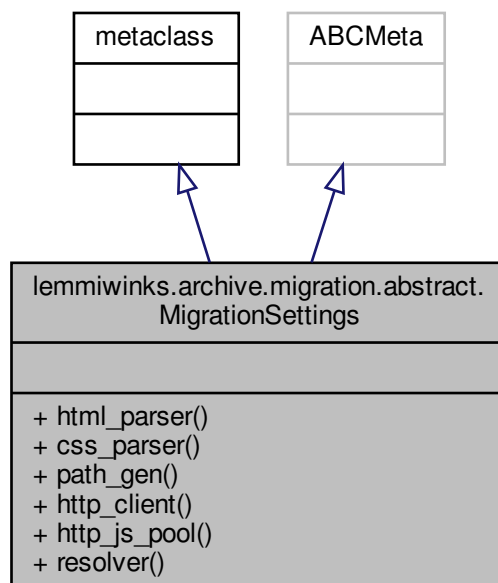


The documentation for this class was generated from the following file:

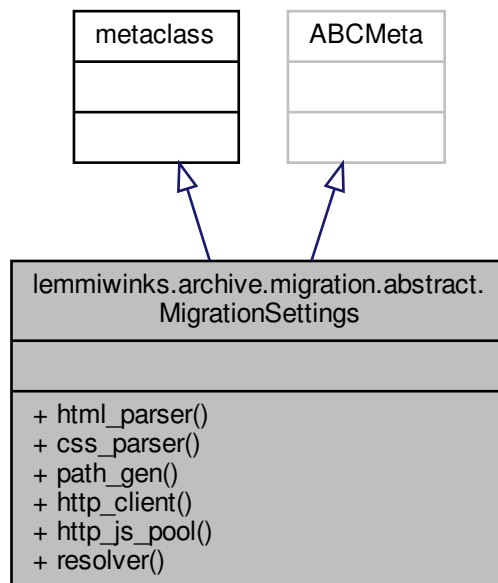
- [lemmit/lemmiwinks/lemmiwinks.py](#)

9.88 lemmywinks.archive.migration.abstract.MigrationSettings Class Reference

Inheritance diagram for lemmywinks.archive.migration.abstract.MigrationSettings:



Collaboration diagram for `lemmiwinks.archive.migration.abstract.MigrationSettings`:



Public Member Functions

- def `html_parser` (self)
- def `css_parser` (self)
- def `path_gen` (self)
- def `http_client` (self)
- def `http_js_pool` (self)
- def `resolver` (self)

9.88.1 Member Function Documentation

9.88.1.1 `css_parser()`

```
def lemmiwinks.archive.migration.abstract.MigrationSettings.css_parser (
    self )
```

9.88.1.2 `html_parser()`

```
def lemmiwinks.archive.migration.abstract.MigrationSettings.html_parser (
    self )
```

9.88.1.3 http_client()

```
def lemmiwinks.archive.migration.abstract.MigrationSettings.http_client (
    self )
```

9.88.1.4 http_js_pool()

```
def lemmiwinks.archive.migration.abstract.MigrationSettings.http_js_pool (
    self )
```

9.88.1.5 path_gen()

```
def lemmiwinks.archive.migration.abstract.MigrationSettings.path_gen (
    self )
```

9.88.1.6 resolver()

```
def lemmiwinks.archive.migration.abstract.MigrationSettings.resolver (
    self )
```

The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/archive/migration/abstract.py](#)

9.89 lemmiwinks.pathgen.MimeFileExtension Class Reference

Collaboration diagram for lemmiwinks.pathgen.MimeFileExtension:

lemmiwinks.pathgen.MimeFile Extension
- __filepath - __url
+ __init__() + add_extension_to() - __get_extension_from_url() - __get_mime_type_from _filepath() - __is_extension_valid _to_mime_type() - __get_extension_from()

Public Member Functions

- def `__init__` (self, filepath, url)
- def `add_extension_to` (self, name)

Private Member Functions

- def `__get_extension_from_url` (self)
- def `__get_mime_type_from_filepath` (self)

Static Private Member Functions

- def `__is_extension_valid_to_mime_type` (ext, mime_type)
- def `__get_extension_from` (mime_type)

Private Attributes

- `__filepath`
- `__url`

9.89.1 Constructor & Destructor Documentation

9.89.1.1 `__init__()`

```
def lemmiwinks.pathgen.MimeFileExtension.__init__ (
    self,
    filepath,
    url )
```

9.89.2 Member Function Documentation

9.89.2.1 `__get_extension_from()`

```
def lemmiwinks.pathgen.MimeFileExtension.__get_extension_from (
    mime_type ) [static], [private]
```

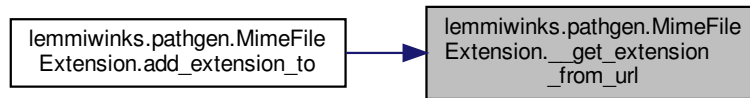
Here is the caller graph for this function:



9.89.2.2 `__get_extension_from_url()`

```
def lemmiwinks.pathgen.MimeFileExtension.__get_extension_from_url (
    self ) [private]
```

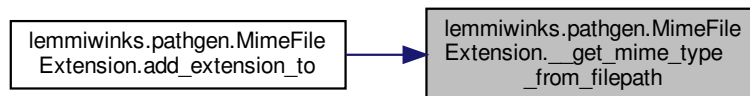
Here is the caller graph for this function:



9.89.2.3 `__get_mime_type_from_filepath()`

```
def lemmiwinks.pathgen.MimeFileExtension.__get_mime_type_from_filepath (
    self ) [private]
```

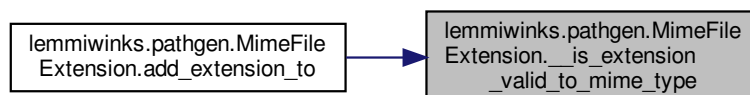
Here is the caller graph for this function:



9.89.2.4 `__is_extension_valid_to_mime_type()`

```
def lemmiwinks.pathgen.MimeFileExtension.__is_extension_valid_to_mime_type (
    ext,
    mime_type ) [static], [private]
```

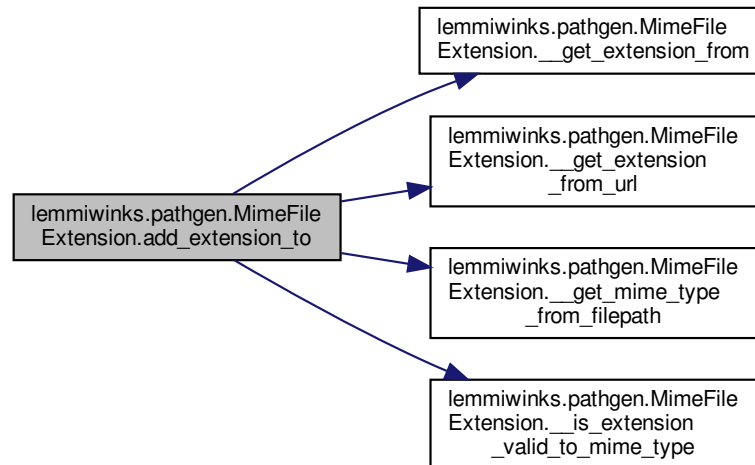
Here is the caller graph for this function:



9.89.2.5 add_extension_to()

```
def lemmywinks.pathgen.MimeFileExtension.add_extension_to (
    self,
    name )
```

Here is the call graph for this function:



9.89.3 Member Data Documentation

9.89.3.1 __filepath

```
lemmywinks.pathgen.MimeFileExtension.__filepath [private]
```

9.89.3.2 __url

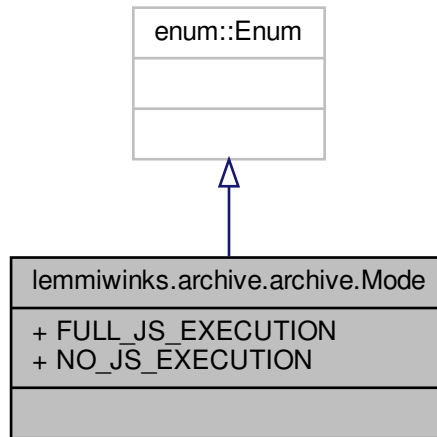
```
lemmywinks.pathgen.MimeFileExtension.__url [private]
```

The documentation for this class was generated from the following file:

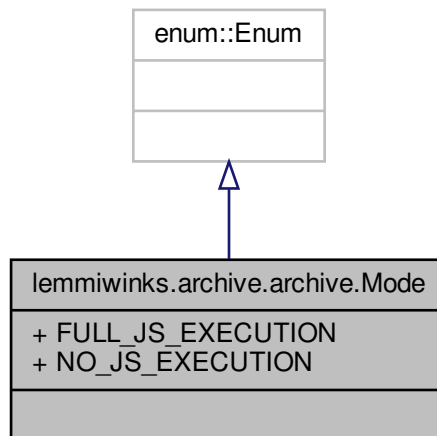
- [lemmit/lemmywinks/pathgen.py](#)

9.90 lemmywinks.archive.archive.Mode Class Reference

Inheritance diagram for lemmywinks.archive.archive.Mode:



Collaboration diagram for lemmywinks.archive.archive.Mode:



Static Public Attributes

- `FULL_JS_EXECUTION` = `enum.auto()`
- `NO_JS_EXECUTION` = `enum.auto()`

9.90.1 Member Data Documentation

9.90.1.1 FULL_JS_EXECUTION

```
lemmiwinks.archive.archive.Mode.FULL_JS_EXECUTION = enum.auto() [static]
```

9.90.1.2 NO_JS_EXECUTION

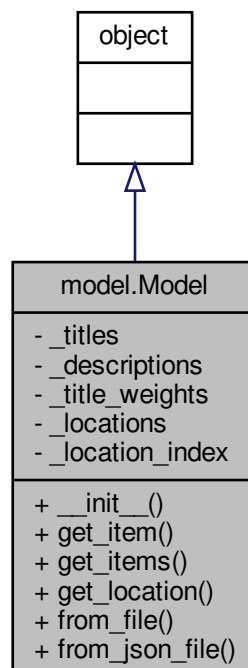
```
lemmiwinks.archive.archive.Mode.NO_JS_EXECUTION = enum.auto() [static]
```

The documentation for this class was generated from the following file:

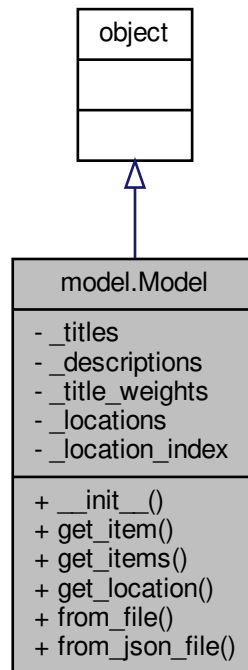
- [lemmit/lemmiwinks/archive/archive.py](#)

9.91 model.Model Class Reference

Inheritance diagram for model.Model:



Collaboration diagram for model.Model:



Public Member Functions

- def `__init__` (self)
- def `get_item` (self, i)
- def `get_items` (self, ids)
- def `get_location` (self, address)

Static Public Member Functions

- def `from_file` (file)
- def `from_json_file` (file)

Private Attributes

- `_titles`
- `_descriptions`
- `_title_weights`
- `_locations`
- `_location_index`

9.91.1 Constructor & Destructor Documentation

9.91.1.1 `__init__()`

```
def model.Model.__init__ (
    self )
```

9.91.2 Member Function Documentation

9.91.2.1 `from_file()`

```
def model.Model.from_file (
    file ) [static]
```

9.91.2.2 `from_json_file()`

```
def model.Model.from_json_file (
    file ) [static]
```

9.91.2.3 `get_item()`

```
def model.Model.get_item (
    self,
    i )
```

Here is the call graph for this function:



9.91.2.4 get_items()

```
def model.Model.get_items (
    self,
    ids )
```

Here is the caller graph for this function:



9.91.2.5 get_location()

```
def model.Model.get_location (
    self,
    address )
```

9.91.3 Member Data Documentation

9.91.3.1 _descriptions

```
model.Model._descriptions [private]
```

9.91.3.2 _location_index

```
model.Model._location_index [private]
```

9.91.3.3 _locations

```
model.Model._locations [private]
```


9.91.3.4 `_title_weights`

`model.Model._title_weights` [private]

9.91.3.5 `_titles`

`model.Model._titles` [private]

The documentation for this class was generated from the following file:

- [scrapit/tests/web/model.py](#)

9.92 `lemmiwinks.archive.maff.MozillaArchiveFormat` Class Reference

Collaboration diagram for `lemmiwinks.archive.maff.MozillaArchiveFormat`:

lemmiwinks.archive.maff. MozillaArchiveFormat
- <code>_filepath</code> - <code>_tabs</code>
+ <code>__init__()</code> + <code>__enter__()</code> + <code>__exit__()</code> + <code>create_tab()</code> + <code>make_archive()</code> - <code>__zip_directory_to()</code>

Public Member Functions

- `def __init__(self, str filepath)`
- `def __enter__(self)`
- `def __exit__(self, exc_type, exc_val, exc_tb)`
- `def create_tab(self)`
- `def make_archive(self)`

Private Member Functions

- `def __zip_directory_to(self, zip_file)`

Private Attributes

- [_filepath](#)
- [_tabs](#)

9.92.1 Constructor & Destructor Documentation

9.92.1.1 `__init__()`

```
def lemmiwinks.archive.maff.MozillaArchiveFormat.__init__ (
    self,
    str filepath )
```

9.92.2 Member Function Documentation

9.92.2.1 `__enter__()`

```
def lemmiwinks.archive.maff.MozillaArchiveFormat.__enter__ (
    self )
```

9.92.2.2 `__exit__()`

```
def lemmiwinks.archive.maff.MozillaArchiveFormat.__exit__ (
    self,
    exc_type,
    exc_val,
    exc_tb )
```

Here is the call graph for this function:



9.92.2.3 __zip_directory_to()

```
def lemmywinks.archive.maff.MozillaArchiveFormat.__zip_directory_to (
    self,
    zip_file ) [private]
```

Here is the caller graph for this function:



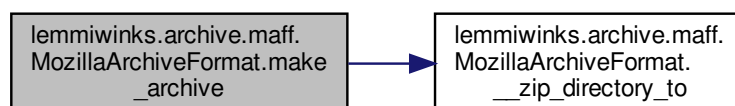
9.92.2.4 create_tab()

```
def lemmywinks.archive.maff.MozillaArchiveFormat.create_tab (
    self )
```

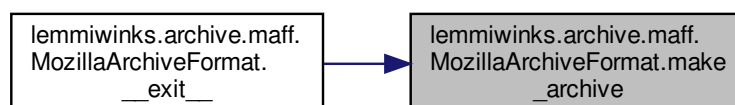
9.92.2.5 make_archive()

```
def lemmywinks.archive.maff.MozillaArchiveFormat.make_archive (
    self )
```

Here is the call graph for this function:



Here is the caller graph for this function:



9.92.3 Member Data Documentation

9.92.3.1 `_filepath`

`lemmiwinks.archive.maff.MozillaArchiveFormat._filepath` [private]

9.92.3.2 `_tabs`

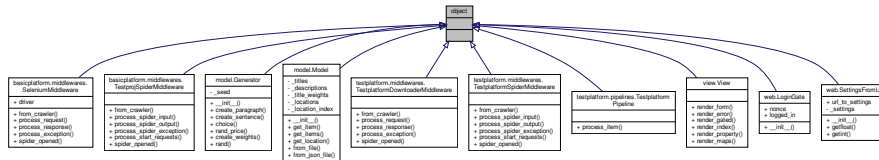
`lemmiwinks.archive.maff.MozillaArchiveFormat._tabs` [private]

The documentation for this class was generated from the following file:

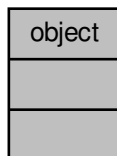
- [lemmit/lemmiwinks/archive/maff.py](https://github.com/lemmit/lemmiwinks/archive/maff.py)

9.93 object Class Reference

Inheritance diagram for object:



Collaboration diagram for object:

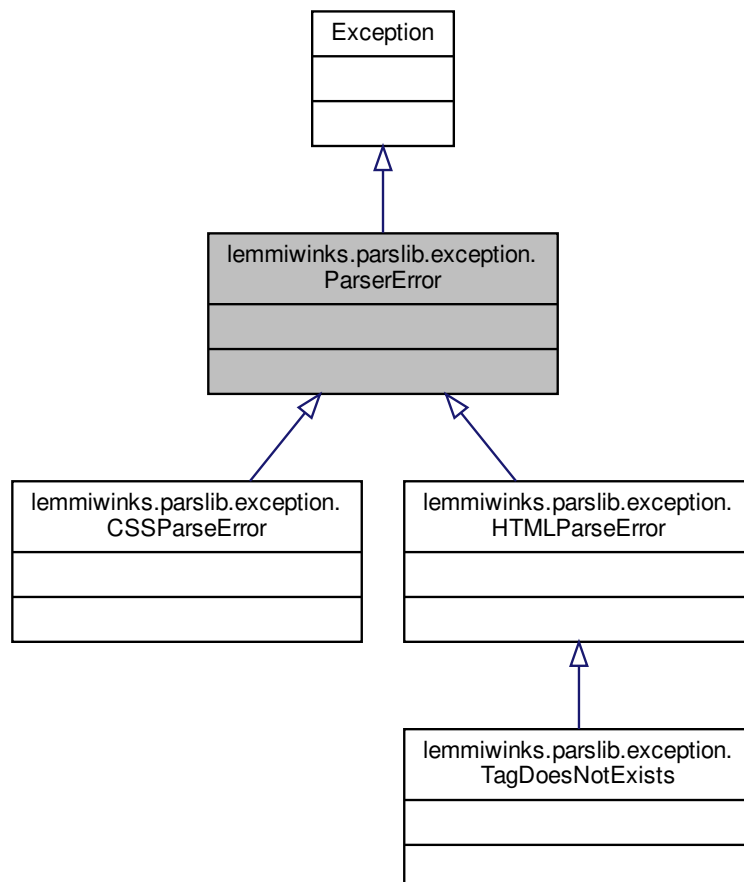


The documentation for this class was generated from the following file:

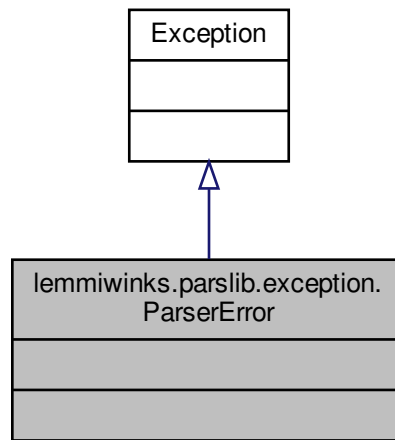
- [scrapit/tests/web/model.py](https://github.com/scrapit/tests/web/model.py)

9.94 lemmywinks.parslib.exception.ParserError Class Reference

Inheritance diagram for lemmywinks.parslib.exception.ParserError:



Collaboration diagram for lemmiwinks.parslib.exception.ParserError:

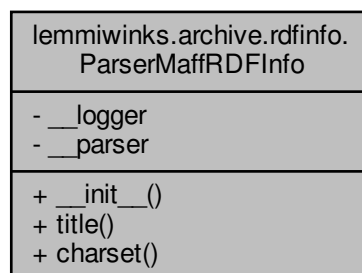


The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/parslib/exception.py](#)

9.95 lemmiwinks.archive.rdfinfo.ParserMaffRDFInfo Class Reference

Collaboration diagram for lemmiwinks.archive.rdfinfo.ParserMaffRDFInfo:



Public Member Functions

- def [__init__](#)(self, parser)
- def [title](#)(self)
- def [charset](#)(self)

Private Attributes

- [__logger](#)
- [__parser](#)

9.95.1 Constructor & Destructor Documentation

9.95.1.1 `__init__()`

```
def lemmiwinks.archive.rdfinfo.ParserMaffRDFInfo.__init__ (
    self,
    parser )
```

9.95.2 Member Function Documentation

9.95.2.1 `charset()`

```
def lemmiwinks.archive.rdfinfo.ParserMaffRDFInfo.charset (
    self )
```

9.95.2.2 `title()`

```
def lemmiwinks.archive.rdfinfo.ParserMaffRDFInfo.title (
    self )
```

9.95.3 Member Data Documentation

9.95.3.1 `__logger`

```
lemmiwinks.archive.rdfinfo.ParserMaffRDFInfo.__logger [private]
```

9.95.3.2 __parser

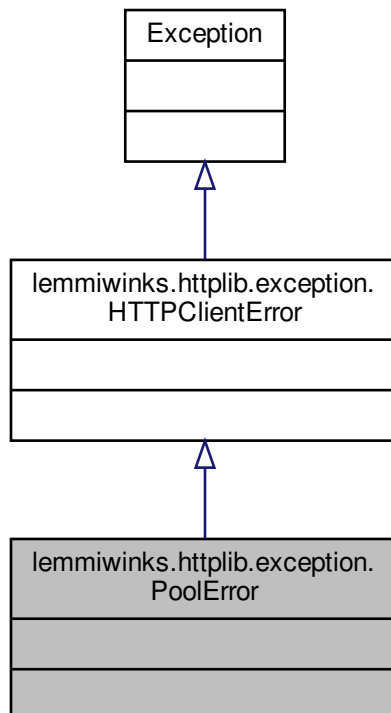
lemmiwinks.archive.rdfinfo.ParserMaffRDFInfo.__parser [private]

The documentation for this class was generated from the following file:

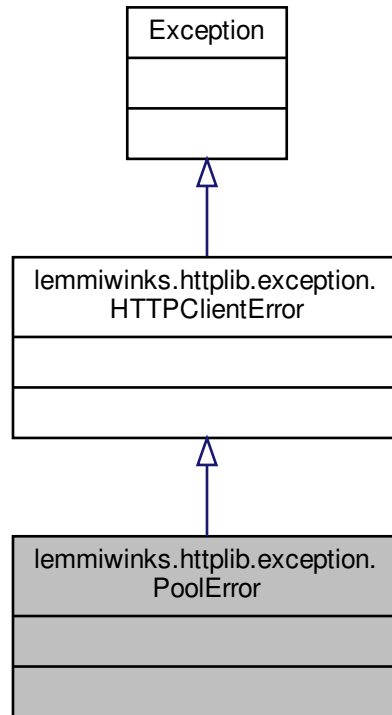
- [lemmit/lemmiwinks/archive/rdfinfo.py](#)

9.96 lemmiwinks.httplib.exception.PoolError Class Reference

Inheritance diagram for lemmiwinks.httplib.exception.PoolError:



Collaboration diagram for `lemmiwinks.httplib.exception.PoolError`:

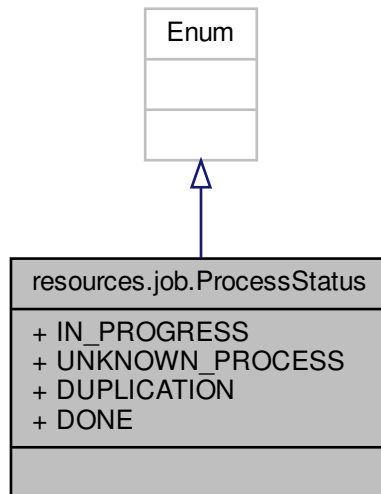


The documentation for this class was generated from the following file:

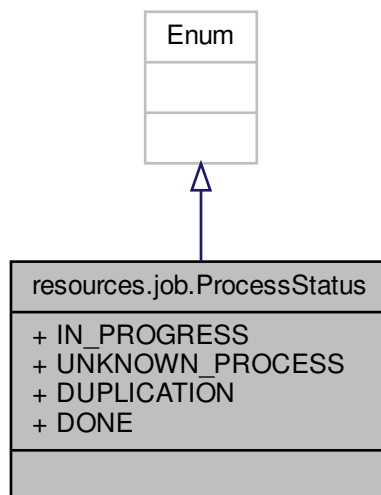
- [lemmit/lemmiwinks/httplib/exception.py](#)

9.97 resources.job.ProcessStatus Class Reference

Inheritance diagram for resources.job.ProcessStatus:



Collaboration diagram for resources.job.ProcessStatus:



Static Public Attributes

- `IN_PROGRESS` = `auto()`

- [UNKNOWN_PROCESS](#) = auto()
- [DUPLICATION](#) = auto()
- [DONE](#) = auto()

9.97.1 Detailed Description

Enum class for distinction of job states.

9.97.2 Member Data Documentation

9.97.2.1 DONE

```
resources.job.ProcessStatus.DONE = auto() [static]
```

9.97.2.2 DUPLICATION

```
resources.job.ProcessStatus.DUPLICATION = auto() [static]
```

9.97.2.3 IN_PROGRESS

```
resources.job.ProcessStatus.IN_PROGRESS = auto() [static]
```

9.97.2.4 UNKNOWN_PROCESS

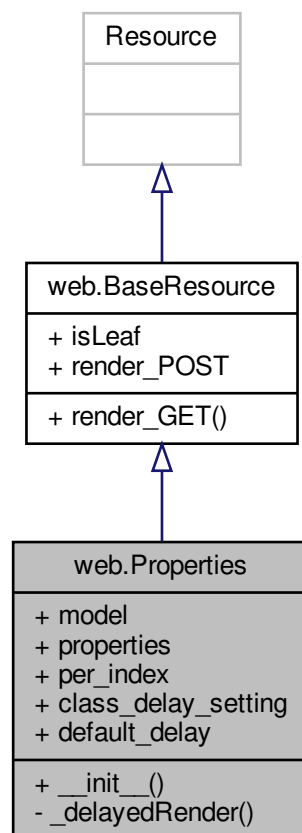
```
resources.job.ProcessStatus.UNKNOWN_PROCESS = auto() [static]
```

The documentation for this class was generated from the following file:

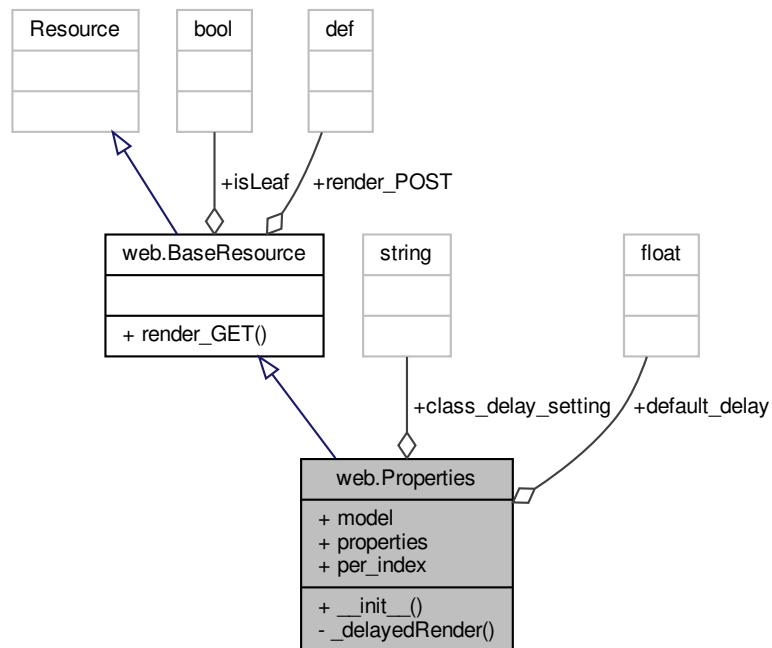
- [scrapit/api/resources/job.py](#)

9.98 web.Properties Class Reference

Inheritance diagram for web.Properties:



Collaboration diagram for web.Properties:



Public Member Functions

- `def __init__(self, model)`

Public Attributes

- `model`
- `properties`
- `per_index`

Static Public Attributes

- `string class_delay_setting = 'SPEED_PROPERTIES_T_RESPONSE'`
- `float default_delay = 0.25`

Private Member Functions

- `def _delayedRender(self, request, settings)`

9.98.1 Constructor & Destructor Documentation

9.98.1.1 `__init__()`

```
def web.Properties.__init__ (
    self,
    model )
```

9.98.2 Member Function Documentation

9.98.2.1 `_delayedRender()`

```
def web.Properties._delayedRender (
    self,
    request,
    settings ) [private]
```

Here is the caller graph for this function:



9.98.3 Member Data Documentation

9.98.3.1 `class_delay_setting`

```
string web.Properties.class_delay_setting = 'SPEED_PROPERTIES_T_RESPONSE' [static]
```

9.98.3.2 `default_delay`

```
float web.Properties.default_delay = 0.25 [static]
```

9.98.3.3 `model`

```
web.Properties.model
```

9.98.3.4 per_index

`web.Properties.per_index`

9.98.3.5 properties

`web.Properties.properties`

The documentation for this class was generated from the following file:

- [scrapit/tests/web/web.py](#)

9.99 lemmiwinks.archive.maff.RDF Class Reference

Collaboration diagram for lemmiwinks.archive.maff.RDF:

lemmiwinks.archive.maff.RDF
<ul style="list-style-type: none">- <code>_filepath</code>- <code>_xml</code>- <code>_description</code>
<ul style="list-style-type: none">+ <code>__init__()</code>+ <code>__enter__()</code>+ <code>__exit__()</code>+ <code>__str__()</code>+ <code>url()</code>+ <code>url()</code>+ <code>title()</code>+ <code>title()</code>+ <code>archive_time()</code>+ <code>archive_time()</code>+ <code>index_file_name()</code>+ <code>index_file_name()</code>+ <code>charset()</code>+ <code>charset()</code>+ <code>save()</code>- <code>__init_xml()</code>- <code>__init_description()</code>- <code>__get_element_value()</code>- <code>__find_element_by()</code>- <code>__update_element()</code>- <code>__create_node()</code>

Public Member Functions

- def `__init__` (self, filepath)
- def `__enter__` (self)
- def `__exit__` (self, exc_type, exc_val, exc_tb)
- def `__str__` (self)
- str `url` (self)
- def `url` (self, str url)
- str `title` (self)
- def `title` (self, str title)
- str `archive_time` (self)
- def `archive_time` (self, str time)
- str `index_file_name` (self)
- def `index_file_name` (self, str index_name)
- str `charset` (self)
- def `charset` (self, str charset)
- def `save` (self)

Private Member Functions

- def `__init_xml` (self)
- def `__init_description` (self)
- def `__get_element_value` (self, str tag)
- def `__find_element_by` (self, str tag)
- def `__update_element` (self, str tag, str value)
- def `__create_node` (self, str tag, str attr_value)

Private Attributes

- `_filepath`
- `_xml`
- `_description`

9.99.1 Constructor & Destructor Documentation

9.99.1.1 `__init__()`

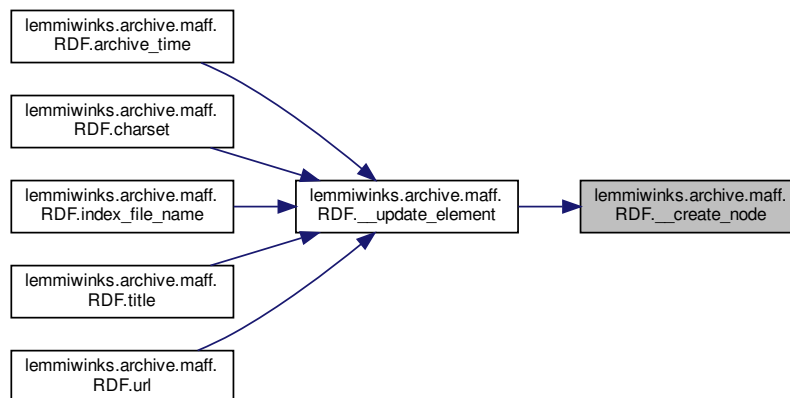
```
def lemmiwinks.archive.maff.RDF.__init__ (
    self,
    filepath )
```

9.99.2 Member Function Documentation

9.99.2.1 __create_node()

```
def lemmiwinks.archive.maff.RDF.__create_node (
    self,
    str tag,
    str attr_value ) [private]
```

Here is the caller graph for this function:



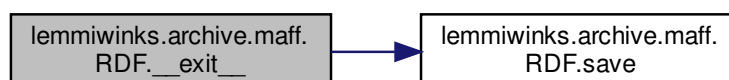
9.99.2.2 __enter__()

```
def lemmiwinks.archive.maff.RDF.__enter__ (
    self )
```

9.99.2.3 __exit__()

```
def lemmiwinks.archive.maff.RDF.__exit__ (
    self,
    exc_type,
    exc_val,
    exc_tb )
```

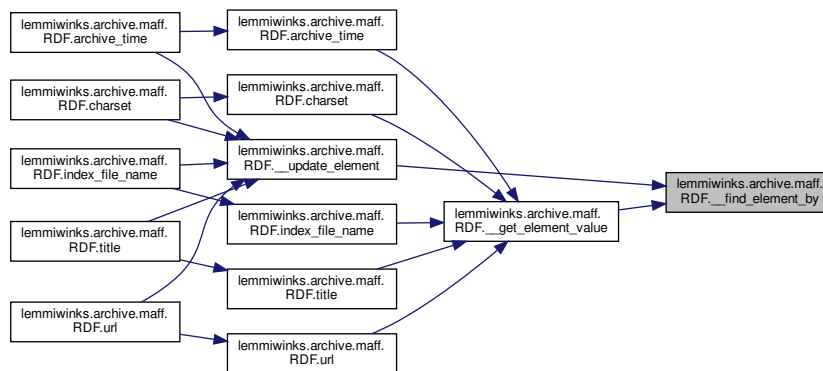
Here is the call graph for this function:



9.99.2.4 `__find_element_by()`

```
def lemmiwinks.archive.maff.RDF.__find_element_by (
    self,
    str tag ) [private]
```

Here is the caller graph for this function:

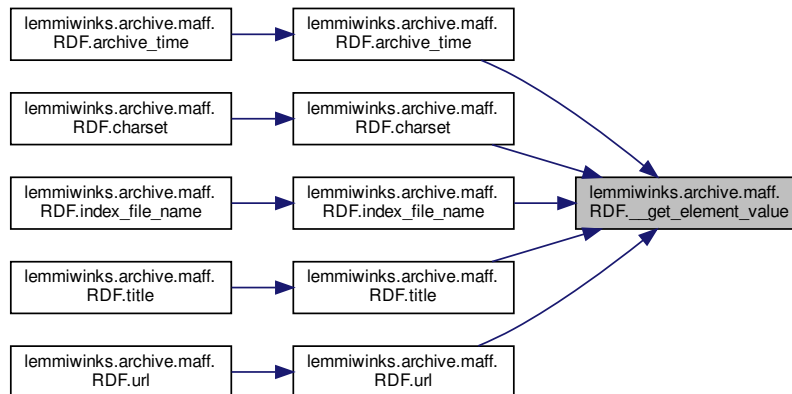
9.99.2.5 `__get_element_value()`

```
def lemmiwinks.archive.maff.RDF.__get_element_value (
    self,
    str tag ) [private]
```

Here is the call graph for this function:



Here is the caller graph for this function:



9.99.2.6 __init_description()

```
def lemmiwinks.archive.maff.RDF.__init_description (
    self ) [private]
```

9.99.2.7 __init_xml()

```
def lemmiwinks.archive.maff.RDF.__init_xml (
    self ) [private]
```

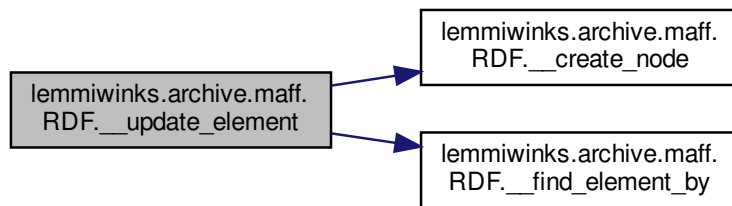
9.99.2.8 __str__()

```
def lemmiwinks.archive.maff.RDF.__str__ (
    self )
```

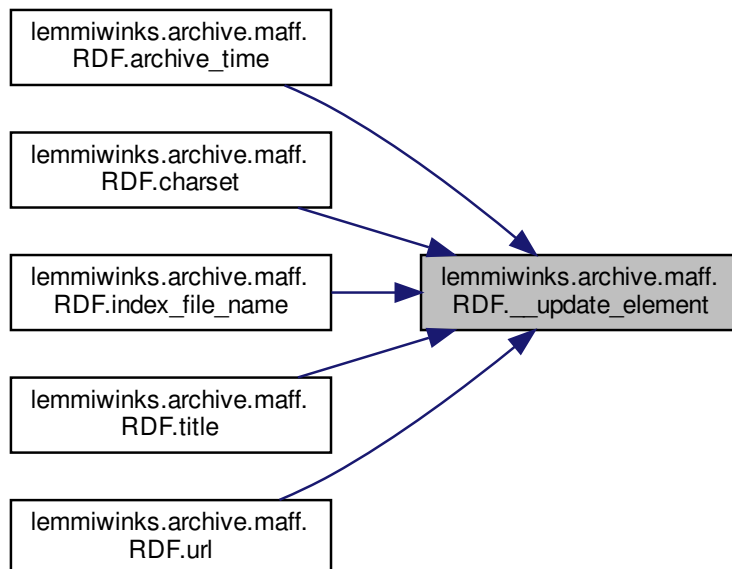
9.99.2.9 __update_element()

```
def lemmiwinks.archive.maff.RDF.__update_element (
    self,
    str tag,
    str value ) [private]
```

Here is the call graph for this function:



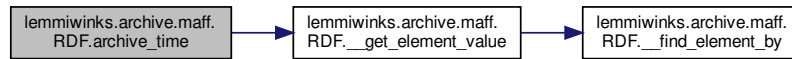
Here is the caller graph for this function:



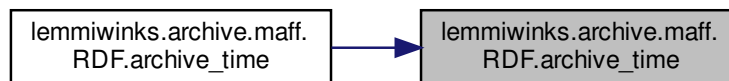
9.99.2.10 archive_time() [1/2]

```
str lemmiwinks.archive.maff.RDF.archive_time (
    self )
```

Here is the call graph for this function:



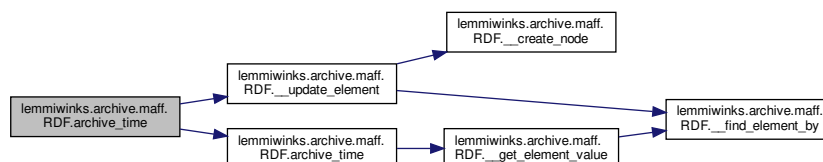
Here is the caller graph for this function:



9.99.2.11 archive_time() [2/2]

```
def lemmiwinks.archive.maff.RDF.archive_time (
    self,
    str time )
```

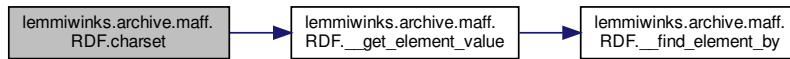
Here is the call graph for this function:



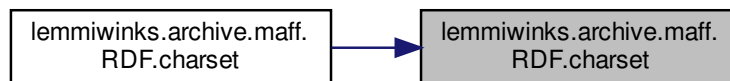
9.99.2.12 charset() [1/2]

```
str lemmiwinks.archive.maff.RDF.charset (
    self )
```

Here is the call graph for this function:



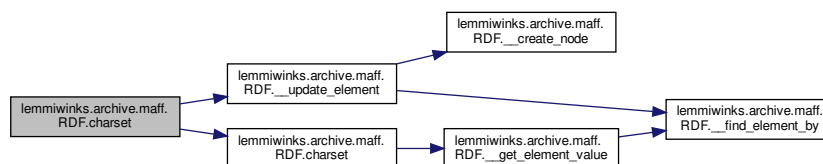
Here is the caller graph for this function:



9.99.2.13 charset() [2/2]

```
def lemmiwinks.archive.maff.RDF.charset (
    self,
    str charset )
```

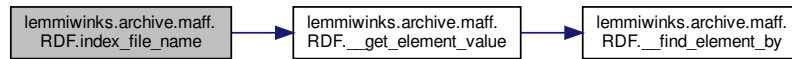
Here is the call graph for this function:



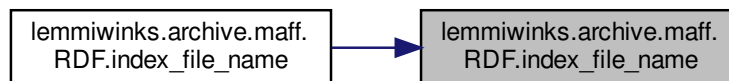
9.99.2.14 `index_file_name()` [1/2]

```
str lemmiwinks.archive.maff.RDF.index_file_name (
    self )
```

Here is the call graph for this function:



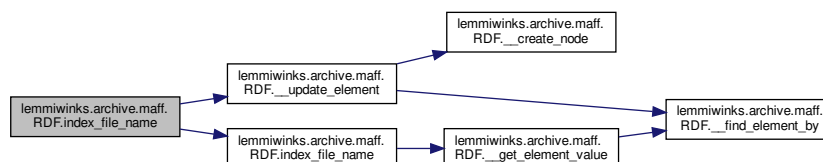
Here is the caller graph for this function:



9.99.2.15 `index_file_name()` [2/2]

```
def lemmiwinks.archive.maff.RDF.index_file_name (
    self,
    str index_name )
```

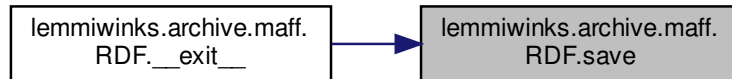
Here is the call graph for this function:



9.99.2.16 save()

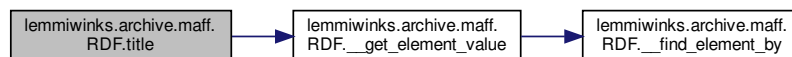
```
def lemmiwinks.archive.maff.RDF.save (  
    self )
```

Here is the caller graph for this function:

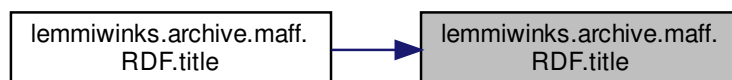
**9.99.2.17 title() [1/2]**

```
str lemmiwinks.archive.maff.RDF.title (  
    self )
```

Here is the call graph for this function:



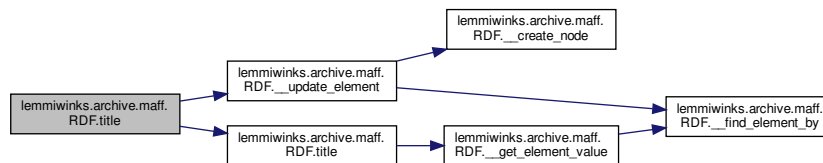
Here is the caller graph for this function:



9.99.2.18 title() [2/2]

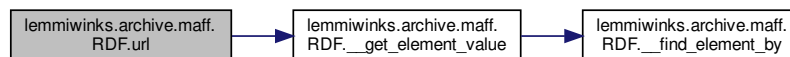
```
def lemmiwinks.archive.maff.RDF.title (
    self,
    str title )
```

Here is the call graph for this function:

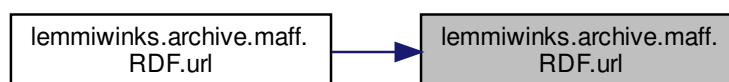
**9.99.2.19 url()** [1/2]

```
str lemmiwinks.archive.maff.RDF.url (
    self )
```

Here is the call graph for this function:



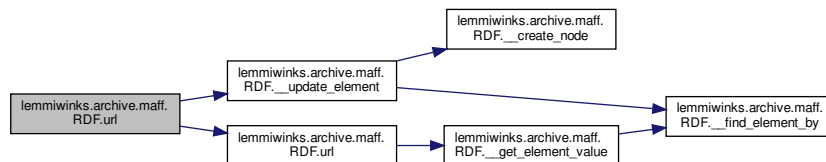
Here is the caller graph for this function:



9.99.2.20 url() [2/2]

```
def lemmiwinks.archive.maff.RDF.url (
    self,
    str url )
```

Here is the call graph for this function:

**9.99.3 Member Data Documentation****9.99.3.1 _description**

```
lemmiwinks.archive.maff.RDF._description [private]
```

9.99.3.2 _filepath

```
lemmiwinks.archive.maff.RDF._filepath [private]
```

9.99.3.3 _xml

```
lemmiwinks.archive.maff.RDF._xml [private]
```

The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/archive/maff.py](#)

9.100 basicplatform.pipelines.redis.RedisCache Class Reference

Collaboration diagram for basicplatform.pipelines.redis.RedisCache:

basicplatform.pipelines.redis. RedisCache
+ connection
+ from_crawler() + init_redis_pool() + __init__() + process_item()

Public Member Functions

- def [from_crawler](#) (cls, Crawler crawler)
- def [init_redis_pool](#) (self, str host, int port)
- def [__init__](#) (self, crawler, host, port)
- def [process_item](#) (self, Item items, Spider spider)

Public Attributes

- [connection](#)

9.100.1 Constructor & Destructor Documentation

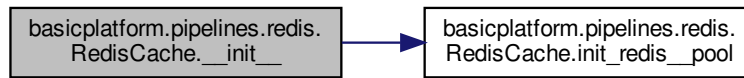
9.100.1.1 [__init__\(\)](#)

```
def basicplatform.pipelines.redis.RedisCache.__init__ (
    self,
    crawler,
    host,
    port )
```

Args:

```
host: Hostname of redis database.
port: Port of redis database.
```

Here is the call graph for this function:



9.100.2 Member Function Documentation

9.100.2.1 from_crawler()

```
def basicplatform.pipelines.redis.RedisCache.from_crawler (
    cls,
    Crawler crawler )
```

Scrapy calls this class method only once on the beginning.

Args:
crawler: Crawler class - caller.

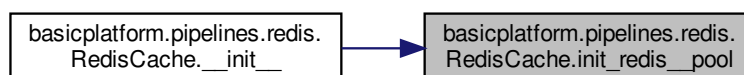
Returns:
Newly initialized RedisCache object.

9.100.2.2 init_redis_pool()

```
def basicplatform.pipelines.redis.RedisCache.init_redis_pool (
    self,
    str host,
    int port )
```

Args:
host: Hostname of redis database.
port: Port of redis database.

Here is the caller graph for this function:



9.100.2.3 process_item()

```
def basicplatform.pipelines.redis.RedisCache.process_item (
    self,
    Item items,
    Spider spider )
```

Store items into the redis asynchronously.
Used queue as redis data type.

Args:
items: String containing json formatted items.

9.100.3 Member Data Documentation

9.100.3.1 connection

```
basicplatform.pipelines.redis.RedisCache.connection
```

The documentation for this class was generated from the following file:

- [scrapit/basicplatform/basicplatform/pipelines/redis.py](#)

9.101 pharty3.RedisWrapper Class Reference

Collaboration diagram for pharty3.RedisWrapper:

pharty3.RedisWrapper
+ redis + address + logger
+ __init__() + create_connection() + close_connection() + connection() + serialize_data()

Public Member Functions

- def `__init__` (self, str `address`)
- def `create_connection` (self)
- def `close_connection` (self)
- 'Redis' `connection` (self)

Static Public Member Functions

- dict `serialize_data` (bytes data)

Public Attributes

- `redis`
- `address`
- `logger`

9.101.1 Detailed Description

Wrapper for asynchronous redis service.
Allows creating and closing of redis connection and sending commands.

9.101.2 Constructor & Destructor Documentation

9.101.2.1 `__init__()`

```
def pharty3.RedisWrapper.__init__ (
    self,
    str address )
```

Initializes object with empty redis connection.
Sets redis address to be used for creation of connection.

Args:
address: Address of redis service.

9.101.3 Member Function Documentation

9.101.3.1 `close_connection()`

```
def pharty3.RedisWrapper.close_connection (
    self )
```

Closes redis connection.

9.101.3.2 connection()

```
'Redis' pharty3.RedisWrapper.connection (
    self )
```

Gets redis object for allowing making commands.

Returns:
Redis object.

9.101.3.3 create_connection()

```
def pharty3.RedisWrapper.create_connection (
    self )
```

Creates redis connection.

9.101.3.4 serialize_data()

```
dict pharty3.RedisWrapper.serialize_data (
    bytes data ) [static]
```

Redis datatype list returns python type[list], so we grab only first element, decode it and convert to dict.

Args:
data: Raw data from redis to be serialized.

Returns:
First element of serialized data.

Raises:
JSONDecodeError: Data cannot be converted into the json format.

9.101.4 Member Data Documentation

9.101.4.1 address

```
pharty3.RedisWrapper.address
```

9.101.4.2 logger

`pharty3.RedisWrapper.logger`

9.101.4.3 redis

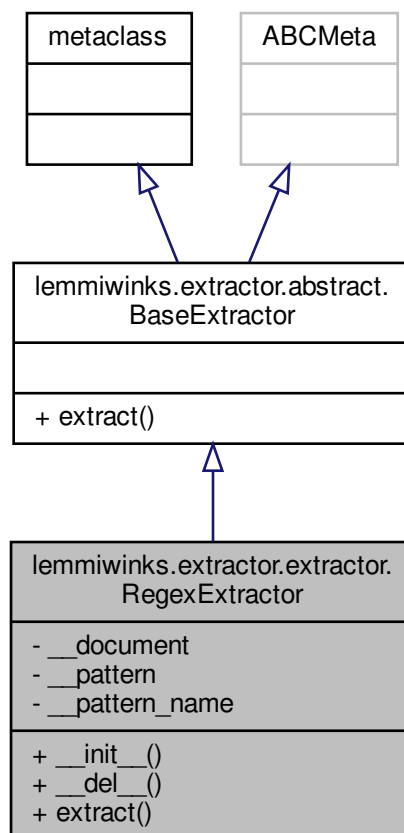
`pharty3.RedisWrapper.redis`

The documentation for this class was generated from the following file:

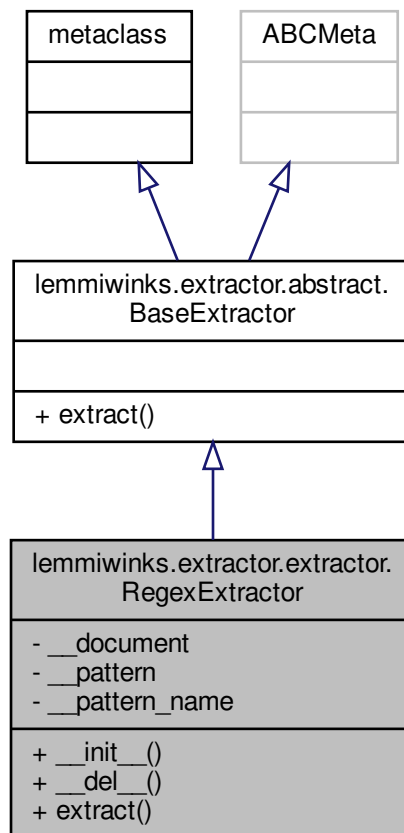
- [lemmit/pharty3.py](#)

9.102 lemmiwinks.extractor.extractor.RegexExtractor Class Reference

Inheritance diagram for `lemmiwinks.extractor.extractor.RegexExtractor`:



Collaboration diagram for `lemmiwinks.extractor.extractor.RegexExtractor`:



Public Member Functions

- `def __init__(self, pattern, pattern_name, document)`
- `def __del__(self)`
- `def extract(self)`

Private Attributes

- `__document`
- `__pattern`
- `__pattern_name`

9.102.1 Constructor & Destructor Documentation

9.102.1.1 `__init__()`

```
def lemmiwinks.extractor.extractor.RegexExtractor.__init__ (
    self,
    pattern,
    pattern_name,
    document )
```

9.102.1.2 `__del__()`

```
def lemmiwinks.extractor.extractor.RegexExtractor.__del__ (
    self )
```

9.102.2 Member Function Documentation

9.102.2.1 `extract()`

```
def lemmiwinks.extractor.extractor.RegexExtractor.extract (
    self )
```

Reimplemented from [lemmiwinks.extractor.abstract.BaseExtractor](#).

9.102.3 Member Data Documentation

9.102.3.1 `__document`

```
lemmiwinks.extractor.extractor.RegexExtractor.__document [private]
```

9.102.3.2 `__pattern`

```
lemmiwinks.extractor.extractor.RegexExtractor.__pattern [private]
```

9.102.3.3 `__pattern_name`

`lemmiwinks.extractor.extractor.RegexExtractor.__pattern_name` [private]

The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/extractor/extractor.py](#)

9.103 `lemmiwinks.httplib.container.Response` Class Reference

Collaboration diagram for `lemmiwinks.httplib.container.Response`:

lemmiwinks.httplib.container. Response
+ <code>url_and_status</code> + <code>content_descriptor</code> - <code>__logger</code> - <code>__content_descriptor</code> - <code>__url_and_status</code>
+ <code>__init__()</code> + <code>__del__()</code> + <code>content_descriptor()</code> + <code>content_descriptor()</code> + <code>url_and_status()</code> + <code>url_and_status()</code> + <code>requested_url()</code> + <code>accessed_url()</code>

Public Member Functions

- `def __init__(self, content_descriptor=None, url_and_status=list())`
- `def __del__(self)`
- `def content_descriptor(self)`
- `def content_descriptor(self, tempfile.NamedTemporaryFile _content_descriptor)`
- `def url_and_status(self)`
- `def url_and_status(self, list _url_and_status)`
- `def requested_url(self)`
- `def accessed_url(self)`

Public Attributes

- `url_and_status`
- `content_descriptor`

Private Attributes

- [__logger](#)
- [__content_descriptor](#)
- [__url_and_status](#)

9.103.1 Constructor & Destructor Documentation

9.103.1.1 `__init__()`

```
def lemmiwinks.httplib.container.Response.__init__ (
    self,
    content_descriptor = None,
    url_and_status = list() )
```

9.103.1.2 `__del__()`

```
def lemmiwinks.httplib.container.Response.__del__ (
    self )
```

9.103.2 Member Function Documentation

9.103.2.1 `accessed_url()`

```
def lemmiwinks.httplib.container.Response.accessed_url (
    self )
```

9.103.2.2 `content_descriptor()` [1/2]

```
def lemmiwinks.httplib.container.Response.content_descriptor (
    self )
```

9.103.2.3 content_descriptor() [2/2]

```
def lemmiwinks.httplib.container.Response.content_descriptor (
    self,
    tempfile.NamedTemporaryFile _content_descriptor )
```

9.103.2.4 requested_url()

```
def lemmiwinks.httplib.container.Response.requested_url (
    self )
```

9.103.2.5 url_and_status() [1/2]

```
def lemmiwinks.httplib.container.Response.url_and_status (
    self )
```

9.103.2.6 url_and_status() [2/2]

```
def lemmiwinks.httplib.container.Response.url_and_status (
    self,
    list _url_and_status )
```

9.103.3 Member Data Documentation

9.103.3.1 __content_descriptor

```
lemmiwinks.httplib.container.Response.__content_descriptor [private]
```

9.103.3.2 __logger

```
lemmiwinks.httplib.container.Response.__logger [private]
```

9.103.3.3 `__url_and_status`

`lemmiwinks.httplib.container.Response.__url_and_status` [private]

9.103.3.4 `content_descriptor`

`lemmiwinks.httplib.container.Response.content_descriptor`

9.103.3.5 `url_and_status`

`lemmiwinks.httplib.container.Response.url_and_status`

The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/httplib/container.py](#)

9.104 lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo Class Reference

Collaboration diagram for `lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo`:

lemmiwinks.archive.rdfinfo. ResponseMaffRDFInfo
- <code>__logger</code> - <code>__response</code>
+ <code>__init__()</code> + <code>index_name()</code> + <code>title()</code> + <code>url()</code> + <code>charset()</code>

Public Member Functions

- def `__init__`(self, response)
- def `index_name`(self)
- def `title`(self)
- def `url`(self)
- def `charset`(self)

Private Attributes

- [__logger](#)
- [__response](#)

9.104.1 Constructor & Destructor Documentation

9.104.1.1 `__init__()`

```
def lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo.__init__ (
    self,
    response )
```

9.104.2 Member Function Documentation

9.104.2.1 `charset()`

```
def lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo.charset (
    self )
```

9.104.2.2 `index_name()`

```
def lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo.index_name (
    self )
```

9.104.2.3 `title()`

```
def lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo.title (
    self )
```

9.104.2.4 `url()`

```
def lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo.url (
    self )
```

9.104.3 Member Data Documentation

9.104.3.1 `__logger`

lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo.__logger [private]

9.104.3.2 `__response`

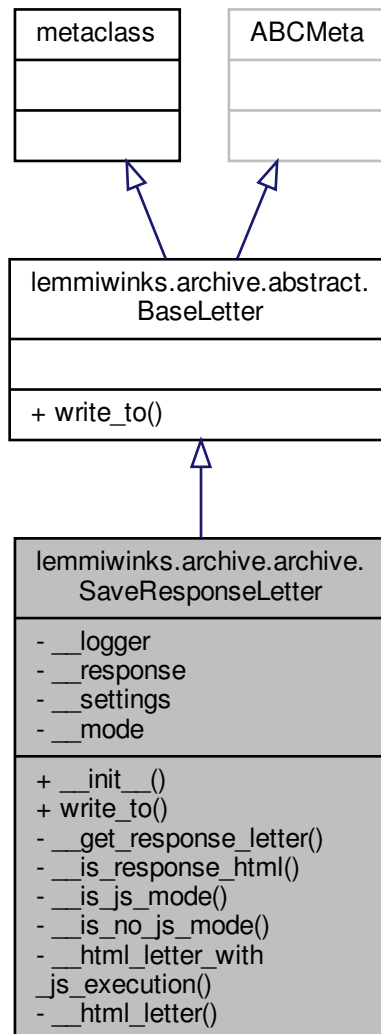
lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo.__response [private]

The documentation for this class was generated from the following file:

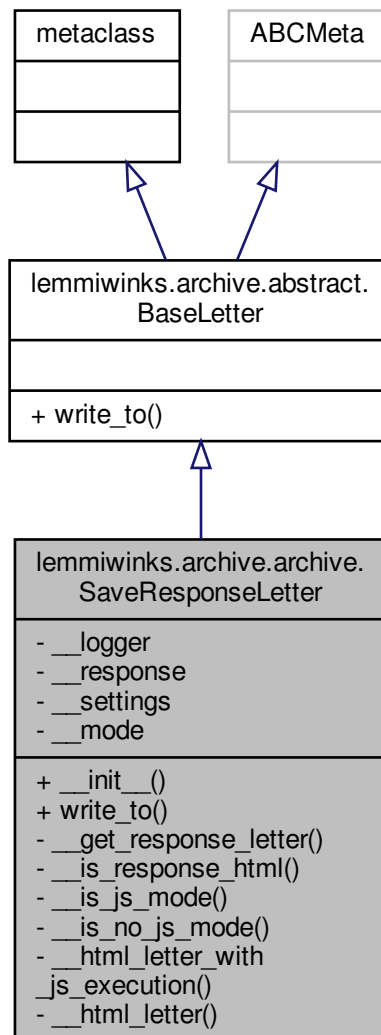
- [lemmit/lemmiwinks/archive/rdfinfo.py](#)

9.105 lemmiwinks.archive.archive.SaveResponseLetter Class Reference

Inheritance diagram for lemmiwinks.archive.archive.SaveResponseLetter:



Collaboration diagram for lemmiwinks.archive.archive.SaveResponseLetter:



Public Member Functions

- def `__init__` (self, response, settings, mode)
- def `write_to` (self, location)

Private Member Functions

- def `__get_response_letter` (self)
- def `__is_response_html` (self)
- def `__is_js_mode` (self)
- def `__is_no_js_mode` (self)
- def `__html_letter_with_js_execution` (self)
- def `__html_letter` (self)

Private Attributes

- [__logger](#)
- [__response](#)
- [__settings](#)
- [__mode](#)

9.105.1 Constructor & Destructor Documentation

9.105.1.1 `__init__()`

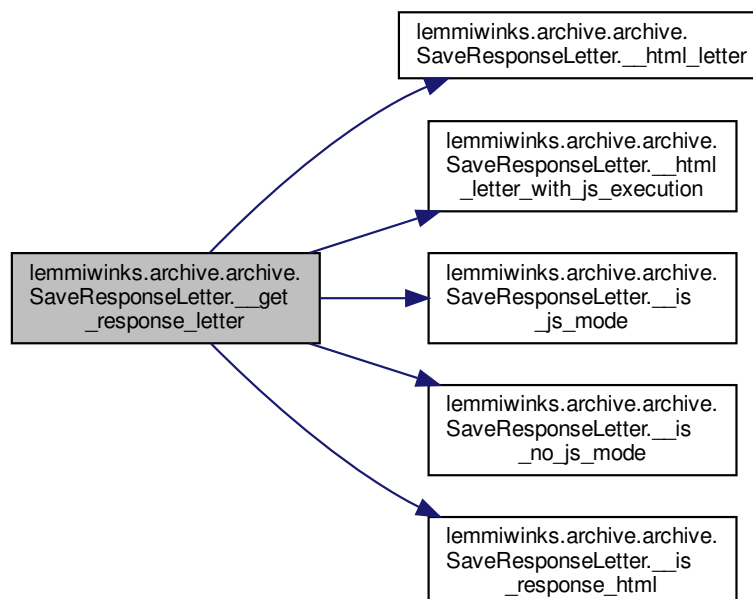
```
def lemmiwinks.archive.archive.SaveResponseLetter.__init__ (
    self,
    response,
    settings,
    mode )
```

9.105.2 Member Function Documentation

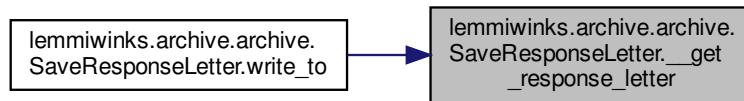
9.105.2.1 `__get_response_letter()`

```
def lemmiwinks.archive.archive.SaveResponseLetter.__get_response_letter (
    self ) [private]
```

Here is the call graph for this function:



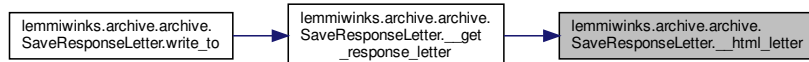
Here is the caller graph for this function:



9.105.2.2 __html_letter()

```
def lemmiwinks.archive.archive.SaveResponseLetter.__html_letter (
    self ) [private]
```

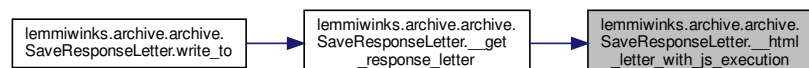
Here is the caller graph for this function:



9.105.2.3 __html_letter_with_js_execution()

```
def lemmiwinks.archive.archive.SaveResponseLetter.__html_letter_with_js_execution (
    self ) [private]
```

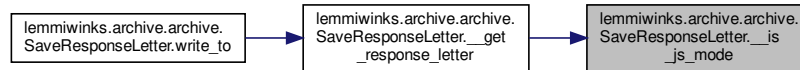
Here is the caller graph for this function:



9.105.2.4 `__is_js_mode()`

```
def lemmiwinks.archive.archive.SaveResponseLetter.__is_js_mode (
    self ) [private]
```

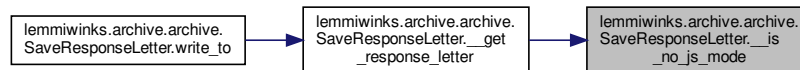
Here is the caller graph for this function:



9.105.2.5 `__is_no_js_mode()`

```
def lemmiwinks.archive.archive.SaveResponseLetter.__is_no_js_mode (
    self ) [private]
```

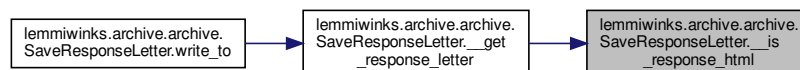
Here is the caller graph for this function:



9.105.2.6 `__is_response_html()`

```
def lemmiwinks.archive.archive.SaveResponseLetter.__is_response_html (
    self ) [private]
```

Here is the caller graph for this function:

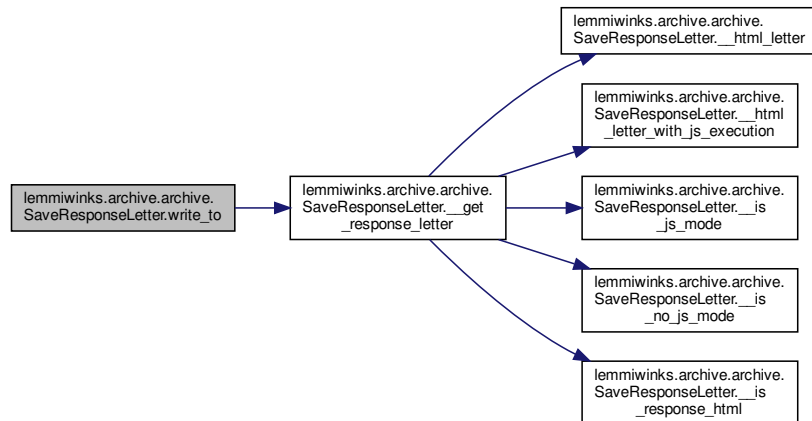


9.105.2.7 write_to()

```
def lemmiwinks.archive.archive.SaveResponseLetter.write_to (
    self,
    location )
```

Reimplemented from [lemmiwinks.archive.abstract.BaseLetter](#).

Here is the call graph for this function:



9.105.3 Member Data Documentation

9.105.3.1 __logger

```
lemmiwinks.archive.archive.SaveResponseLetter.__logger [private]
```

9.105.3.2 __mode

```
lemmiwinks.archive.archive.SaveResponseLetter.__mode [private]
```

9.105.3.3 __response

```
lemmiwinks.archive.archive.SaveResponseLetter.__response [private]
```

9.105.3.4 `__settings`

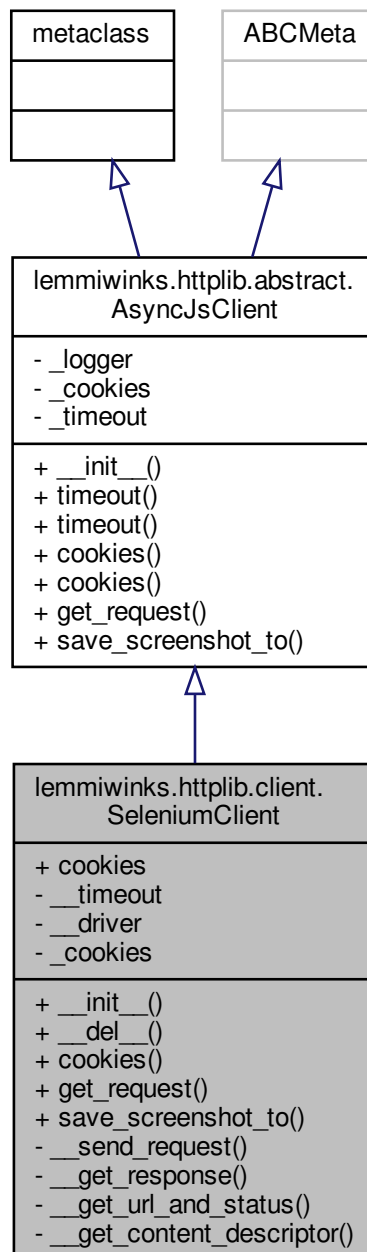
```
lemmiwinks.archive.archive.SaveResponseLetter.__settings [private]
```

The documentation for this class was generated from the following file:

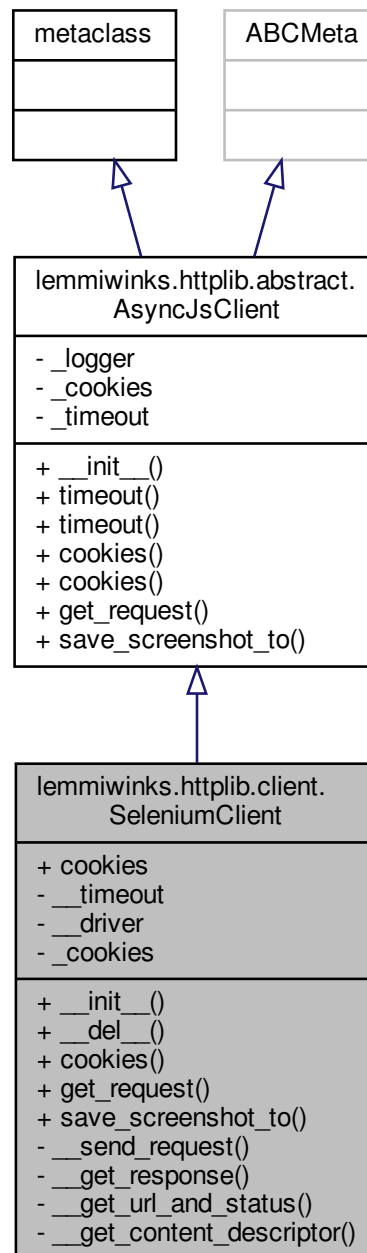
- [lemmit/lemmiwinks/archive/archive.py](#)

9.106 lemmywinks.httplib.client.SeleniumClient Class Reference

Inheritance diagram for lemmywinks.httplib.client.SeleniumClient:



Collaboration diagram for `lemmiwinks.httplib.client.SeleniumClient`:



Public Member Functions

- `def __init__(self, str executor_url, browser_info, timeout=3, cookies=dict())`
- `def __del__(self)`
- `def cookies(self, dict cookies)`
- `def get_request(self, url)`
- `def save_screenshot_to(self, filepath)`

Public Attributes

- [cookies](#)

Private Member Functions

- [def __send_request](#) (self, url)
- [def __get_response](#) (self)
- [def __get_url_and_status](#) (self)
- [def __get_content_descriptor](#) (self)

Private Attributes

- [__timeout](#)
- [__driver](#)
- [_cookies](#)

9.106.1 Constructor & Destructor Documentation

9.106.1.1 `__init__()`

```
def lemmiwinks.httplib.client.SeleniumClient.__init__ (
    self,
    str executor_url,
    browser_info,
    timeout = 3,
    cookies = dict() )
```

9.106.1.2 `__del__()`

```
def lemmiwinks.httplib.client.SeleniumClient.__del__ (
    self )
```

9.106.2 Member Function Documentation

9.106.2.1 `__get_content_descriptor()`

```
def lemmywinks.httplib.client.SeleniumClient.__get_content_descriptor (
    self ) [private]
```

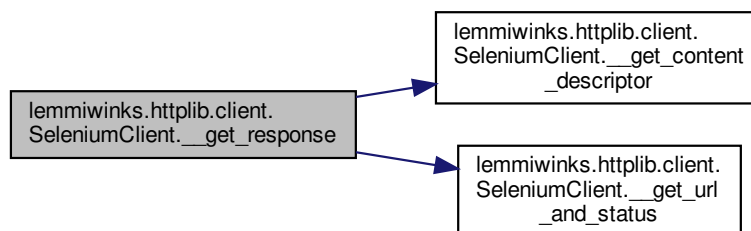
Here is the caller graph for this function:



9.106.2.2 `__get_response()`

```
def lemmywinks.httplib.client.SeleniumClient.__get_response (
    self ) [private]
```

Here is the call graph for this function:



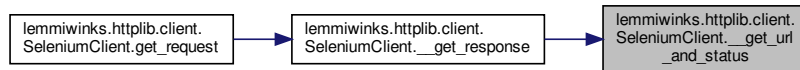
Here is the caller graph for this function:



9.106.2.3 `__get_url_and_status()`

```
def lemmiwinks.httplib.client.SeleniumClient.__get_url_and_status (
    self ) [private]
```

Here is the caller graph for this function:



9.106.2.4 `__send_request()`

```
def lemmiwinks.httplib.client.SeleniumClient.__send_request (
    self,
    url ) [private]
```

Here is the caller graph for this function:



9.106.2.5 `cookies()`

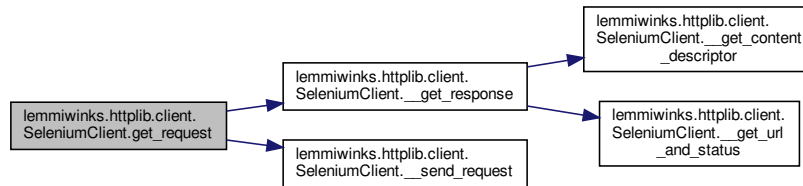
```
def lemmiwinks.httplib.client.SeleniumClient.cookies (
    self,
    dict cookies )
```

9.106.2.6 `get_request()`

```
def lemmywinks.httplib.client.SeleniumClient.get_request (
    self,
    url )
```

Reimplemented from [lemmywinks.httplib.abstract.AsyncJsClient](#).

Here is the call graph for this function:



9.106.2.7 `save_screenshot_to()`

```
def lemmywinks.httplib.client.SeleniumClient.save_screenshot_to (
    self,
    filepath )
```

Reimplemented from [lemmywinks.httplib.abstract.AsyncJsClient](#).

9.106.3 Member Data Documentation

9.106.3.1 `__driver`

```
lemmywinks.httplib.client.SeleniumClient.__driver [private]
```

9.106.3.2 `__timeout`

```
lemmywinks.httplib.client.SeleniumClient.__timeout [private]
```

9.106.3.3 `_cookies`

```
lemmiwinks.httplib.client.SeleniumClient._cookies [private]
```

9.106.3.4 `cookies`

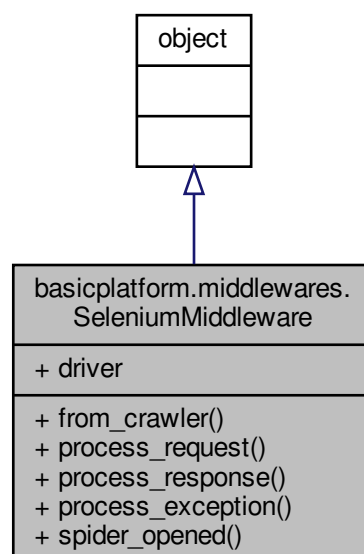
```
lemmiwinks.httplib.client.SeleniumClient.cookies
```

The documentation for this class was generated from the following file:

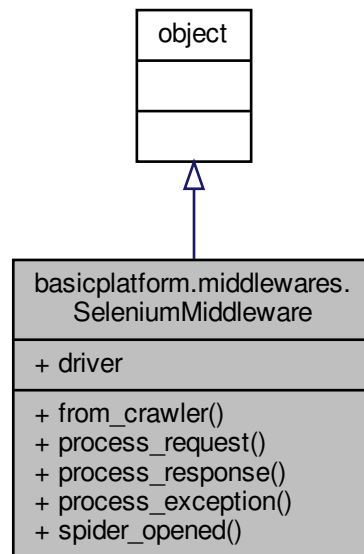
- [lemmit/lemmiwinks/httplib/client.py](#)

9.107 basicplatform.middlewares.SeleniumMiddleware Class Reference

Inheritance diagram for `basicplatform.middlewares.SeleniumMiddleware`:



Collaboration diagram for `basicplatform.middlewares.SeleniumMiddleware`:



Public Member Functions

- def `from_crawler` (cls, crawler)
- def `process_request` (self, request, spider)
- def `process_response` (self, request, response, spider)
- def `process_exception` (self, request, exception, spider)
- def `spider_opened` (self, spider)

Public Attributes

- `driver`

9.107.1 Member Function Documentation

9.107.1.1 `from_crawler()`

```
def basicplatform.middlewares.SeleniumMiddleware.from_crawler (
    cls,
    crawler )
```

9.107.1.2 process_exception()

```
def basicplatform.middlewares.SeleniumMiddleware.process_exception (
    self,
    request,
    exception,
    spider )
```

9.107.1.3 process_request()

```
def basicplatform.middlewares.SeleniumMiddleware.process_request (
    self,
    request,
    spider )
```

9.107.1.4 process_response()

```
def basicplatform.middlewares.SeleniumMiddleware.process_response (
    self,
    request,
    response,
    spider )
```

9.107.1.5 spider_opened()

```
def basicplatform.middlewares.SeleniumMiddleware.spider_opened (
    self,
    spider )
```

9.107.2 Member Data Documentation

9.107.2.1 driver

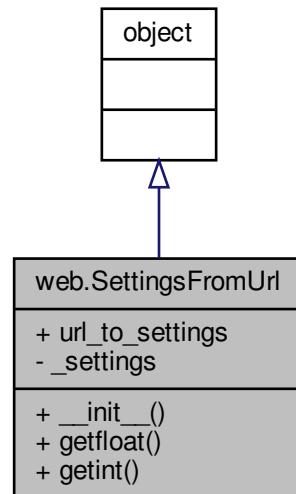
```
basicplatform.middlewares.SeleniumMiddleware.driver
```

The documentation for this class was generated from the following file:

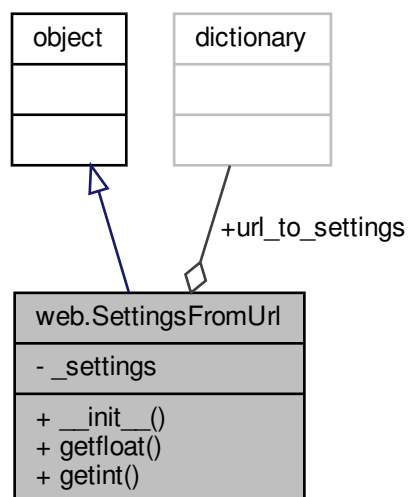
- [scrapit/basicplatform/basicplatform/middlewares.py](#)

9.108 web.SettingsFromUrl Class Reference

Inheritance diagram for web.SettingsFromUrl:



Collaboration diagram for web.SettingsFromUrl:



Public Member Functions

- def `__init__`(self, request)

- def [getfloat](#) (self, key, default)
- def [getint](#) (self, key, default)

Static Public Attributes

- dictionary [url_to_settings](#)

Private Attributes

- [_settings](#)

9.108.1 Constructor & Destructor Documentation

9.108.1.1 `__init__()`

```
def web.SettingsFromUrl.__init__ (
    self,
    request )
```

9.108.2 Member Function Documentation

9.108.2.1 `getfloat()`

```
def web.SettingsFromUrl.getfloat (
    self,
    key,
    default )
```

9.108.2.2 `getint()`

```
def web.SettingsFromUrl.getint (
    self,
    key,
    default )
```

9.108.3 Member Data Documentation

9.108.3.1 `_settings`

```
web.SettingsFromUrl._settings [private]
```

9.108.3.2 `url_to_settings`

```
dictionary web.SettingsFromUrl.url_to_settings [static]
```

Initial value:

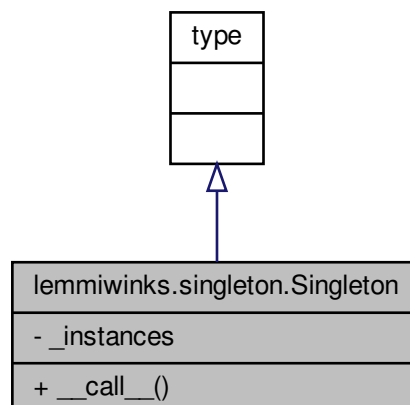
```
= {
    # Website structure
    "ti": "SPEED_TOTAL_ITEMS",
    "dp": "SPEED_DETAILS_PER_INDEX_PAGE",
    "id": "SPEED_ITEMS_PER_DETAIL",
    "ds": "SPEED_DETAIL_EXTRA_SIZE",
    "ip": "SPEED_INDEX_POINTAHEAD",
    # Response times
    "rr": "SPEED_T_RESPONSE",
    "ar": "SPEED_API_T_RESPONSE",
    "dr": "SPEED_DETAIL_T_RESPONSE",
    "ir": "SPEED_INDEX_T_RESPONSE",
}
```

The documentation for this class was generated from the following file:

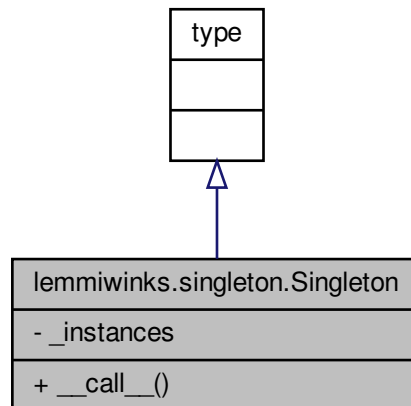
- [scrapit/tests/web/web.py](#)

9.109 `lemmiwinks.singleton.Singleton` Class Reference

Inheritance diagram for `lemmiwinks.singleton.Singleton`:



Collaboration diagram for lemmiwinks.singleton.Singleton:



Public Member Functions

- `def __call__ (cls, *args, **kwargs)`

Static Private Attributes

- `__instances = dict()`

9.109.1 Member Function Documentation

9.109.1.1 `__call__()`

```
def lemmiwinks.singleton.Singleton.__call__ (
    cls,
    * args,
    ** kwargs )
```

9.109.2 Member Data Documentation

9.109.2.1 `_instances`

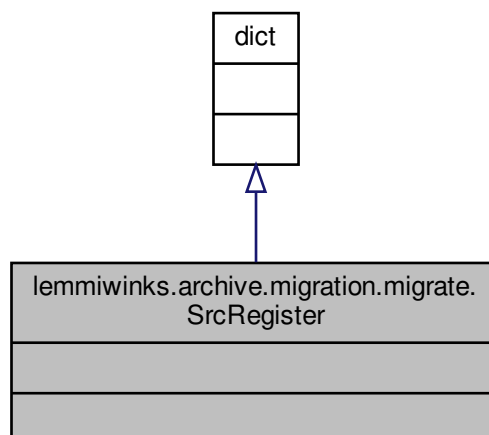
```
lemmiwinks.singleton.Singleton._instances = dict() [static], [private]
```

The documentation for this class was generated from the following file:

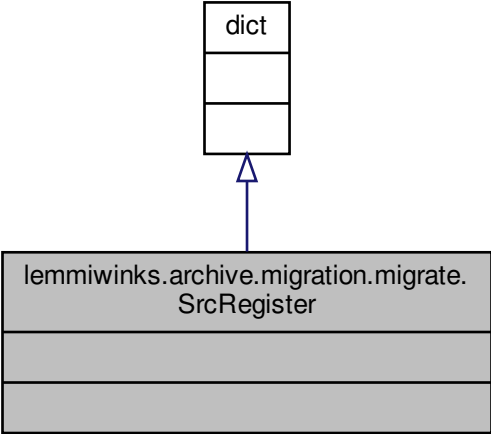
- [lemmit/lemmiwinks/singleton.py](#)

9.110 `lemmiwinks.archive.migration.migrate.SrcRegister` Class Reference

Inheritance diagram for `lemmiwinks.archive.migration.migrate.SrcRegister`:



Collaboration diagram for lemmiwinks.archive.migration.migrate.SrcRegister:

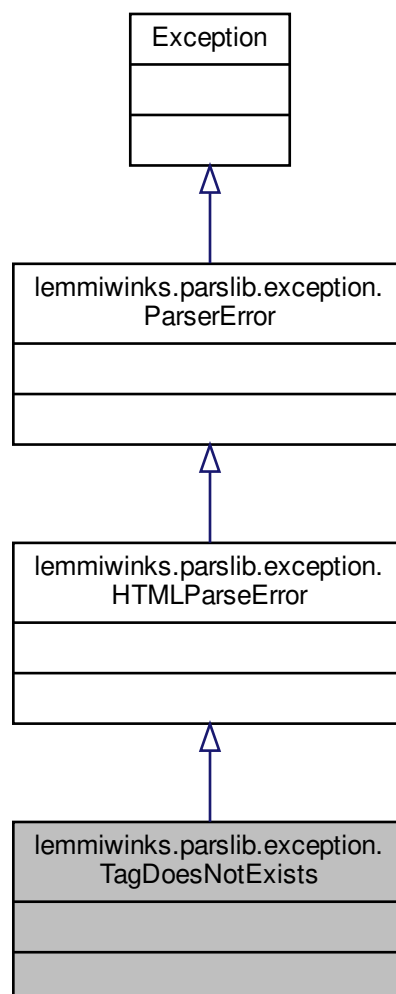


The documentation for this class was generated from the following file:

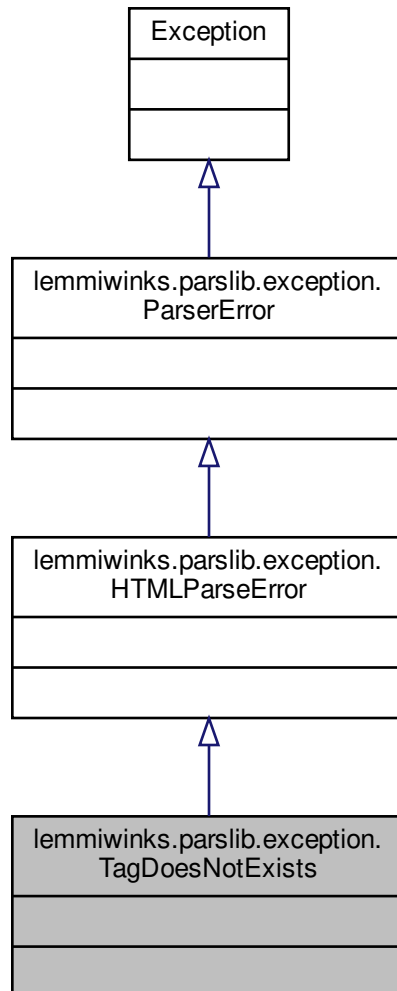
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.111 lemmywinks.parslib.exception.TagDoesNotExists Class Reference

Inheritance diagram for lemmywinks.parslib.exception.TagDoesNotExists:



Collaboration diagram for lemmiwinks.parslib.exception.TagDoesNotExists:

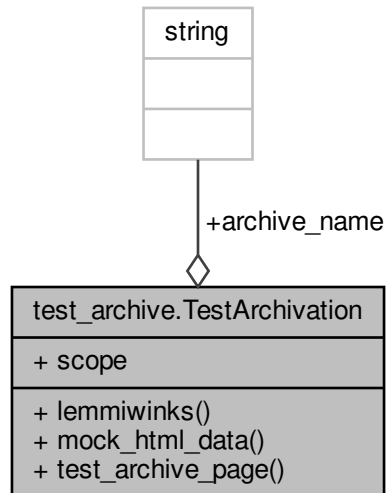


The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/parslib/exception.py](#)

9.112 test_archive.TestArchivation Class Reference

Collaboration diagram for test_archive.TestArchivation:



Public Member Functions

- def [lemmiwinks](#) (self)
- def [mock_html_data](#) (self)
- def [test_archive_page](#) (self, [mock_html_data](#), [lemmiwinks](#))

Static Public Attributes

- string [archive_name](#) = 'tests/zptuv5xf7t3am5'
- [scope](#)

9.112.1 Member Function Documentation

9.112.1.1 lemmiwinks()

```
def test_archive.TestArchivation.lemmiwinks (
    self )
```

9.112.1.2 mock_html_data()

```
def test_archive.TestArchivation.mock_html_data (
    self )
```

9.112.1.3 test_archive_page()

```
def test_archive.TestArchivation.test_archive_page (
    self,
    mock_html_data,
    lemmitwinks )
```

9.112.2 Member Data Documentation

9.112.2.1 archive_name

```
string test_archive.TestArchivation.archive_name = 'tests/zptuv5xf7t3am5' [static]
```

9.112.2.2 scope

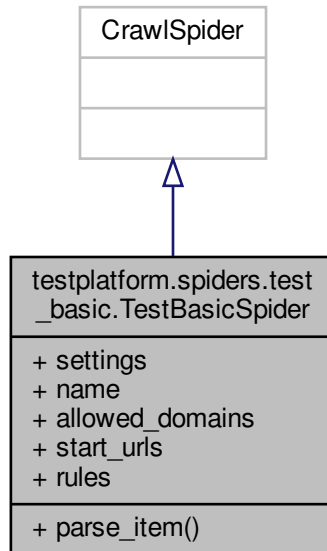
```
test_archive.TestArchivation.scope [static]
```

The documentation for this class was generated from the following file:

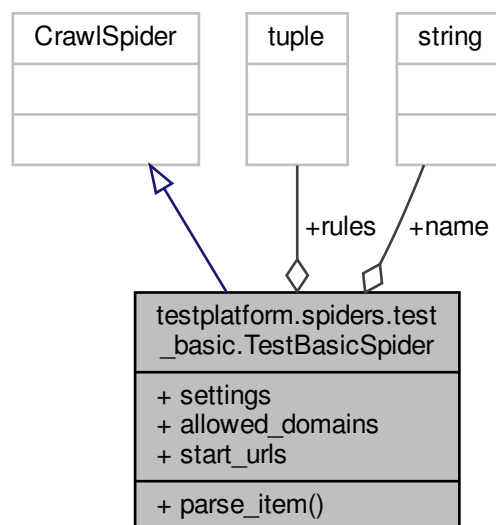
- [lemmit/tests/test_archive.py](#)

9.113 testplatform.spiders.test_basic.TestBasicSpider Class Reference

Inheritance diagram for testplatform.spiders.test_basic.TestBasicSpider:



Collaboration diagram for testplatform.spiders.test_basic.TestBasicSpider:



Public Member Functions

- ItemLoader [parse_item](#) (self, Response response)

Static Public Attributes

- [settings](#) = get_project_settings()
- string [name](#) = 'test_basic'
- [allowed_domains](#) = settings.getlist('ALLOWED_DOMAINS')
- [start_urls](#) = settings.getlist('START_URLS_BASIC')
- tuple [rules](#)

9.113.1 Member Function Documentation

9.113.1.1 [parse_item\(\)](#)

```
ItemLoader testplatform.spiders.test_basic.TestBasicSpider.parse_item (
    self,
    Response response )
```

This function parses a property page.

```
@url http://localhost:9312/properties/property_000000.html
@returns items 1
@scrapes title price description address image_urls
@scrapes url project spider server date
```

9.113.2 Member Data Documentation

9.113.2.1 [allowed_domains](#)

```
testplatform.spiders.test_basic.TestBasicSpider.allowed_domains = settings.getlist('ALLOWED_↵
DOMAINS') [static]
```

9.113.2.2 [name](#)

```
string testplatform.spiders.test_basic.TestBasicSpider.name = 'test_basic' [static]
```

9.113.2.3 rules

```
tuple testplatform.spiders.test_basic.TestBasicSpider.rules [static]
```

Initial value:

```
= (
    Rule(LinkExtractor(), callback='parse_item', follow=True),
)
```

9.113.2.4 settings

```
testplatform.spiders.test_basic.TestBasicSpider.settings = get_project_settings() [static]
```

9.113.2.5 start_urls

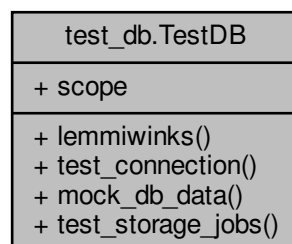
```
testplatform.spiders.test_basic.TestBasicSpider.start_urls = settings.getlist('START_URLS_BA↔
SIC') [static]
```

The documentation for this class was generated from the following file:

- [scrapit/tests/testplatform/testplatform/spiders/test_basic.py](#)

9.114 test_db.TestDB Class Reference

Collaboration diagram for test_db.TestDB:



Public Member Functions

- def [lemmiwinks](#) (self)
- def [test_connection](#) (self, [lemmiwinks](#))
- def [mock_db_data](#) (self)
- def [test_storage_jobs](#) (self, [mock_db_data](#), [lemmiwinks](#))

Static Public Attributes

- [scope](#)

9.114.1 Member Function Documentation

9.114.1.1 lemmiwinks()

```
def test_db.TestDB.lemmiwinks (
    self )
```

9.114.1.2 mock_db_data()

```
def test_db.TestDB.mock_db_data (
    self )
```

9.114.1.3 test_connection()

```
def test_db.TestDB.test_connection (
    self,
    lemmiwinks )
```

9.114.1.4 test_storage_jobs()

```
def test_db.TestDB.test_storage_jobs (
    self,
    mock_db_data,
    lemmiwinks )
```

9.114.2 Member Data Documentation

9.114.2.1 scope

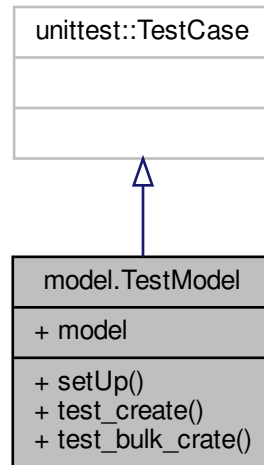
```
test_db.TestDB.scope [static]
```

The documentation for this class was generated from the following file:

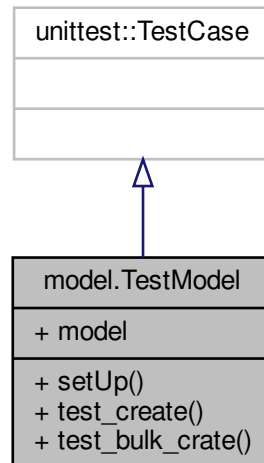
- [lemmit/tests/test_db.py](#)

9.115 model.TestModel Class Reference

Inheritance diagram for model.TestModel:



Collaboration diagram for model.TestModel:



Public Member Functions

- def `setUp` (self)
- def `test_create` (self)
- def `test_bulk_crate` (self)

Public Attributes

- [model](#)

9.115.1 Member Function Documentation

9.115.1.1 setUp()

```
def model.TestModel.setUp (
    self )
```

9.115.1.2 test_bulk_crate()

```
def model.TestModel.test_bulk_crate (
    self )
```

9.115.1.3 test_create()

```
def model.TestModel.test_create (
    self )
```

9.115.2 Member Data Documentation

9.115.2.1 model

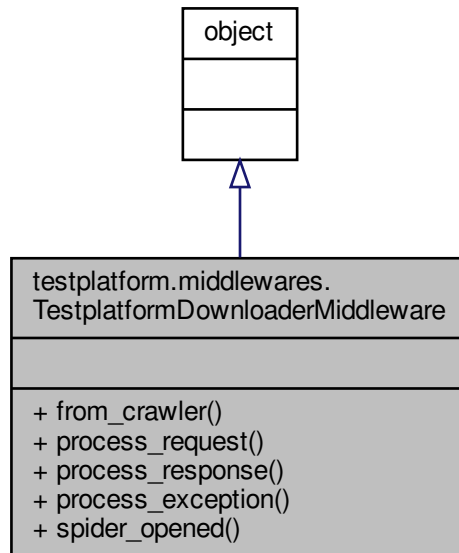
```
model.TestModel.model
```

The documentation for this class was generated from the following file:

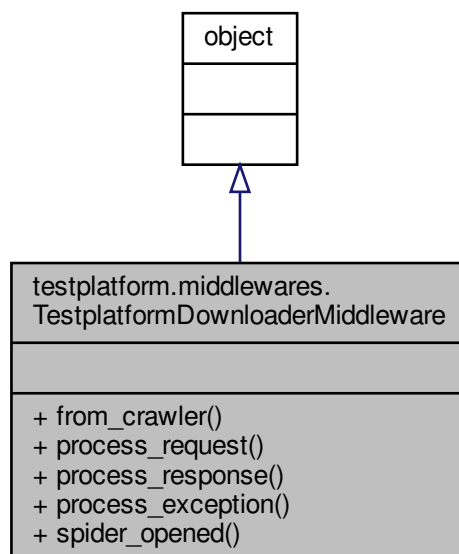
- [scrapit/tests/web/model.py](#)

9.116 testplatform.middlewares.TestplatformDownloaderMiddleware Class Reference

Inheritance diagram for testplatform.middlewares.TestplatformDownloaderMiddleware:



Collaboration diagram for testplatform.middlewares.TestplatformDownloaderMiddleware:



Public Member Functions

- def [from_crawler](#) (cls, crawler)
- def [process_request](#) (self, request, spider)
- def [process_response](#) (self, request, response, spider)
- def [process_exception](#) (self, request, exception, spider)
- def [spider_opened](#) (self, spider)

9.116.1 Member Function Documentation

9.116.1.1 [from_crawler\(\)](#)

```
def testplatform.middlewares.TestplatformDownloaderMiddleware.from_crawler (
    cls,
    crawler )
```

9.116.1.2 [process_exception\(\)](#)

```
def testplatform.middlewares.TestplatformDownloaderMiddleware.process_exception (
    self,
    request,
    exception,
    spider )
```

9.116.1.3 [process_request\(\)](#)

```
def testplatform.middlewares.TestplatformDownloaderMiddleware.process_request (
    self,
    request,
    spider )
```

9.116.1.4 [process_response\(\)](#)

```
def testplatform.middlewares.TestplatformDownloaderMiddleware.process_response (
    self,
    request,
    response,
    spider )
```

9.116.1.5 spider_opened()

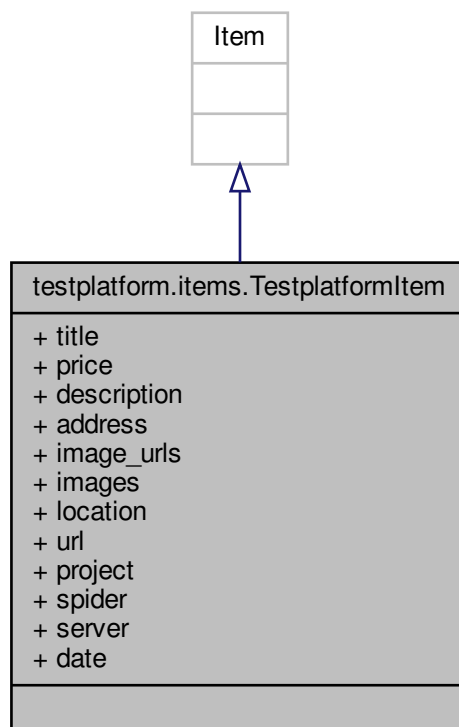
```
def testplatform.middlewares.TestplatformDownloaderMiddleware.spider_opened (
    self,
    spider )
```

The documentation for this class was generated from the following file:

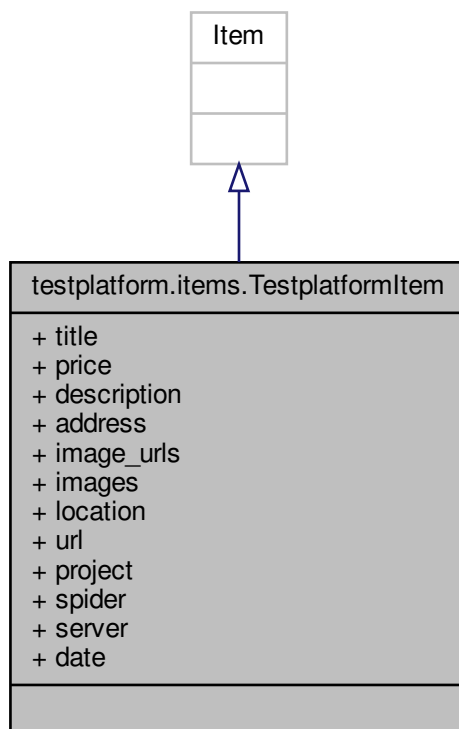
- [scrapit/tests/testplatform/testplatform/middlewares.py](#)

9.117 testplatform.items.TestplatformItem Class Reference

Inheritance diagram for testplatform.items.TestplatformItem:



Collaboration diagram for testplatform.items.TestplatformItem:



Static Public Attributes

- `title` = `Field()`
- `price` = `Field()`
- `description` = `Field()`
- `address` = `Field()`
- `image_urls` = `Field()`
- `images` = `Field()`
- `location` = `Field()`
- `url` = `Field()`
- `project` = `Field()`
- `spider` = `Field()`
- `server` = `Field()`
- `date` = `Field()`

9.117.1 Member Data Documentation

9.117.1.1 address

```
testplatform.items.TestplatformItem.address = Field() [static]
```

9.117.1.2 date

```
testplatform.items.TestplatformItem.date = Field() [static]
```

9.117.1.3 description

```
testplatform.items.TestplatformItem.description = Field() [static]
```

9.117.1.4 image_urls

```
testplatform.items.TestplatformItem.image_urls = Field() [static]
```

9.117.1.5 images

```
testplatform.items.TestplatformItem.images = Field() [static]
```

9.117.1.6 location

```
testplatform.items.TestplatformItem.location = Field() [static]
```

9.117.1.7 price

```
testplatform.items.TestplatformItem.price = Field() [static]
```

9.117.1.8 project

```
testplatform.items.TestplatformItem.project = Field() [static]
```

9.117.1.9 server

```
testplatform.items.TestplatformItem.server = Field() [static]
```

9.117.1.10 spider

```
testplatform.items.TestplatformItem.spider = Field() [static]
```

9.117.1.11 title

```
testplatform.items.TestplatformItem.title = Field() [static]
```

9.117.1.12 url

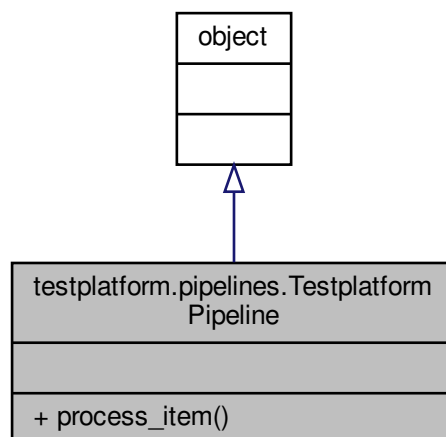
```
testplatform.items.TestplatformItem.url = Field() [static]
```

The documentation for this class was generated from the following file:

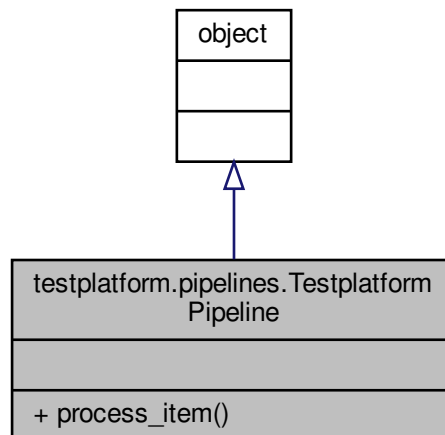
- [scrapit/tests/testplatform/testplatform/items.py](#)

9.118 testplatform.pipelines.TestplatformPipeline Class Reference

Inheritance diagram for testplatform.pipelines.TestplatformPipeline:



Collaboration diagram for `testplatform.pipelines.TestplatformPipeline`:



Public Member Functions

- def [process_item](#) (self, item, spider)

9.118.1 Member Function Documentation

9.118.1.1 process_item()

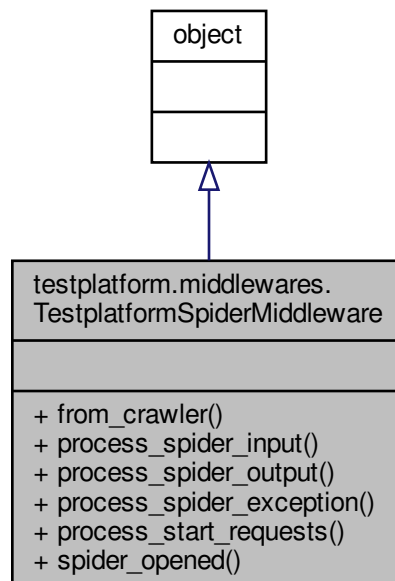
```
def testplatform.pipelines.TestplatformPipeline.process_item (
    self,
    item,
    spider )
```

The documentation for this class was generated from the following file:

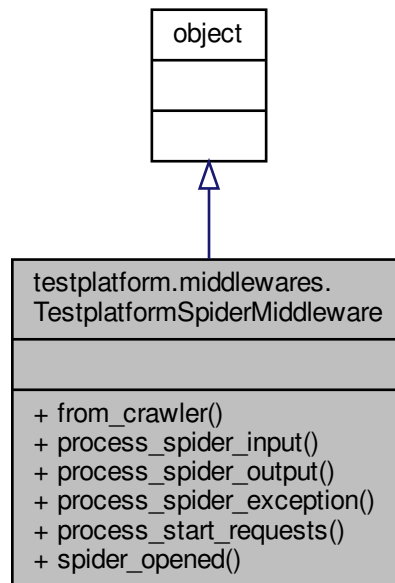
- [scrapit/tests/testplatform/testplatform/pipelines.py](#)

9.119 testplatform.middlewares.TestplatformSpiderMiddleware Class Reference

Inheritance diagram for testplatform.middlewares.TestplatformSpiderMiddleware:



Collaboration diagram for `testplatform.middlewares.TestplatformSpiderMiddleware`:



Public Member Functions

- def `from_crawler` (cls, crawler)
- def `process_spider_input` (self, response, spider)
- def `process_spider_output` (self, response, result, spider)
- def `process_spider_exception` (self, response, exception, spider)
- def `process_start_requests` (self, start_requests, spider)
- def `spider_opened` (self, spider)

9.119.1 Member Function Documentation

9.119.1.1 `from_crawler()`

```

def testplatform.middlewares.TestplatformSpiderMiddleware.from_crawler (
    cls,
    crawler )
  
```

9.119.1.2 process_spider_exception()

```
def testplatform.middlewares.TestplatformSpiderMiddleware.process_spider_exception (
    self,
    response,
    exception,
    spider )
```

9.119.1.3 process_spider_input()

```
def testplatform.middlewares.TestplatformSpiderMiddleware.process_spider_input (
    self,
    response,
    spider )
```

9.119.1.4 process_spider_output()

```
def testplatform.middlewares.TestplatformSpiderMiddleware.process_spider_output (
    self,
    response,
    result,
    spider )
```

9.119.1.5 process_start_requests()

```
def testplatform.middlewares.TestplatformSpiderMiddleware.process_start_requests (
    self,
    start_requests,
    spider )
```

9.119.1.6 spider_opened()

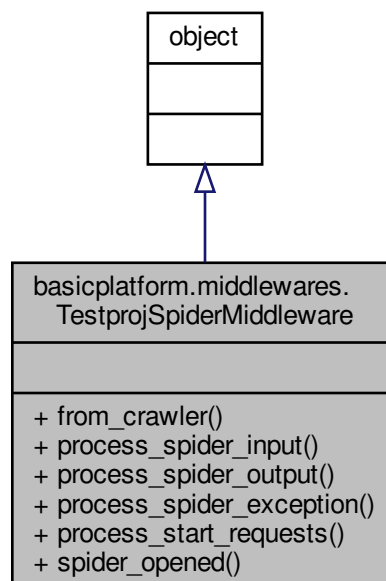
```
def testplatform.middlewares.TestplatformSpiderMiddleware.spider_opened (
    self,
    spider )
```

The documentation for this class was generated from the following file:

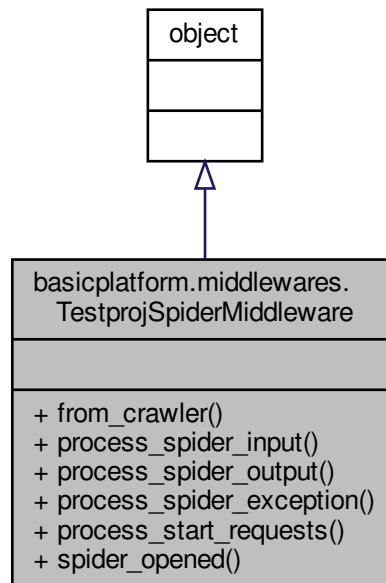
- [scrapit/tests/testplatform/testplatform/middlewares.py](#)

9.120 basicplatform.middlewares.TestprojSpiderMiddleware Class Reference

Inheritance diagram for basicplatform.middlewares.TestprojSpiderMiddleware:



Collaboration diagram for basicplatform.middlewares.TestprojSpiderMiddleware:



Public Member Functions

- def [from_crawler](#) (cls, crawler)
- def [process_spider_input](#) (self, response, spider)
- def [process_spider_output](#) (self, response, result, spider)
- def [process_spider_exception](#) (self, response, exception, spider)
- def [process_start_requests](#) (self, start_requests, spider)
- def [spider_opened](#) (self, spider)

9.120.1 Member Function Documentation

9.120.1.1 from_crawler()

```
def basicplatform.middlewares.TestprojSpiderMiddleware.from_crawler (
    cls,
    crawler )
```

9.120.1.2 process_spider_exception()

```
def basicplatform.middlewares.TestprojSpiderMiddleware.process_spider_exception (
    self,
    response,
    exception,
    spider )
```

9.120.1.3 process_spider_input()

```
def basicplatform.middlewares.TestprojSpiderMiddleware.process_spider_input (
    self,
    response,
    spider )
```

9.120.1.4 process_spider_output()

```
def basicplatform.middlewares.TestprojSpiderMiddleware.process_spider_output (
    self,
    response,
    result,
    spider )
```

9.120.1.5 process_start_requests()

```
def basicplatform.middlewares.TestprojSpiderMiddleware.process_start_requests (
    self,
    start_requests,
    spider )
```

9.120.1.6 spider_opened()

```
def basicplatform.middlewares.TestprojSpiderMiddleware.spider_opened (
    self,
    spider )
```

The documentation for this class was generated from the following file:

- [scrapit/basicplatform/basicplatform/middlewares.py](#)

9.121 test_redis.TestRedis Class Reference

Collaboration diagram for test_redis.TestRedis:

test_redis.TestRedis
+ scope
+ test_connection() + mock_redis_input() + test_serialization()

Public Member Functions

- def [test_connection](#) (self)
- def [mock_redis_input](#) (self)
- def [test_serialization](#) (self, [mock_redis_input](#))

Static Public Attributes

- [scope](#)

9.121.1 Member Function Documentation

9.121.1.1 mock_redis_input()

```
def test_redis.TestRedis.mock_redis_input (  
    self )
```

9.121.1.2 test_connection()

```
def test_redis.TestRedis.test_connection (  
    self )
```

9.121.1.3 test_serialization()

```
def test_redis.TestRedis.test_serialization (
    self,
    mock_redis_input )
```

9.121.2 Member Data Documentation

9.121.2.1 scope

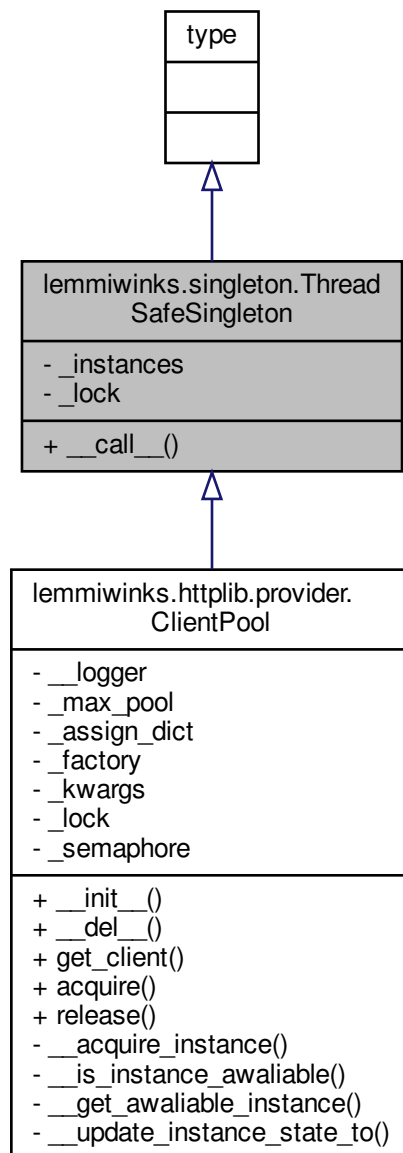
```
test_redis.TestRedis.scope [static]
```

The documentation for this class was generated from the following file:

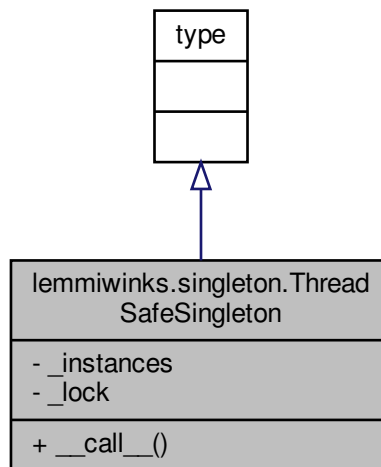
- [lemmit/tests/test_redis.py](#)

9.122 lemmywinks.singleton.ThreadSafeSingleton Class Reference

Inheritance diagram for lemmywinks.singleton.ThreadSafeSingleton:



Collaboration diagram for `lemmiwinks.singleton.ThreadSafeSingleton`:



Public Member Functions

- `def __call__ (cls, *args, **kwargs)`

Static Private Attributes

- `_instances = dict()`
- `_lock = threading.Lock()`

9.122.1 Member Function Documentation

9.122.1.1 `__call__()`

```
def lemmiwinks.singleton.ThreadSafeSingleton.__call__ (
    cls,
    * args,
    ** kwargs )
```

9.122.2 Member Data Documentation

9.122.2.1 `_instances`

```
lemmiwinks.singleton.ThreadSafeSingleton._instances = dict() [static], [private]
```

9.122.2.2 `_lock`

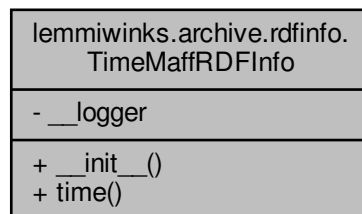
```
lemmiwinks.singleton.ThreadSafeSingleton._lock = threading.Lock() [static], [private]
```

The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/singleton.py](#)

9.123 lemmiwinks.archive.rdfinfo.TimeMaffRDFInfo Class Reference

Collaboration diagram for lemmiwinks.archive.rdfinfo.TimeMaffRDFInfo:



Public Member Functions

- def `__init__`(self)
- def `time`(self)

Private Attributes

- `__logger`

9.123.1 Constructor & Destructor Documentation

9.123.1.1 `__init__()`

```
def lemmitwinks.archive.rdfinfo.TimeMaffRDFInfo.__init__ (
    self )
```

9.123.2 Member Function Documentation

9.123.2.1 `time()`

```
def lemmitwinks.archive.rdfinfo.TimeMaffRDFInfo.time (
    self )
```

9.123.3 Member Data Documentation

9.123.3.1 `__logger`

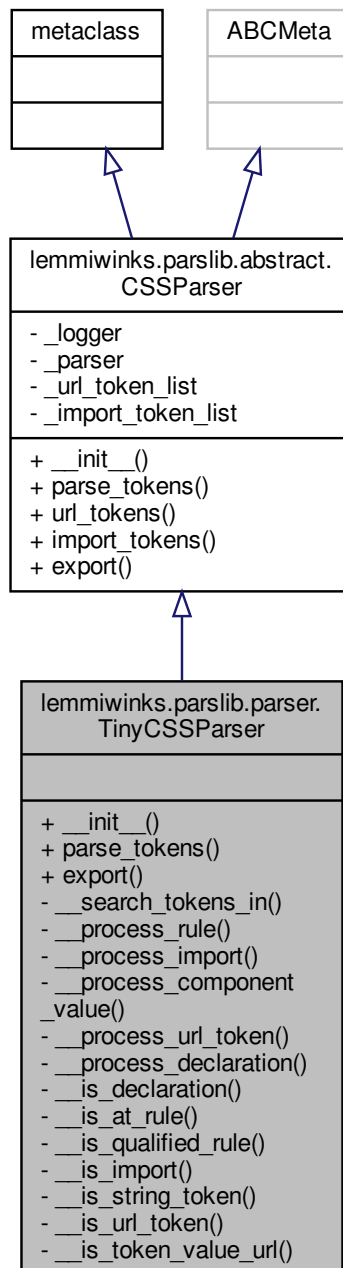
```
lemmitwinks.archive.rdfinfo.TimeMaffRDFInfo.__logger [private]
```

The documentation for this class was generated from the following file:

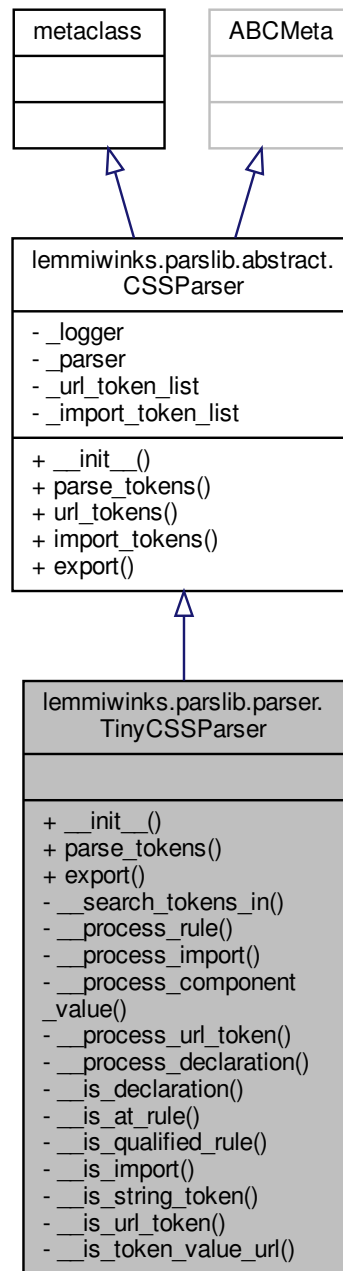
- [lemmit/lemmitwinks/archive/rdfinfo.py](#)

9.124 lemmiwinks.parslib.parser.TinyCSSParser Class Reference

Inheritance diagram for lemmiwinks.parslib.parser.TinyCSSParser:



Collaboration diagram for `lemmiwinks.parslib.parser.TinyCSSParser`:



Public Member Functions

- `def __init__ (self, parser)`
- `def parse_tokens (self)`
- `def export (self)`

Private Member Functions

- def [__search_tokens_in](#) (self, rule)
- def [__process_rule](#) (self, rule)
- def [__process_import](#) (self, rule)
- def [__process_component_value](#) (self, component_value)
- def [__process_url_token](#) (self, token)
- def [__process_declaration](#) (self, rule)

Static Private Member Functions

- def [__is_declaration](#) (rule)
- def [__is_at_rule](#) (rule)
- def [__is_qualified_rule](#) (rule)
- def [__is_import](#) (rule)
- def [__is_string_token](#) (rule)
- def [__is_url_token](#) (rule)
- def [__is_token_value_url](#) (token)

9.124.1 Constructor & Destructor Documentation

9.124.1.1 [__init__\(\)](#)

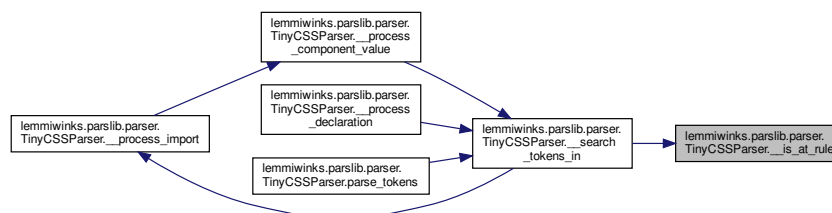
```
def lemmiwinks.parslib.parser.TinyCSSParser.__init__ (
    self,
    parser )
```

9.124.2 Member Function Documentation

9.124.2.1 [__is_at_rule\(\)](#)

```
def lemmiwinks.parslib.parser.TinyCSSParser.__is_at_rule (
    rule ) [static], [private]
```

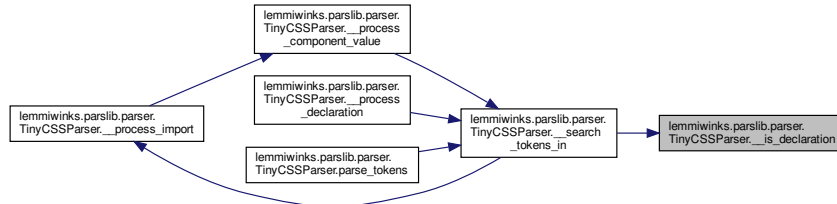
Here is the caller graph for this function:



9.124.2.2 `__is_declaration()`

```
def lemmiwinks.parslib.parser.TinyCSSParser.__is_declaration (
    rule ) [static], [private]
```

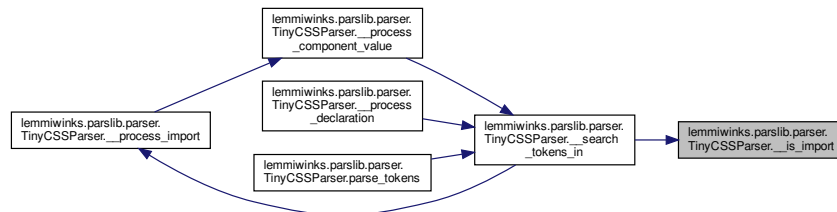
Here is the caller graph for this function:



9.124.2.3 `__is_import()`

```
def lemmiwinks.parslib.parser.TinyCSSParser.__is_import (
    rule ) [static], [private]
```

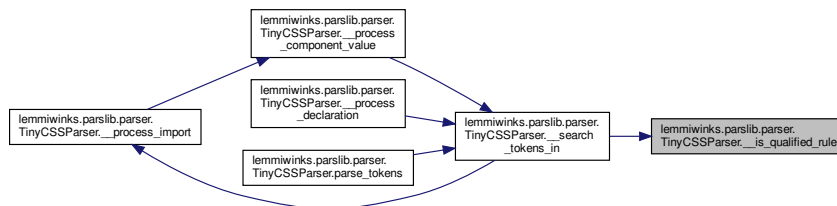
Here is the caller graph for this function:



9.124.2.4 `__is_qualified_rule()`

```
def lemmiwinks.parslib.parser.TinyCSSParser.__is_qualified_rule (
    rule ) [static], [private]
```

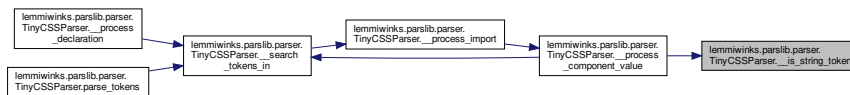
Here is the caller graph for this function:



9.124.2.5 `__is_string_token()`

```
def lemmiwinks.parslib.parser.TinyCSSParser.__is_string_token (
    rule ) [static], [private]
```

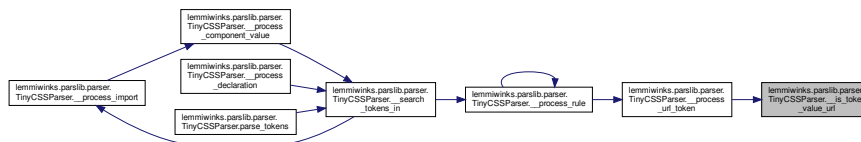
Here is the caller graph for this function:



9.124.2.6 `__is_token_value_url()`

```
def lemmiwinks.parslib.parser.TinyCSSParser.__is_token_value_url (
    token ) [static], [private]
```

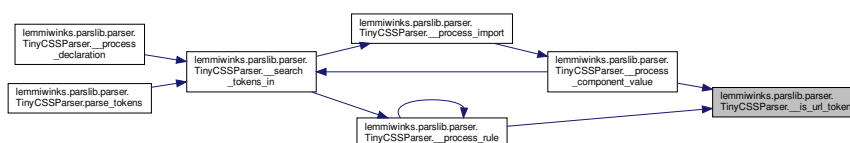
Here is the caller graph for this function:



9.124.2.7 `__is_url_token()`

```
def lemmiwinks.parslib.parser.TinyCSSParser.__is_url_token (
    rule ) [static], [private]
```

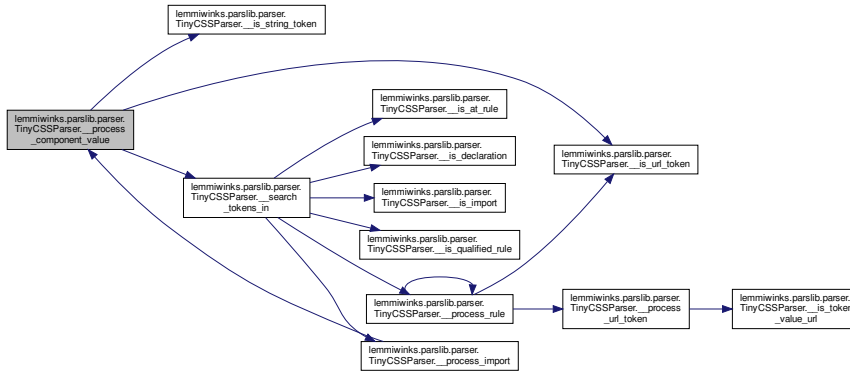
Here is the caller graph for this function:



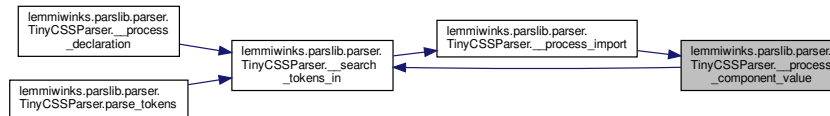
9.124.2.8 `__process_component_value()`

```
def lemmiwinks.parslib.parser.TinyCSSParser.__process_component_value (
    self,
    component_value ) [private]
```

Here is the call graph for this function:



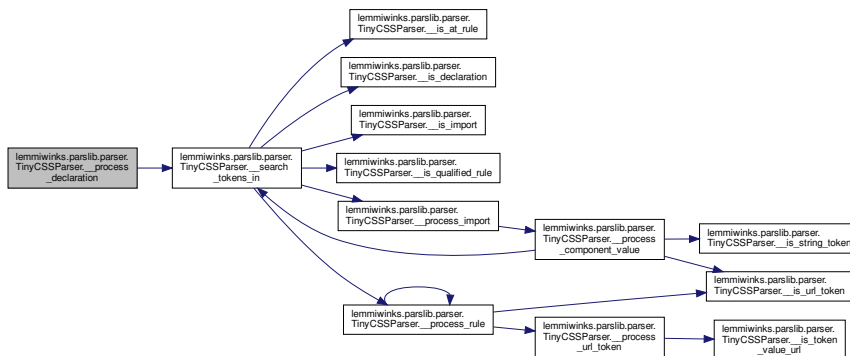
Here is the caller graph for this function:



9.124.2.9 `__process_declaration()`

```
def lemmiwinks.parslib.parser.TinyCSSParser.__process_declaration (
    self,
    rule ) [private]
```

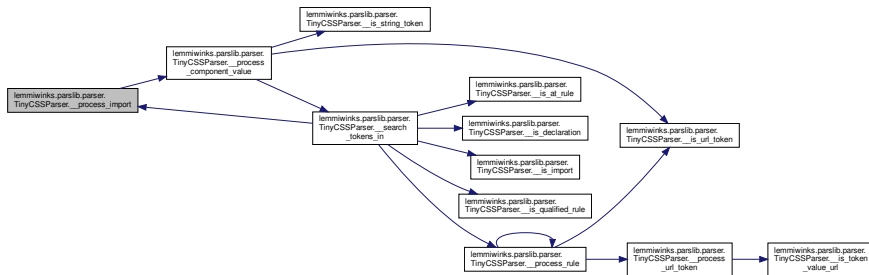
Here is the call graph for this function:



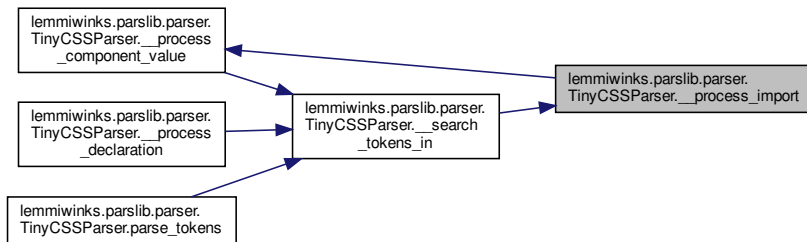
9.124.2.10 __process_import()

```
def lemmiwinks.parslib.parser.TinyCSSParser.__process_import (
    self,
    rule ) [private]
```

Here is the call graph for this function:



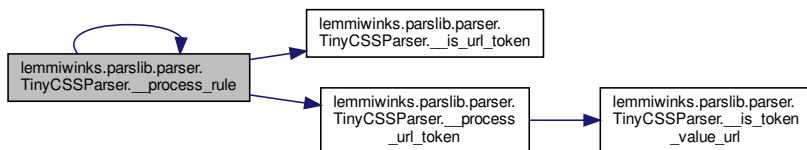
Here is the caller graph for this function:



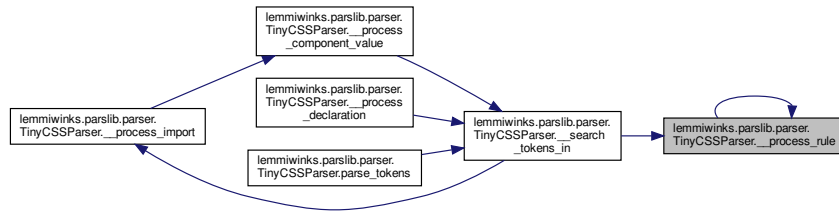
9.124.2.11 __process_rule()

```
def lemmiwinks.parslib.parser.TinyCSSParser.__process_rule (
    self,
    rule ) [private]
```

Here is the call graph for this function:



Here is the caller graph for this function:

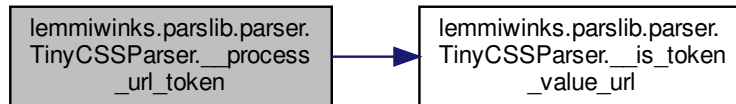


9.124.2.12 __process_url_token()

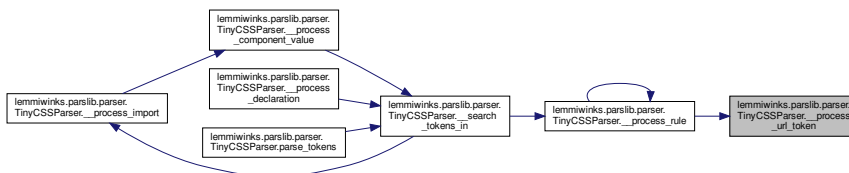
```

def lemmiwinks.parslib.parser.TinyCSSParser.__process_url_token (
    self,
    token ) [private]
  
```

Here is the call graph for this function:



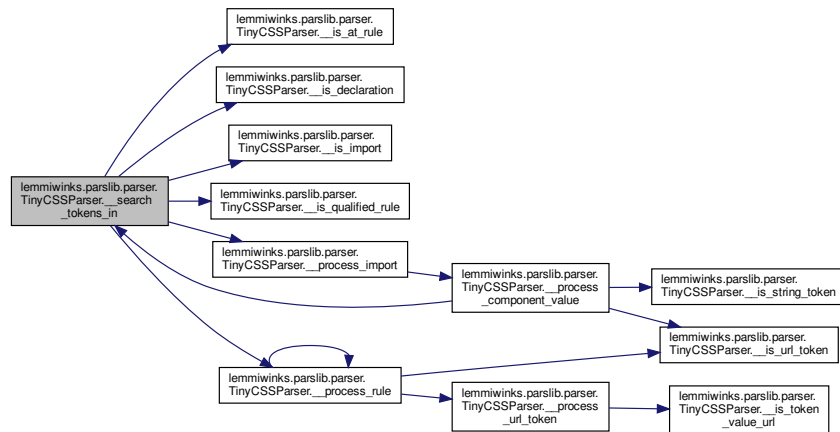
Here is the caller graph for this function:



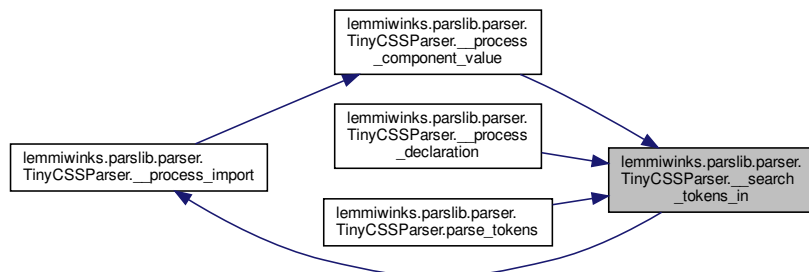
9.124.2.13 `__search_tokens_in()`

```
def lemmiwinks.parslib.parser.TinyCSSParser.__search_tokens_in (
    self,
    rule ) [private]
```

Here is the call graph for this function:



Here is the caller graph for this function:

9.124.2.14 `export()`

```
def lemmiwinks.parslib.parser.TinyCSSParser.export (
    self )
```

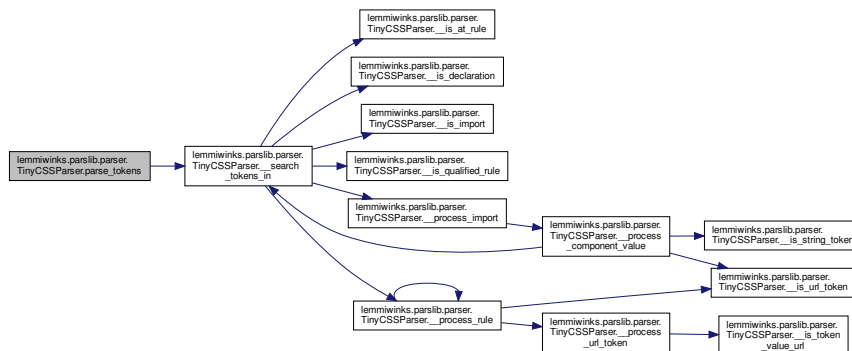
Reimplemented from [lemmiwinks.parslib.abstract.CSSParser](#).

9.124.2.15 `parse_tokens()`

```
def lemmitwinks.parslib.parser.TinyCSSParser.parse_tokens (
    self )
```

Reimplemented from [lemmitwinks.parslib.abstract.CSSParser](#).

Here is the call graph for this function:

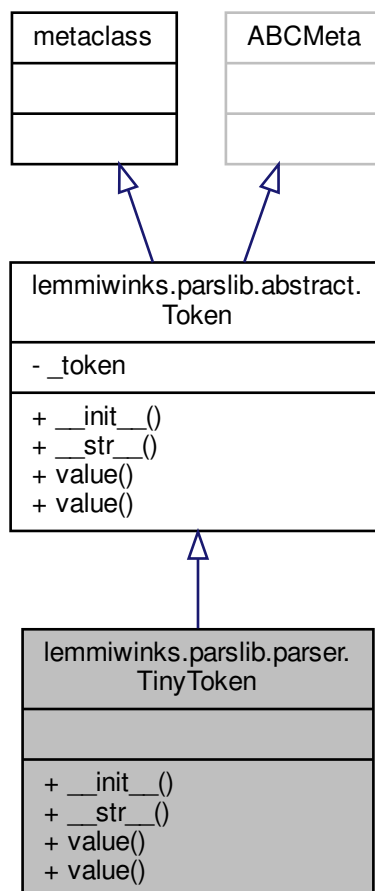


The documentation for this class was generated from the following file:

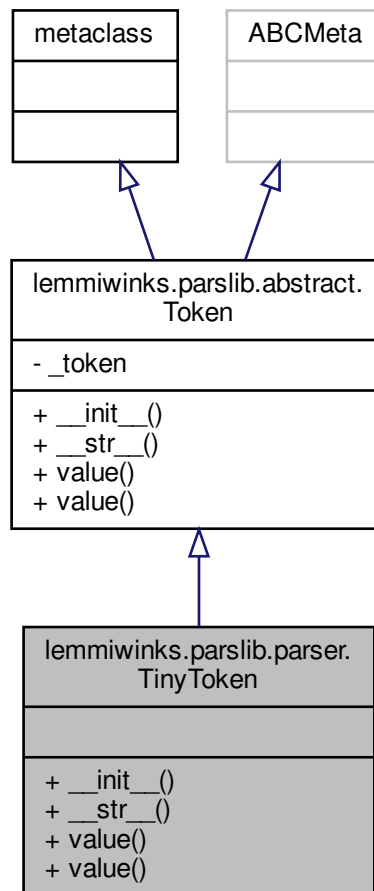
- [lemmit/lemmitwinks/parslib/parser.py](#)

9.125 lemmywinks.parslib.parser.TinyToken Class Reference

Inheritance diagram for lemmywinks.parslib.parser.TinyToken:



Collaboration diagram for `lemmiwinks.parslib.parser.TinyToken`:



Public Member Functions

- `def __init__(self, token)`
- `def __str__(self)`
- `def value(self)`
- `def value(self, value)`

9.125.1 Constructor & Destructor Documentation

9.125.1.1 `__init__()`

```
def lemmiwinks.parslib.parser.TinyToken.__init__(
    self,
    token )
```

Reimplemented from [lemmiwinks.parslib.abstract.Token](#).

9.125.2 Member Function Documentation

9.125.2.1 `__str__()`

```
def lemmiwinks.parslib.parser.TinyToken.__str__ (
    self )
```

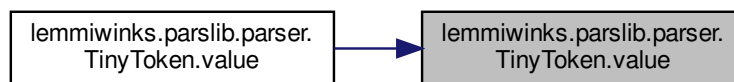
Reimplemented from [lemmiwinks.parslib.abstract.Token](#).

9.125.2.2 `value()` [1/2]

```
def lemmiwinks.parslib.parser.TinyToken.value (
    self )
```

Reimplemented from [lemmiwinks.parslib.abstract.Token](#).

Here is the caller graph for this function:

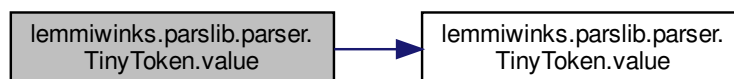


9.125.2.3 `value()` [2/2]

```
def lemmiwinks.parslib.parser.TinyToken.value (
    self,
    value )
```

Reimplemented from [lemmiwinks.parslib.abstract.Token](#).

Here is the call graph for this function:

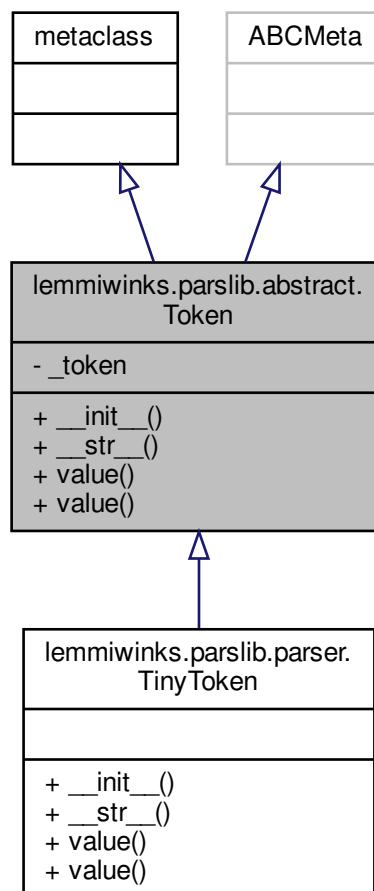


The documentation for this class was generated from the following file:

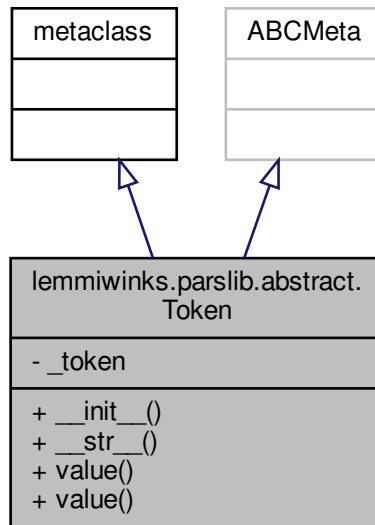
- [lemmit/lemmiwinks/parslib/parser.py](#)

9.126 lemmywinks.parslib.abstract.Token Class Reference

Inheritance diagram for lemmywinks.parslib.abstract.Token:



Collaboration diagram for lemmiwinks.parslib.abstract.Token:



Public Member Functions

- `def __init__ (self, token)`
- `def __str__ (self)`
- `def value (self)`
- `def value (self, value)`

Private Attributes

- `__token`

9.126.1 Constructor & Destructor Documentation

9.126.1.1 `__init__()`

```
def lemmiwinks.parslib.abstract.Token.__init__ (
    self,
    token )
```

Reimplemented in [lemmiwinks.parslib.parser.TinyToken](#).

9.126.2 Member Function Documentation

9.126.2.1 `__str__()`

```
def lemmiwinks.parslib.abstract.Token.__str__ (
    self )
```

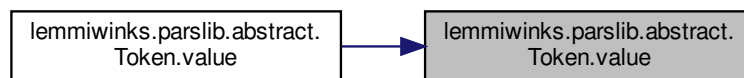
Reimplemented in [lemmiwinks.parslib.parser.TinyToken](#).

9.126.2.2 `value()` [1/2]

```
def lemmiwinks.parslib.abstract.Token.value (
    self )
```

Reimplemented in [lemmiwinks.parslib.parser.TinyToken](#).

Here is the caller graph for this function:

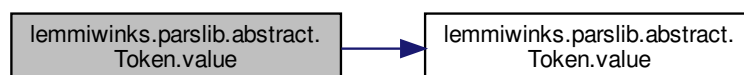


9.126.2.3 `value()` [2/2]

```
def lemmiwinks.parslib.abstract.Token.value (
    self,
    value )
```

Reimplemented in [lemmiwinks.parslib.parser.TinyToken](#).

Here is the call graph for this function:



9.126.3 Member Data Documentation

9.126.3.1 `_token`

`lemmywinks.parslib.abstract.Token._token` [private]

The documentation for this class was generated from the following file:

- [lemmit/lemmywinks/parslib/abstract.py](#)

9.127 lemmywinks.archive.migration.migrate.TokenTaskContainer Class Reference

Collaboration diagram for `lemmywinks.archive.migration.migrate.TokenTaskContainer`:

lemmywinks.archive.migration.migrate. TokenTaskContainer
- <code>__token_value_updater</code> - <code>__download_token</code> - <code>__css_file_handler</code>
+ <code>__init__()</code> + <code>update_url_token()</code> + <code>update_import_token()</code>

Public Member Functions

- `def __init__(self, entity_property, settings)`
- `def update_url_token(self, token)`
- `def update_import_token(self, token)`

Private Attributes

- `__token_value_updater`
- `__download_token`
- `__css_file_handler`

9.127.1 Constructor & Destructor Documentation

9.127.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.TokenTaskContainer.__init__ (
    self,
    entity_property,
    settings )
```

9.127.2 Member Function Documentation

9.127.2.1 `update_import_token()`

```
def lemmiwinks.archive.migration.migrate.TokenTaskContainer.update_import_token (
    self,
    token )
```

9.127.2.2 `update_url_token()`

```
def lemmiwinks.archive.migration.migrate.TokenTaskContainer.update_url_token (
    self,
    token )
```

9.127.3 Member Data Documentation

9.127.3.1 `__css_file_handler`

```
lemmiwinks.archive.migration.migrate.TokenTaskContainer.__css_file_handler [private]
```

9.127.3.2 `__download_token`

```
lemmiwinks.archive.migration.migrate.TokenTaskContainer.__download_token [private]
```

9.127.3.3 `__token_value_updater`

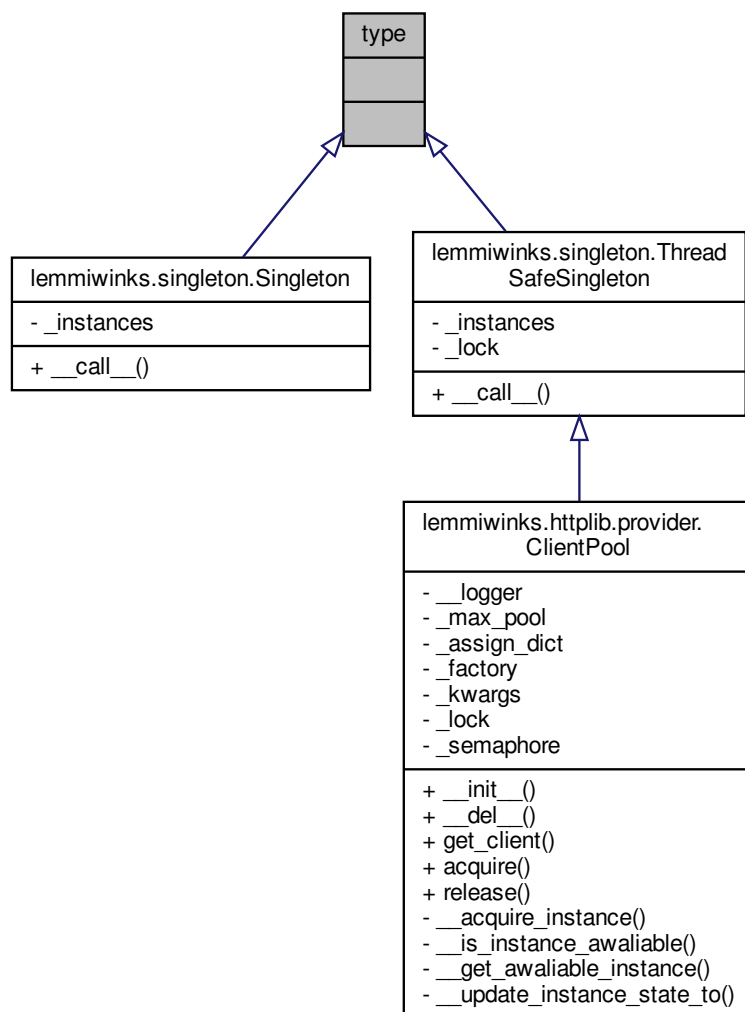
```
lemmiwinks.archive.migration.migrate.TokenTaskContainer.__token_value_updater [private]
```

The documentation for this class was generated from the following file:

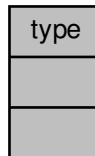
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.128 type Class Reference

Inheritance diagram for type:



Collaboration diagram for type:

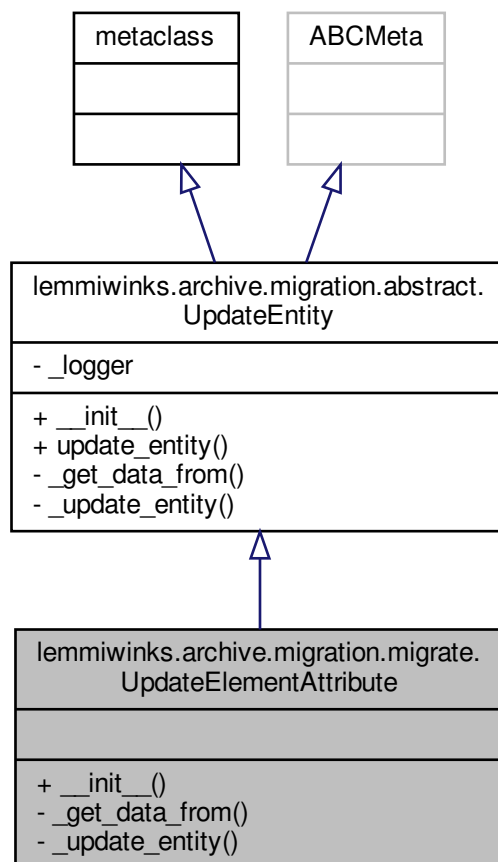


The documentation for this class was generated from the following file:

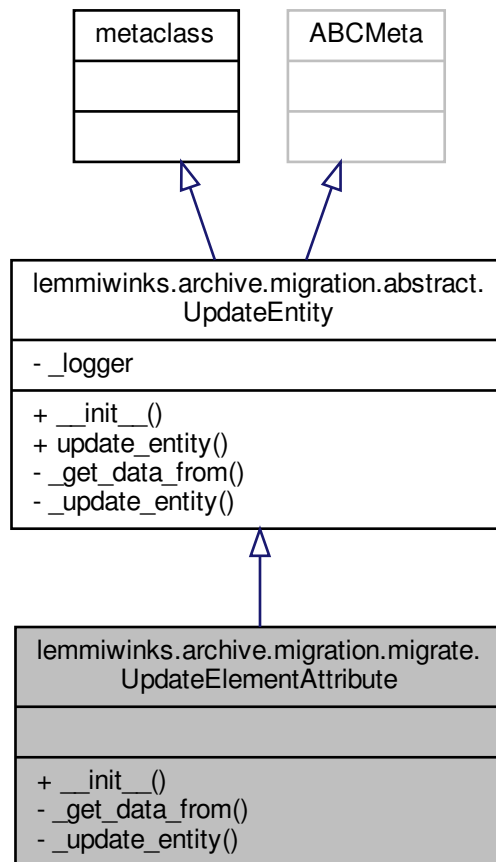
- [lemmit/lemmiwinks/singleton.py](#)

9.129 lemmywinks.archive.migration.migrate.UpdateElementAttribute Class Reference

Inheritance diagram for lemmywinks.archive.migration.migrate.UpdateElementAttribute:



Collaboration diagram for `lemmiwinks.archive.migration.migrate.UpdateElementAttribute`:



Public Member Functions

- `def __init__(self)`

Private Member Functions

- `def _get_data_from(self, entity, **kwargs)`
- `def _update_entity(self, data, entity, **kwargs)`

9.129.1 Constructor & Destructor Documentation

9.129.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.UpdateElementAttribute.__init__ (
    self )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.UpdateEntity](#).

9.129.2 Member Function Documentation

9.129.2.1 `_get_data_from()`

```
def lemmiwinks.archive.migration.migrate.UpdateElementAttribute._get_data_from (
    self,
    entity,
    ** kwargs ) [private]
```

Reimplemented from [lemmiwinks.archive.migration.abstract.UpdateEntity](#).

9.129.2.2 `_update_entity()`

```
def lemmiwinks.archive.migration.migrate.UpdateElementAttribute._update_entity (
    self,
    data,
    entity,
    ** kwargs ) [private]
```

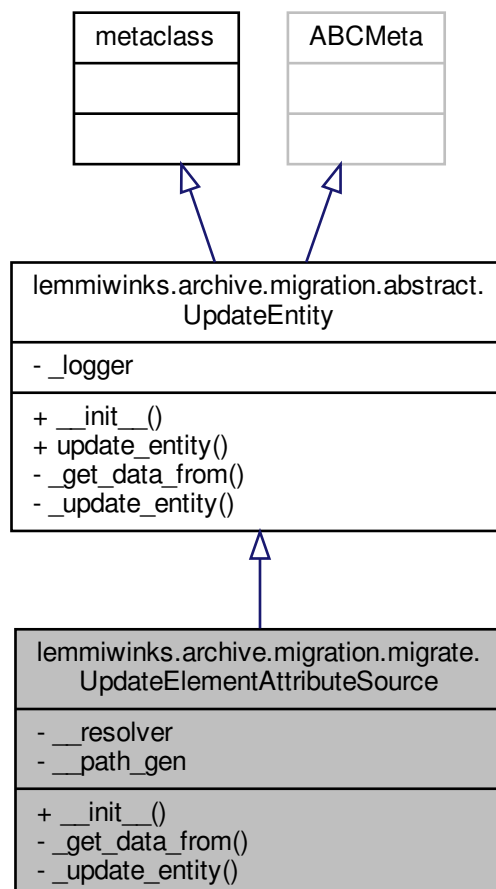
Reimplemented from [lemmiwinks.archive.migration.abstract.UpdateEntity](#).

The documentation for this class was generated from the following file:

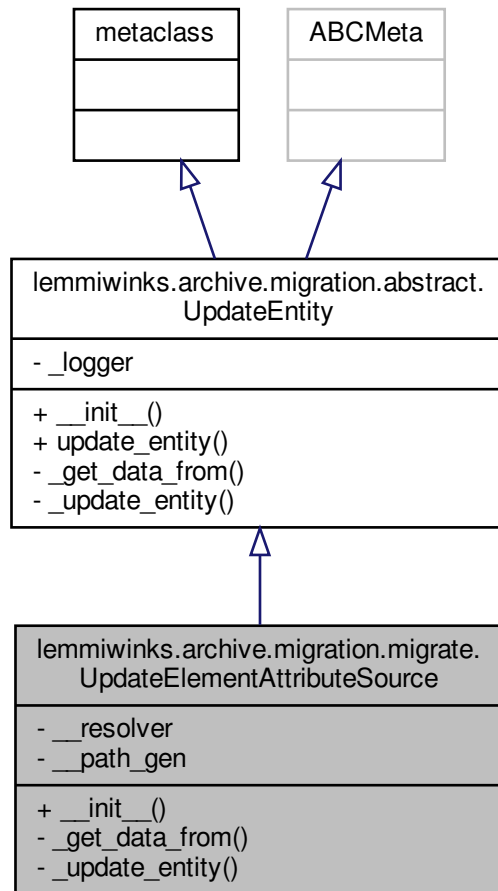
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.130 lemmywinks.archive.migration.migrate.UpdateElementAttributeSource Class Reference

Inheritance diagram for lemmywinks.archive.migration.migrate.UpdateElementAttributeSource:



Collaboration diagram for lemmiwinks.archive.migration.migrate.UpdateElementAttributeSource:



Public Member Functions

- `def __init__(self, resolver, path_gen)`

Private Member Functions

- `def _get_data_from(self, entity, **kwargs)`
- `def _update_entity(self, data, entity, **kwargs)`

Private Attributes

- `__resolver`
- `__path_gen`

9.130.1 Constructor & Destructor Documentation

9.130.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.UpdateElementAttributeSource.__init__ (
    self,
    resolver,
    path_gen )
```

9.130.2 Member Function Documentation

9.130.2.1 `_get_data_from()`

```
def lemmiwinks.archive.migration.migrate.UpdateElementAttributeSource._get_data_from (
    self,
    entity,
    ** kwargs ) [private]
```

Reimplemented from [lemmiwinks.archive.migration.abstract.UpdateEntity](#).

9.130.2.2 `_update_entity()`

```
def lemmiwinks.archive.migration.migrate.UpdateElementAttributeSource._update_entity (
    self,
    data,
    entity,
    ** kwargs ) [private]
```

Reimplemented from [lemmiwinks.archive.migration.abstract.UpdateEntity](#).

9.130.3 Member Data Documentation

9.130.3.1 `__path_gen`

```
lemmiwinks.archive.migration.migrate.UpdateElementAttributeSource.__path_gen [private]
```

9.130.3.2 `__resolver`

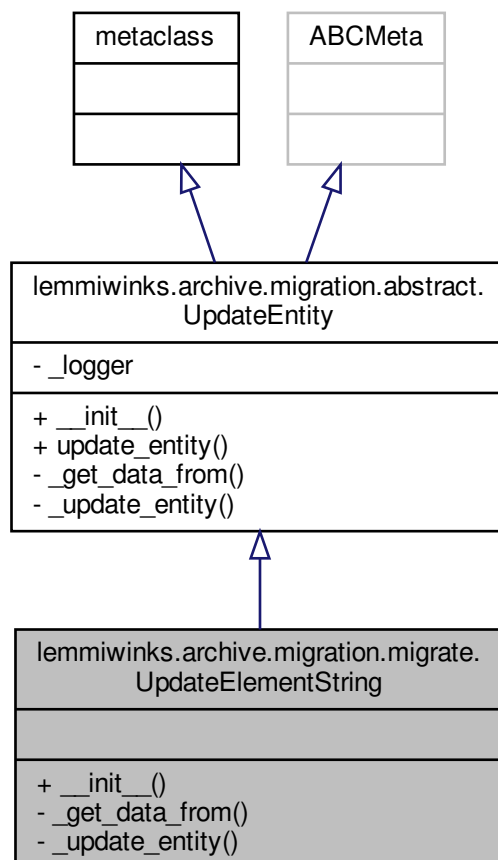
`lemmiwinks.archive.migration.migrate.UpdateElementAttributeSource.__resolver` [private]

The documentation for this class was generated from the following file:

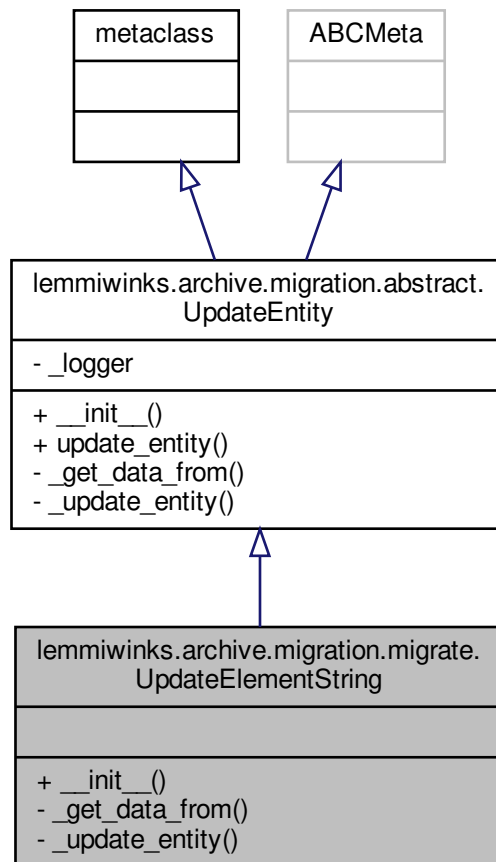
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.131 lemmiwinks.archive.migration.migrate.UpdateElementString Class Reference

Inheritance diagram for `lemmiwinks.archive.migration.migrate.UpdateElementString`:



Collaboration diagram for `lemmiwinks.archive.migration.migrate.UpdateElementString`:



Public Member Functions

- `def __init__(self)`

Private Member Functions

- `def _get_data_from(self, entity, **kwargs)`
- `def _update_entity(self, data, entity, **kwargs)`

9.131.1 Constructor & Destructor Documentation

9.131.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.UpdateElementString.__init__ (
    self )
```

Reimplemented from [lemmiwinks.archive.migration.abstract.UpdateEntity](#).

9.131.2 Member Function Documentation

9.131.2.1 `_get_data_from()`

```
def lemmiwinks.archive.migration.migrate.UpdateElementString._get_data_from (
    self,
    entity,
    ** kwargs ) [private]
```

Reimplemented from [lemmiwinks.archive.migration.abstract.UpdateEntity](#).

9.131.2.2 `_update_entity()`

```
def lemmiwinks.archive.migration.migrate.UpdateElementString._update_entity (
    self,
    data,
    entity,
    ** kwargs ) [private]
```

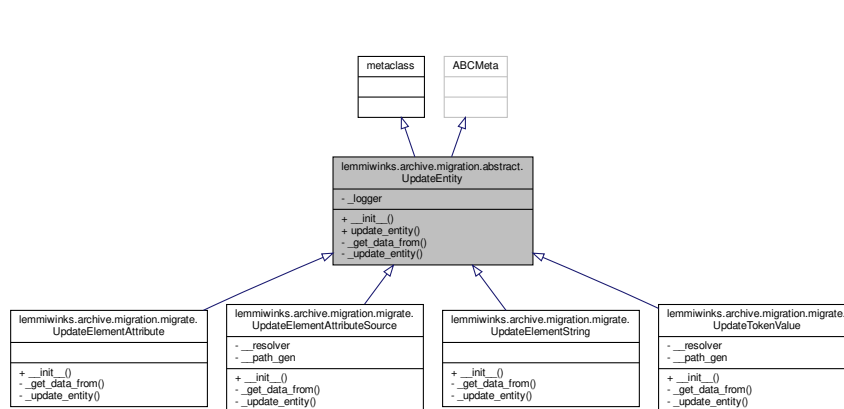
Reimplemented from [lemmiwinks.archive.migration.abstract.UpdateEntity](#).

The documentation for this class was generated from the following file:

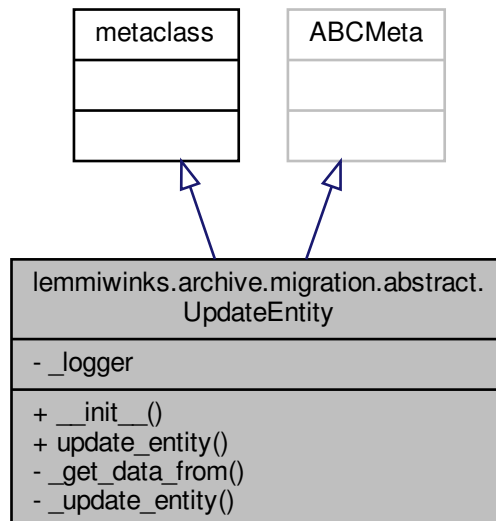
- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.132 lemmywinks.archive.migration.abstract.UpdateEntity Class Reference

Inheritance diagram for lemmywinks.archive.migration.abstract.UpdateEntity:



Collaboration diagram for lemmywinks.archive.migration.abstract.UpdateEntity:



Public Member Functions

- def `__init__`(self)
- def `update_entity`(self, handler, entity, **kwargs)

Private Member Functions

- `def _get_data_from` (self, entity, **kwargs)
- `def _update_entity` (self, data, entity, **kwargs)

Private Attributes

- `_logger`

9.132.1 Constructor & Destructor Documentation

9.132.1.1 `__init__()`

```
def lemmiwinks.archive.migration.abstract.UpdateEntity.__init__ (
    self )
```

Reimplemented in [lemmiwinks.archive.migration.migrate.UpdateElementAttribute](#), and [lemmiwinks.archive.migration.migrate.UpdateElementString](#).

9.132.2 Member Function Documentation

9.132.2.1 `_get_data_from()`

```
def lemmiwinks.archive.migration.abstract.UpdateEntity._get_data_from (
    self,
    entity,
    ** kwargs ) [private]
```

Reimplemented in [lemmiwinks.archive.migration.migrate.UpdateElementAttributeSource](#), [lemmiwinks.archive.migration.migrate.UpdateElementString](#), and [lemmiwinks.archive.migration.migrate.UpdateTokenValue](#).

Here is the caller graph for this function:



9.132.2.2 `_update_entity()`

```
def lemmiwinks.archive.migration.abstract.UpdateEntity._update_entity (
    self,
    data,
    entity,
    ** kwargs ) [private]
```

Reimplemented in [lemmiwinks.archive.migration.migrate.UpdateElementAttributeSource](#), [lemmiwinks.archive.migration.migrate.UpdateElementString](#), and [lemmiwinks.archive.migration.migrate.UpdateTokenValue](#).

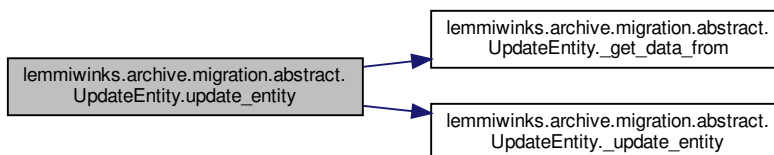
Here is the caller graph for this function:



9.132.2.3 `update_entity()`

```
def lemmiwinks.archive.migration.abstract.UpdateEntity.update_entity (
    self,
    handler,
    entity,
    ** kwargs )
```

Here is the call graph for this function:



9.132.3 Member Data Documentation

9.132.3.1 `_logger`

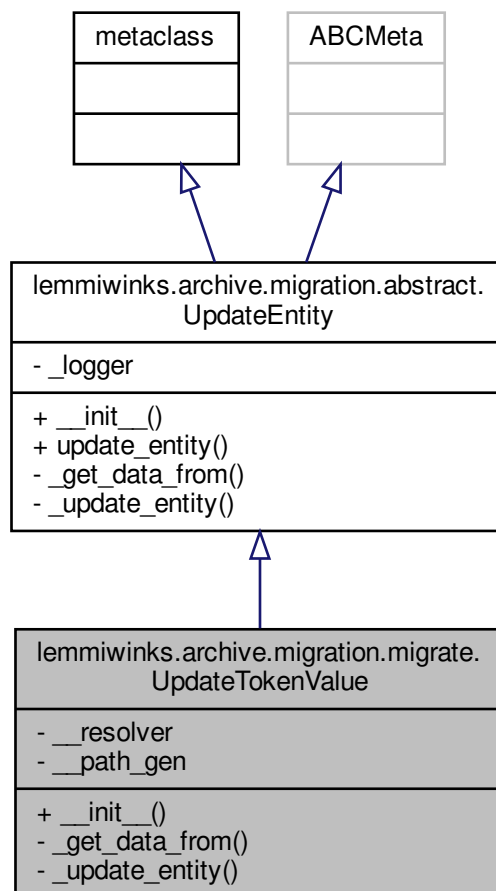
`lemmiwinks.archive.migration.abstract.UpdateEntity._logger` [private]

The documentation for this class was generated from the following file:

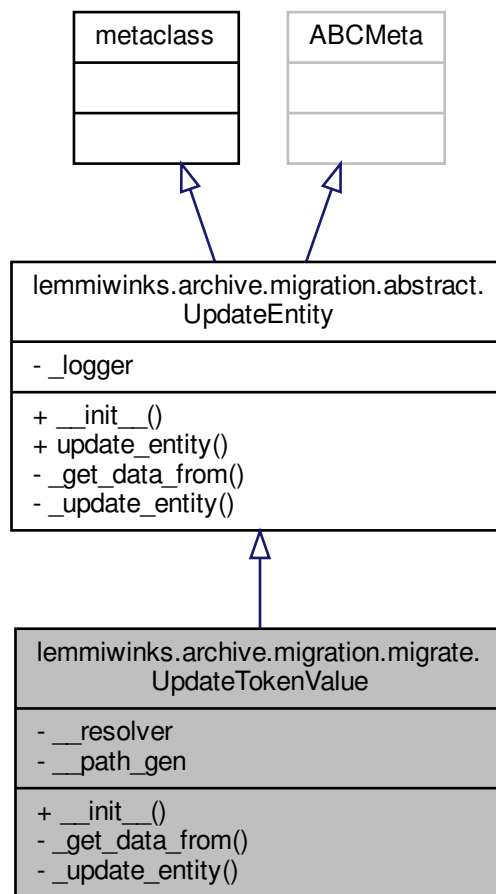
- [lemmit/lemmiwinks/archive/migration/abstract.py](#)

9.133 lemmiwinks.archive.migration.migrate.UpdateTokenValue Class Reference

Inheritance diagram for `lemmiwinks.archive.migration.migrate.UpdateTokenValue`:



Collaboration diagram for `lemmiwinks.archive.migration.migrate.UpdateTokenValue`:



Public Member Functions

- `def __init__(self, resolver, path_gen)`

Private Member Functions

- `def _get_data_from(self, entity, **kwargs)`
- `def _update_entity(self, data, entity, **kwargs)`

Private Attributes

- `__resolver`
- `__path_gen`

9.133.1 Constructor & Destructor Documentation

9.133.1.1 `__init__()`

```
def lemmiwinks.archive.migration.migrate.UpdateTokenValue.__init__ (
    self,
    resolver,
    path_gen )
```

9.133.2 Member Function Documentation

9.133.2.1 `_get_data_from()`

```
def lemmiwinks.archive.migration.migrate.UpdateTokenValue._get_data_from (
    self,
    entity,
    ** kwargs ) [private]
```

Reimplemented from [lemmiwinks.archive.migration.abstract.UpdateEntity](#).

9.133.2.2 `_update_entity()`

```
def lemmiwinks.archive.migration.migrate.UpdateTokenValue._update_entity (
    self,
    data,
    entity,
    ** kwargs ) [private]
```

Reimplemented from [lemmiwinks.archive.migration.abstract.UpdateEntity](#).

9.133.3 Member Data Documentation

9.133.3.1 `__path_gen`

```
lemmiwinks.archive.migration.migrate.UpdateTokenValue.__path_gen [private]
```

9.133.3.2 `__resolver`

`lemmiwinks.archive.migration.migrate.UpdateTokenValue.__resolver` [private]

The documentation for this class was generated from the following file:

- [lemmit/lemmiwinks/archive/migration/migrate.py](#)

9.134 `lemmiwinks.httplib.resolver.URLResolver` Class Reference

Collaboration diagram for `lemmiwinks.httplib.resolver.URLResolver`:

lemmiwinks.httplib.resolver. URLResolver
- <code>_logger</code> - <code>__base</code>
+ <code>__init__()</code> + <code>resolve()</code> + <code>base()</code> + <code>base()</code> - <code>__format()</code>

Public Member Functions

- def `__init__` (self, `base`)
- def `resolve` (self, url)
- def `base` (self)
- def `base` (self, url)

Static Private Member Functions

- def `__format` (url)

Private Attributes

- `_logger`
- `__base`

9.134.1 Constructor & Destructor Documentation

9.134.1.1 `__init__()`

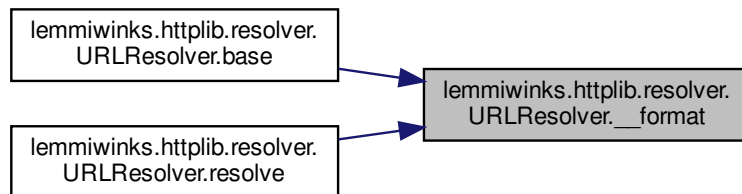
```
def lemmiwinks.httplib.resolver.URLResolver.__init__ (
    self,
    base )
```

9.134.2 Member Function Documentation

9.134.2.1 `__format()`

```
def lemmiwinks.httplib.resolver.URLResolver.__format (
    url ) [static], [private]
```

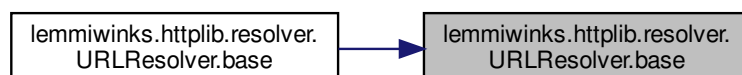
Here is the caller graph for this function:



9.134.2.2 `base()` [1/2]

```
def lemmiwinks.httplib.resolver.URLResolver.base (
    self )
```

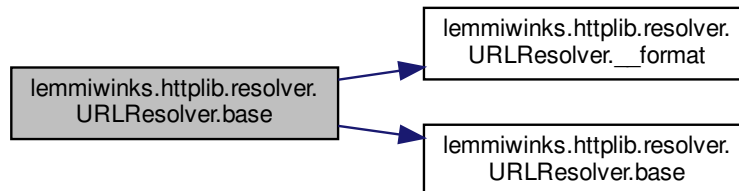
Here is the caller graph for this function:



9.134.2.3 base() [2/2]

```
def lemmiwinks.httplib.resolver.URLResolver.base (  
    self,  
    url )
```

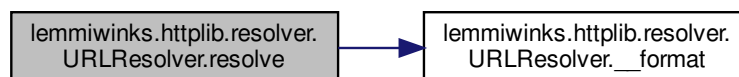
Here is the call graph for this function:



9.134.2.4 resolve()

```
def lemmiwinks.httplib.resolver.URLResolver.resolve (  
    self,  
    url )
```

Here is the call graph for this function:



9.134.3 Member Data Documentation

9.134.3.1 __base

```
lemmiwinks.httplib.resolver.URLResolver.__base [private]
```

9.134.3.2 `_logger`

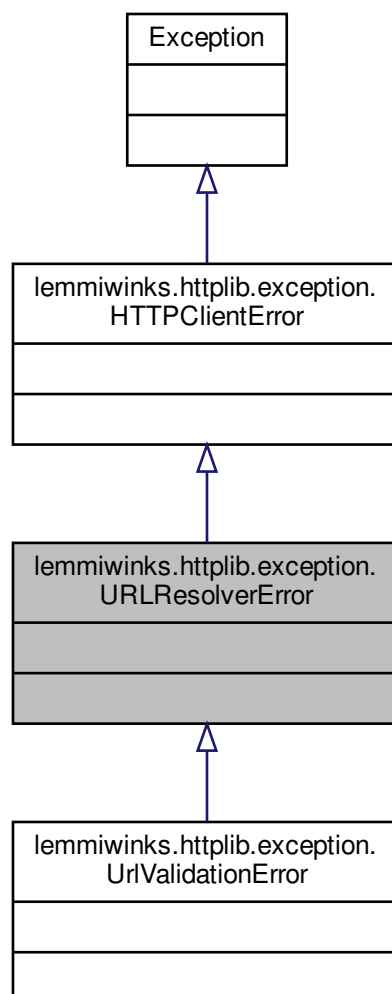
`lemmywinks.httplib.resolver.URLResolver._logger` [private]

The documentation for this class was generated from the following file:

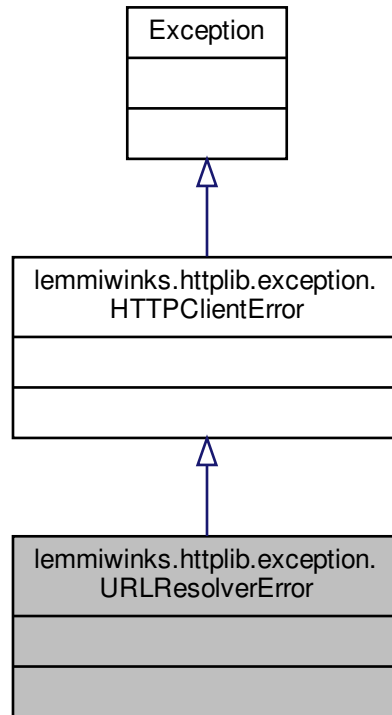
- [lemmit/lemmywinks/httplib/resolver.py](#)

9.135 lemmywinks.httplib.exception.URLResolverError Class Reference

Inheritance diagram for `lemmywinks.httplib.exception.URLResolverError`:



Collaboration diagram for `lemmiwinks.httplib.exception.URLResolverError`:

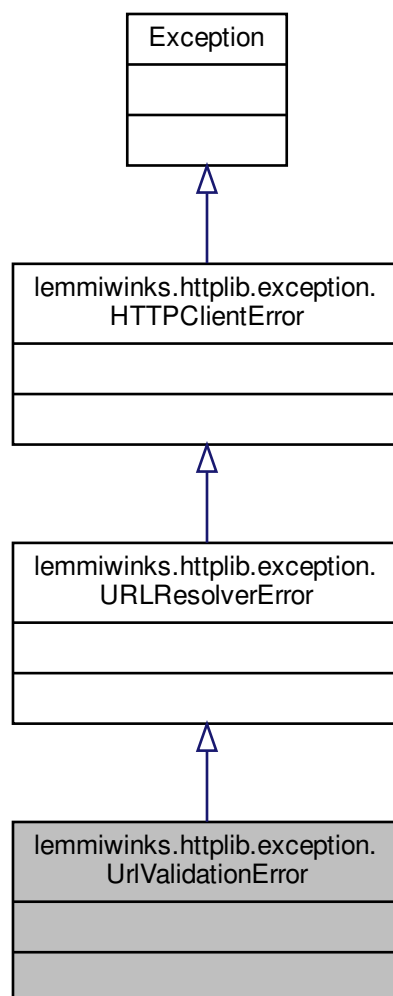


The documentation for this class was generated from the following file:

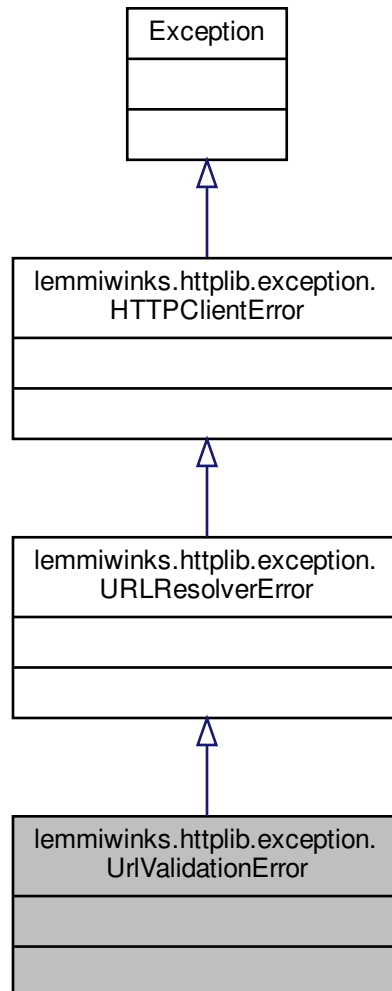
- [lemmit/lemmiwinks/httplib/exception.py](#)

9.136 lemmywinks.httplib.exception.UrlValidationError Class Reference

Inheritance diagram for lemmywinks.httplib.exception.UrlValidationError:



Collaboration diagram for `lemmiwinks.httplib.exception.UrlValidationError`:

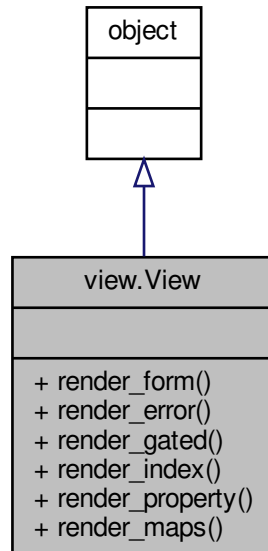


The documentation for this class was generated from the following file:

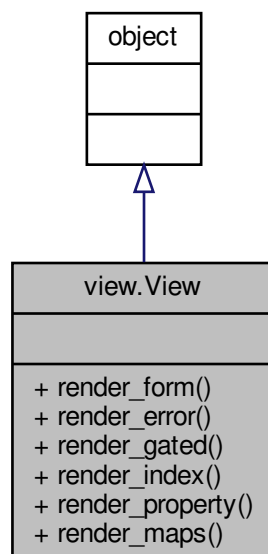
- [lemmit/lemmiwinks/httplib/exception.py](#)

9.137 view.View Class Reference

Inheritance diagram for view.View:



Collaboration diagram for view.View:



Static Public Member Functions

- def [render_form](#) (uid=None)
- def [render_error](#) ()
- def [render_gated](#) ()
- def [render_index](#) (idx)
- def [render_property](#) (item)
- def [render_maps](#) (location)

9.137.1 Detailed Description

Yaick! This class hurts my eyes... but it's fast and simple

9.137.2 Member Function Documentation

9.137.2.1 [render_error\(\)](#)

```
def view.View.render_error ( ) [static]
```

9.137.2.2 [render_form\(\)](#)

```
def view.View.render_form (
    uid = None ) [static]
```

9.137.2.3 [render_gated\(\)](#)

```
def view.View.render_gated ( ) [static]
```

9.137.2.4 [render_index\(\)](#)

```
def view.View.render_index (
    idx ) [static]
```

9.137.2.5 [render_maps\(\)](#)

```
def view.View.render_maps (
    location ) [static]
```

9.137.2.6 [render_property\(\)](#)

```
def view.View.render_property (
    item ) [static]
```

The documentation for this class was generated from the following file:

- [scrapit/tests/web/view.py](#)

Chapter 10

File Documentation

10.1 `lemmit/lemmiwinks/__init__.py` File Reference

Namespaces

- [lemmiwinks](#)

10.2 `lemmit/lemmiwinks/archive/__init__.py` File Reference

Namespaces

- [lemmiwinks.archive](#)

10.3 `lemmit/lemmiwinks/archive/migration/__init__.py` File Reference

Namespaces

- [lemmiwinks.archive.migration](#)

10.4 `lemmit/lemmiwinks/extractor/__init__.py` File Reference

Namespaces

- [lemmiwinks.extractor](#)

10.5 `lemmit/lemmiwinks/httpplib/__init__.py` File Reference

Namespaces

- [lemmiwinks.httpplib](#)

10.6 lemmit/lemmiwinks/parslib/__init__.py File Reference

Namespaces

- [lemmiwinks.parslib](#)

10.7 scrapit/api/models/__init__.py File Reference

Namespaces

- [models](#)

10.8 scrapit/api/resources/__init__.py File Reference

Namespaces

- [resources](#)

10.9 scrapit/basicplatform/basicplatform/__init__.py File Reference

Namespaces

- [basicplatform](#)

10.10 scrapit/basicplatform/basicplatform/pipelines/__init__.py File Reference

Namespaces

- [basicplatform.pipelines](#)

10.11 scrapit/basicplatform/basicplatform/spiders/__init__.py File Reference

Namespaces

- [basicplatform.spiders](#)

10.12 scrapit/tests/testplatform/testplatform/__init__.py File Reference

Namespaces

- [testplatform](#)

10.13 scrapit/tests/testplatform/testplatform/spiders/__init__.py File Reference

Namespaces

- [testplatform.spiders](#)

10.14 lemmit/lemmiwinks/archive/abstract.py File Reference

Classes

- class [lemmiwinks.archive.abstract.BaseLetter](#)

Namespaces

- [lemmiwinks.archive.abstract](#)

10.15 lemmit/lemmiwinks/archive/migration/abstract.py File Reference

Classes

- class [lemmiwinks.archive.migration.abstract.BaseMigration](#)
- class [lemmiwinks.archive.migration.abstract.DataHandler](#)
- class [lemmiwinks.archive.migration.abstract.UpdateEntity](#)
- class [lemmiwinks.archive.migration.abstract.BaseProperty](#)
- class [lemmiwinks.archive.migration.abstract.BaseEntity](#)
- class [lemmiwinks.archive.migration.abstract.MigrationSettings](#)

Namespaces

- [lemmiwinks.archive.migration.abstract](#)

10.16 lemmit/lemmiwinks/extractor/abstract.py File Reference

Classes

- class [lemmiwinks.extractor.abstract.BaseExtractor](#)

Namespaces

- [lemmiwinks.extractor.abstract](#)

10.17 lemmit/lemmiwinks/httpplib/abstract.py File Reference

Classes

- class [lemmiwinks.httpplib.abstract.AsyncClient](#)
- class [lemmiwinks.httpplib.abstract.AsyncJsClient](#)

Namespaces

- [lemmiwinks.httpplib.abstract](#)

10.18 lemmit/lemmiwinks/parslib/abstract.py File Reference

Classes

- class [lemmiwinks.parslib.abstract.CSSParser](#)
- class [lemmiwinks.parslib.abstract.HTMLParser](#)
- class [lemmiwinks.parslib.abstract.Token](#)
- class [lemmiwinks.parslib.abstract.Element](#)

Namespaces

- [lemmiwinks.parslib.abstract](#)

10.19 lemmit/lemmiwinks/archive/archive.py File Reference

Classes

- class [lemmiwinks.archive.archive._HTMLResponseLetter](#)
- class [lemmiwinks.archive.archive._ResponseLetter](#)
- class [lemmiwinks.archive.archive.SaveResponseLetter](#)
- class [lemmiwinks.archive.archive.Mode](#)
- class [lemmiwinks.archive.archive.Envelop](#)
- class [lemmiwinks.archive.archive.Archive](#)

Namespaces

- [lemmiwinks.archive.archive](#)

10.20 lemmit/lemmiwinks/archive/maff.py File Reference

Classes

- class [lemmiwinks.archive.maff.MozillaArchiveFormat](#)
- class [lemmiwinks.archive.maff.RDF](#)

Namespaces

- [lemmiwinks.archive.maff](#)

10.21 lemmit/lemmiwinks/archive/migration/container.py File Reference

Classes

- class [lemmiwinks.archive.migration.container.ElementFilterRules](#)
- class [lemmiwinks.archive.migration.container.HTMLFilter](#)

Namespaces

- [lemmiwinks.archive.migration.container](#)

10.22 lemmit/lemmiwinks/httpplib/container.py File Reference

Classes

- class [lemmiwinks.httpplib.container.Response](#)
- class [lemmiwinks.httpplib.container.InstanceStatus](#)

Namespaces

- [lemmiwinks.httpplib.container](#)

Variables

- [lemmiwinks.httpplib.container.Proxy](#) = collections.namedtuple("Proxy", "url login password")
- [lemmiwinks.httpplib.container.AIOProxy](#) = collections.namedtuple("_AIOProxy", "url auth")

10.23 lemmit/lemmiwinks/archive/migration/migrate.py File Reference

Classes

- class [lemmiwinks.archive.migration.migrate.SrcRegister](#)
- class [lemmiwinks.archive.migration.migrate.UpdateTokenValue](#)
- class [lemmiwinks.archive.migration.migrate.UpdateElementString](#)
- class [lemmiwinks.archive.migration.migrate.UpdateElementAttribute](#)
- class [lemmiwinks.archive.migration.migrate.UpdateElementAttributeSource](#)
- class [lemmiwinks.archive.migration.migrate.DownloadHandler](#)
- class [lemmiwinks.archive.migration.migrate._RecursiveEntityHandler](#)
- class [lemmiwinks.archive.migration.migrate.CSSFileHandler](#)
- class [lemmiwinks.archive.migration.migrate._HTMLEntityHandler](#)
- class [lemmiwinks.archive.migration.migrate.HTMLFileWithJsExecutionHandler](#)
- class [lemmiwinks.archive.migration.migrate.HTMLFileHandler](#)
- class [lemmiwinks.archive.migration.migrate.CssStyleHandler](#)
- class [lemmiwinks.archive.migration.migrate.CssDeclarationHandler](#)
- class [lemmiwinks.archive.migration.migrate.JSFileHandler](#)
- class [lemmiwinks.archive.migration.migrate.InlineJSHandler](#)
- class [lemmiwinks.archive.migration.migrate._BaseElementTaskContainer](#)
- class [lemmiwinks.archive.migration.migrate.ElementTaskContainer](#)
- class [lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution](#)
- class [lemmiwinks.archive.migration.migrate.TokenTaskContainer](#)
- class [lemmiwinks.archive.migration.migrate.CSSMigration](#)
- class [lemmiwinks.archive.migration.migrate._BaseHTMLMigration](#)
- class [lemmiwinks.archive.migration.migrate.HTMLMigration](#)
- class [lemmiwinks.archive.migration.migrate.HTMLMigrationWithJSExecution](#)
- class [lemmiwinks.archive.migration.migrate.CssFile](#)
- class [lemmiwinks.archive.migration.migrate.CSSStyle](#)
- class [lemmiwinks.archive.migration.migrate.CSSDeclaration](#)
- class [lemmiwinks.archive.migration.migrate.IndexFile](#)
- class [lemmiwinks.archive.migration.migrate.IndexFileContainer](#)

Namespaces

- [lemmiwinks.archive.migration.migrate](#)

10.24 lemmit/lemmiwinks/archive/rdfinfo.py File Reference

Classes

- class [lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo](#)
- class [lemmiwinks.archive.rdfinfo.ParserMaffRDFInfo](#)
- class [lemmiwinks.archive.rdfinfo.TimeMaffRDFInfo](#)

Namespaces

- [lemmiwinks.archive.rdfinfo](#)

10.25 lemmi/lemmiwinks/extractor/extractor.py File Reference

Classes

- class [lemmiwinks.extractor.extractor.RegexExtractor](#)

Namespaces

- [lemmiwinks.extractor.extractor](#)

10.26 lemmi/lemmiwinks/httplib/client.py File Reference

Classes

- class [lemmiwinks.httplib.client.AIOClient](#)
- class [lemmiwinks.httplib.client.SeleniumClient](#)

Namespaces

- [lemmiwinks.httplib.client](#)

10.27 lemmi/lemmiwinks/httplib/exception.py File Reference

Classes

- class [lemmiwinks.httplib.exception.HTTPClientError](#)
- class [lemmiwinks.httplib.exception.HTTPClientConnectionFailed](#)
- class [lemmiwinks.httplib.exception.PoolError](#)
- class [lemmiwinks.httplib.exception.URLResolverError](#)
- class [lemmiwinks.httplib.exception.UrlValidationError](#)

Namespaces

- [lemmiwinks.httplib.exception](#)

10.28 lemmi/lemmiwinks/parslib/exception.py File Reference

Classes

- class [lemmiwinks.parslib.exception.ParserError](#)
- class [lemmiwinks.parslib.exception.CSSParseError](#)
- class [lemmiwinks.parslib.exception.HTMLParseError](#)
- class [lemmiwinks.parslib.exception.TagDoesNotExists](#)

Namespaces

- [lemmiwinks.parslib.exception](#)

10.29 lemmit/lemmiwinks/httpplib/provider.py File Reference

Classes

- class [lemmiwinks.httpplib.provider.ClientFactory](#)
- class [lemmiwinks.httpplib.provider.ClientFactoryProvider](#)
- class [lemmiwinks.httpplib.provider.HTTPClientDownloader](#)
- class [lemmiwinks.httpplib.provider.HTTPClientDownloadProvider](#)
- class [lemmiwinks.httpplib.provider.ClientPool](#)

Namespaces

- [lemmiwinks.httpplib.provider](#)

10.30 lemmit/lemmiwinks/parslib/provider.py File Reference

Classes

- class [lemmiwinks.parslib.provider.CSSParserProvider](#)
- class [lemmiwinks.parslib.provider.HTMLParserProvider](#)

Namespaces

- [lemmiwinks.parslib.provider](#)

10.31 lemmit/lemmiwinks/httpplib/resolver.py File Reference

Classes

- class [lemmiwinks.httpplib.resolver.URLResolver](#)

Namespaces

- [lemmiwinks.httpplib.resolver](#)

10.32 lemmit/lemmiwinks/lemmiwinks.py File Reference

Classes

- class [lemmiwinks.lemmiwinks.Lemmiwinks](#)
- class [lemmiwinks.lemmiwinks.Logger](#)

Namespaces

- [lemmiwinks.lemmiwinks](#)

10.33 lemmi/lemmiwinks/parslib/parser.py File Reference

Classes

- class [lemmiwinks.parslib.parser.TinyCSSParser](#)
- class [lemmiwinks.parslib.parser.BsHTMLParser](#)
- class [lemmiwinks.parslib.parser.BsElement](#)
- class [lemmiwinks.parslib.parser.TinyToken](#)

Namespaces

- [lemmiwinks.parslib.parser](#)

Variables

- string [lemmiwinks.parslib.parser.DEFAULT_ENCODING](#) = "utf-8"

10.34 lemmi/lemmiwinks/pathgen.py File Reference

Classes

- class [lemmiwinks.pathgen.DirectoryWrapper](#)
- class [lemmiwinks.pathgen.FilePathGenerator](#)
- class [lemmiwinks.pathgen.FilePathProvider](#)
- class [lemmiwinks.pathgen.MimeFileExtension](#)

Namespaces

- [lemmiwinks.pathgen](#)

10.35 lemmi/lemmiwinks singleton.py File Reference

Classes

- class [lemmiwinks.singleton.Singleton](#)
- class [lemmiwinks.singleton.ThreadSafeSingleton](#)

Namespaces

- [lemmiwinks.singleton](#)

10.36 lemmit/lemmiwinks/taskwrapper.py File Reference

Namespaces

- [lemmiwinks.taskwrapper](#)

Functions

- def [lemmiwinks.taskwrapper.task](#) (func)

10.37 lemmit/pharty3.py File Reference

Classes

- class [pharty3.RedisWrapper](#)
- class [pharty3.ArchiveSettings](#)
- class [pharty3.DBStorageJobs](#)
- class [pharty3.DBStorageData](#)
- class [pharty3.AIOlemmiwinks](#)

Namespaces

- [pharty3](#)

Variables

- [pharty3.Base](#) = declarative_base()
- [pharty3.db_engine](#) = create_engine(settings.DB_URL, echo=settings.DB_DEBUG)
- [pharty3.db_connection](#) = db_engine.connect()
- [pharty3.Session](#) = sessionmaker(bind=db_engine)
- [pharty3.aio_archive](#) = AIOlemmiwinks()

10.38 lemmit/README.md File Reference

10.39 scrapit/README.md File Reference

10.40 scrapit/tests/web/README.md File Reference

10.41 lemmit/settings.py File Reference

Namespaces

- [settings](#)

Variables

- string `settings.REDIS_ADDRESS` = 'redis://redisdb'
- string `settings.REDIS_QUEUE` = 'queue'
- string `settings.DB_URL` = 'postgresql://postgres@postgresdb:5432'
- string `settings.DB_NAME` = 'lemmit_db'
- bool `settings.DB_DEBUG` = False
- string `settings.LOG_PATH` = '/tmp/lemmit.log'
- `settings.LOG_CONSOLE_LEVEL` = logging.DEBUG
- `settings.LOG_FILE_LEVEL` = logging.INFO

10.42 scrapit/api/settings.py File Reference

Namespaces

- `settings`

Variables

- string `settings.SCRAPY_PROJECT_PATH` = '/root/scrapit/basicplatform'

10.43 scrapit/basicplatform/basicplatform/settings.py File Reference

Namespaces

- `basicplatform.settings`

Variables

- string `basicplatform.settings.JOB` = 'basicplatform'
- string `basicplatform.settings.PATTERN` = r'a'
- list `basicplatform.settings.SPIDER_MODULES` = ['basicplatform.spiders']
- list `basicplatform.settings.ALLOWED_DOMAINS` = ['fit.vutbr.cz']
- list `basicplatform.settings.START_URLS` = ['http://www.fit.vutbr.cz']
- string `basicplatform.settings.LOGIN_URL` = 'https://www.vutbr.cz/login/intra'
- string `basicplatform.settings.FORM_NAME` = 'login_form'
- string `basicplatform.settings.FORM_LOGIN` = 'LDAPlogin'
- string `basicplatform.settings.FORM_PASSWORD` = 'LDAPpasswd'
- string `basicplatform.settings.LOG_LEVEL` = 'DEBUG'
- bool `basicplatform.settings.ROBOTSTXT_OBEY` = False
- bool `basicplatform.settings.LOG_STDOUT` = True
- dictionary `basicplatform.settings.ITEM_PIPELINES`
- string `basicplatform.settings.REDIS_PIPELINE_URL` = 'redisdb:6379'
- string `basicplatform.settings.REDIS_QUEUE` = 'queue'

10.44 scrapit/tests/testplatform/testplatform/settings.py File Reference

Namespaces

- [testplatform.settings](#)

Variables

- string [testplatform.settings.BOT_NAME](#) = 'testplatform'
- list [testplatform.settings.SPIDER_MODULES](#) = ['testplatform.spiders']
- string [testplatform.settings.NEWSPIDER_MODULE](#) = 'testplatform.spiders'
- list [testplatform.settings.ALLOWED_DOMAINS](#) = ['localhost']
- list [testplatform.settings.START_URLS_BASIC](#) = ['http://localhost:9312/properties/index_00000.html']
- list [testplatform.settings.START_URLS_LOGIN](#) = ['http://localhost:9312/dynamic/gated']
- string [testplatform.settings.LOGIN_URL](#) = 'http://localhost:9312/dynamic/nonce'
- [testplatform.settings.FORM_NAME](#) = None
- string [testplatform.settings.FORM_LOGIN](#) = 'user'
- string [testplatform.settings.FORM_PASSWORD](#) = 'pass'
- string [testplatform.settings.USERNAME](#) = 'user'
- string [testplatform.settings.PASSWORD](#) = 'pass'
- int [testplatform.settings.CLOSESPIDER_ITEMCOUNT](#) = 5
- bool [testplatform.settings.ROBOTSTXT_OBEY](#) = True

10.45 lemmit/tests/test_archive.py File Reference

Classes

- class [test_archive.TestArchivation](#)

Namespaces

- [test_archive](#)

Variables

- [test_archive.loop](#) = `asyncio.get_event_loop()`

10.46 lemmit/tests/test_db.py File Reference

Classes

- class [test_db.TestDB](#)

Namespaces

- [test_db](#)

Variables

- `test_db.loop` = `asyncio.get_event_loop()`

10.47 lemmit/tests/test_redis.py File Reference

Classes

- class `test_redis.TestRedis`

Namespaces

- `test_redis`

Variables

- `test_redis.loop` = `asyncio.get_event_loop()`

10.48 scrapit/api/app.py File Reference

Namespaces

- `app`

Variables

- `app.werkzeug_logger` = `logging.getLogger('werkzeug')`
- `app.werkzeug_file_handler` = `logging.FileHandler(settings.LOG_PATH)`
- `app.app` = `Flask(__name__)`
- `app.api` = `Api(app)`
- `app.host`
- `app.debug`

10.49 scrapit/api/models/job.py File Reference

Classes

- class `models.job.CreateJobModel`

Namespaces

- `models.job`

10.50 scrapit/api/resources/job.py File Reference

Classes

- class [resources.job.ProcessStatus](#)
- class [resources.job.JobsStorage](#)
- class [resources.job.Job](#)
- class [resources.job.Jobs](#)

Namespaces

- [resources.job](#)

Functions

- def [resources.job.set_value](#) (str settings_path, str l_value, str r_value)
- def [resources.job.set_selenium](#) (str settings_path, bool selenium_mode)

10.51 scrapit/api/utils.py File Reference

Classes

- class [utils.Logger](#)

Namespaces

- [utils](#)

Functions

- def [utils.deserialization](#) (ma.Schema schema)

Variables

- [utils.ma](#) = Marshmallow()

10.52 scrapit/basicplatform/basicplatform/items.py File Reference

Classes

- class [basicplatform.items.BasicplatformItem](#)

Namespaces

- [basicplatform.items](#)

10.53 scrapit/tests/testplatform/testplatform/items.py File Reference

Classes

- class [testplatform.items.TestplatformItem](#)

Namespaces

- [testplatform.items](#)

10.54 scrapit/basicplatform/basicplatform/middlewares.py File Reference

Classes

- class [basicplatform.middlewares.TestprojSpiderMiddleware](#)
- class [basicplatform.middlewares.SeleniumMiddleware](#)

Namespaces

- [basicplatform.middlewares](#)

10.55 scrapit/tests/testplatform/testplatform/middlewares.py File Reference

Classes

- class [testplatform.middlewares.TestplatformSpiderMiddleware](#)
- class [testplatform.middlewares.TestplatformDownloaderMiddleware](#)

Namespaces

- [testplatform.middlewares](#)

10.56 scrapit/basicplatform/basicplatform/pipelines/redis.py File Reference

Classes

- class [basicplatform.pipelines.redis.RedisCache](#)

Namespaces

- [basicplatform.pipelines.redis](#)

10.57 scrapit/basicplatform/basicplatform/spiders/basic.py File Reference

Classes

- class [basicplatform.spiders.basic.BasicSpider](#)

Namespaces

- [basicplatform.spiders.basic](#)

10.58 scrapit/basicplatform/basicplatform/spiders/login.py File Reference

Classes

- class [basicplatform.spiders.login.BasicSpider](#)

Namespaces

- [basicplatform.spiders.login](#)

10.59 scrapit/tests/testplatform/testplatform/pipelines.py File Reference

Classes

- class [testplatform.pipelines.TestplatformPipeline](#)

Namespaces

- [testplatform.pipelines](#)

10.60 scrapit/tests/testplatform/testplatform/spiders/test_basic.py File Reference

Classes

- class [testplatform.spiders.test_basic.TestBasicSpider](#)

Namespaces

- [testplatform.spiders.test_basic](#)

10.61 scrapit/tests/testplatform/testplatform/spiders/test_login.py File Reference

Classes

- class [testplatform.spiders.test_login.BasicSpider](#)

Namespaces

- [testplatform.spiders.test_login](#)

10.62 scrapit/tests/web/create.py File Reference

Namespaces

- [create](#)

Variables

- [create.model](#) = Model()
- [create.properties](#) = int(sys.argv[1])
- int [create.per_index](#) = 30
- [create.item](#) = model.get_item(pid)
- [create.f](#) = open("properties/property_%06d.html" % pid, "w")
- tuple [create.indices](#) = (properties + per_index - 1) / per_index
- string [create.np](#) = "index_%05d.html" % (page+1)
- int [create.start](#) = per_index * page
- [create.end](#) = min(per_index * (page + 1), properties)
- dictionary [create.index](#)

10.63 scrapit/tests/web/model.py File Reference

Classes

- class [model.Model](#)
- class [model.Generator](#)
- class [model.TestModel](#)

Namespaces

- [model](#)

10.64 scrapit/tests/web/view.py File Reference

Classes

- class [view.View](#)

Namespaces

- [view](#)

10.65 scrapit/tests/web/web.py File Reference

Classes

- class [web.SettingsFromUrl](#)
- class [web.BaseResource](#)
- class [web.Api](#)
- class [web.Index](#)
- class [web.Detail](#)
- class [web.Benchmark](#)
- class [web.ILoginGate](#)
- class [web.LoginGate](#)
- class [web.Dynamic](#)
- class [web.Maps](#)
- class [web.Properties](#)
- class [web.Home](#)

Namespaces

- [web](#)

Functions

- def [web.get_if](#) (request, k, default, cls)

Variables

- [web.path](#) = os.path.dirname(os.path.abspath(__file__))
- [web.root](#) = Resource()
- [web.model](#)
- [web.benchmark](#) = Resource()
- [web.factory](#) = server.Site(root)
- [web.endpoint](#) = endpoints.TCP4ServerEndpoint(reactor, 9312)

Index

- `__acquire_instance`
 - lemmiwinks.httplib.provider.ClientPool, 159
- `__archive_time`
 - lemmiwinks.archive.archive._HTMLResponseLetter, 63
 - lemmiwinks.archive.archive._ResponseLetter, 76
- `__base`
 - lemmiwinks.httplib.resolver.URLResolver, 458
- `__call__`
 - lemmiwinks.singleton.Singleton, 389
 - lemmiwinks.singleton.ThreadSafeSingleton, 418
- `__chunk_size`
 - lemmiwinks.httplib.client.AIOClient, 84
- `__client`
 - lemmiwinks.archive.migration.migrate.CSSFileHandler, 181
 - lemmiwinks.archive.migration.migrate.HTMLFileHandler, 252
- `__cls`
 - lemmiwinks.httplib.provider.ClientFactory, 154
- `__connector`
 - lemmiwinks.httplib.client.AIOClient, 84
- `__content_descriptor`
 - lemmiwinks.httplib.container.Response, 366
- `__convert_to_bselement_list`
 - lemmiwinks.parslib.parser.BsHTMLParser, 150
- `__convert_to_list`
 - lemmiwinks.archive.migration.container.HTMLFilter, 258
- `__cookies`
 - lemmiwinks.httplib.client.AIOClient, 85
- `__create_index_files_dir_in`
 - lemmiwinks.archive.archive._HTMLResponseLetter, 60
- `__create_node`
 - lemmiwinks.archive.maff.RDF, 345
- `__create_rdf_to`
 - lemmiwinks.archive.archive._HTMLResponseLetter, 60
 - lemmiwinks.archive.archive._ResponseLetter, 74
- `__create_tynicss_stylesheet`
 - lemmiwinks.parslib.provider.CSSParserProvider, 192
- `__css_entity`
 - lemmiwinks.archive.migration.migrate.CSSMigration, 185
- `__css_file_handler`
 - lemmiwinks.archive.migration.migrate.TokenTaskContainer, 438
- `__declaration_location`
 - lemmiwinks.archive.migration.migrate.CssDeclarationHandler, 173
- `__del__`
 - lemmiwinks.extractor.extractor.RegexExtractor, 363
 - lemmiwinks.httplib.client.AIOClient, 79
 - lemmiwinks.httplib.client.SeleniumClient, 379
 - lemmiwinks.httplib.container.Response, 365
 - lemmiwinks.httplib.provider.ClientPool, 159
- `__description_style`
 - lemmiwinks.archive.migration.container.ElementFilterRules, 228
- `__document`
 - lemmiwinks.extractor.extractor.RegexExtractor, 363
- `__download`
 - lemmiwinks.archive.migration.migrate.DownloadHandler, 214
- `__download_token`
 - lemmiwinks.archive.migration.migrate.TokenTaskContainer, 438
- `__downloader`
 - lemmiwinks.archive.migration.migrate.DownloadHandler, 216
- `__driver`
 - lemmiwinks.httplib.client.SeleniumClient, 382
- `__element_sources`
 - lemmiwinks.archive.migration.container.ElementFilterRules, 228
- `__enter__`
 - lemmiwinks.archive.maff.MozillaArchiveFormat, 331
 - lemmiwinks.archive.maff.RDF, 346
- `__entity_location`
 - lemmiwinks.archive.migration.abstract.BaseProperty, 122
- `__events`
 - lemmiwinks.archive.migration.container.ElementFilterRules, 229
- `__exit__`
 - lemmiwinks.archive.maff.MozillaArchiveFormat, 331
 - lemmiwinks.archive.maff.RDF, 346
- `__file_info`
 - lemmiwinks.archive.archive._HTMLResponseLetter, 63
 - lemmiwinks.archive.archive._ResponseLetter, 76
- `__filepath`

- lemmiwinks.pathgen.MimeFileExtension, 324
- __find_element_by
 - lemmiwinks.archive.maff.RDF, 346
- __flatten
 - lemmiwinks.archive.migration.container.ElementFilterRules, 224
- __format
 - lemmiwinks.httplib.resolver.URLResolver, 457
- __format_events
 - lemmiwinks.archive.migration.container.ElementFilterRules, 225
- __frames
 - lemmiwinks.archive.migration.container.ElementFilterRules, 229
- __generate_abs_filepath_with
 - lemmiwinks.pathgen.FilePathGenerator, 241
- __generate_filepath_with
 - lemmiwinks.pathgen.DirectoryWrapper, 210
- __generate_unique_filepath_with
 - lemmiwinks.pathgen.DirectoryWrapper, 210
- __get_awailable_instance
 - lemmiwinks.httplib.provider.ClientPool, 160
- __get_content_descriptor
 - lemmiwinks.httplib.client.SeleniumClient, 379
- __get_content_descriptor_from
 - lemmiwinks.httplib.client.AIOClient, 80
- __get_depended_attribute
 - lemmiwinks.archive.migration.container.HTMLFilter, 259
- __get_element_list_from
 - lemmiwinks.archive.migration.container.HTMLFilter, 260
- __get_element_value
 - lemmiwinks.archive.maff.RDF, 347
- __get_extension_from
 - lemmiwinks.pathgen.MimeFileExtension, 322
- __get_extension_from_url
 - lemmiwinks.pathgen.MimeFileExtension, 322
- __get_mime_type_from_filepath
 - lemmiwinks.pathgen.MimeFileExtension, 323
- __get_response
 - lemmiwinks.httplib.client.SeleniumClient, 380
- __get_response_from
 - lemmiwinks.httplib.client.AIOClient, 80
- __get_response_letter
 - lemmiwinks.archive.archive.SaveResponseLetter, 372
- __get_url_and_status
 - lemmiwinks.httplib.client.SeleniumClient, 380
- __get_url_and_status_from
 - lemmiwinks.httplib.client.AIOClient, 81
- __getattr__
 - lemmiwinks.archive.migration.abstract.BaseEntity, 113
- __getitem__
 - lemmiwinks.parslib.abstract.Element, 221
 - lemmiwinks.parslib.parser.BsElement, 145
- __headers
 - lemmiwinks.httplib.client.AIOClient, 85
- __html_letter
 - lemmiwinks.archive.archive.SaveResponseLetter, 373
 - __html_letter_with_js_execution
 - lemmiwinks.archive.archive.SaveResponseLetter, 373
- __http_client
 - lemmiwinks.httplib.provider.HTTPClientDownloader, 281
- __http_js_pool
 - lemmiwinks.archive.migration.migrate.HTMLFileWithJsExecutionHandler, 256
- __index_file
 - lemmiwinks.archive.archive._HTMLResponseLetter, 63
- __index_migration
 - lemmiwinks.archive.archive._HTMLResponseLetter, 63
- __init__
 - basicplatform.pipelines.redis.RedisCache, 356
 - lemmiwinks.archive.archive._HTMLResponseLetter, 60
 - lemmiwinks.archive.archive._ResponseLetter, 74
 - lemmiwinks.archive.archive.SaveResponseLetter, 372
 - lemmiwinks.archive.maff.MozillaArchiveFormat, 331
 - lemmiwinks.archive.maff.RDF, 345
 - lemmiwinks.archive.migration.abstract.BaseEntity, 112
 - lemmiwinks.archive.migration.abstract.BaseProperty, 121
 - lemmiwinks.archive.migration.abstract.UpdateEntity, 451
 - lemmiwinks.archive.migration.container.HTMLFilter, 258
 - lemmiwinks.archive.migration.migrate._BaseElementTaskContainer, 48
 - lemmiwinks.archive.migration.migrate._BaseHTMLMigration, 52
 - lemmiwinks.archive.migration.migrate._HTMLEntityHandler, 57
 - lemmiwinks.archive.migration.migrate._RecursiveEntityHandler, 67
 - lemmiwinks.archive.migration.migrate.CSSDeclaration, 169
 - lemmiwinks.archive.migration.migrate.CssDeclarationHandler, 172
 - lemmiwinks.archive.migration.migrate.CssFile, 175
 - lemmiwinks.archive.migration.migrate.CSSFileHandler, 180
 - lemmiwinks.archive.migration.migrate.CSSMigration, 184
 - lemmiwinks.archive.migration.migrate.CSSStyle, 194
 - lemmiwinks.archive.migration.migrate.CssStyleHandler, 197

- lemmiwinks.archive.migration.migrate.DownloadHandler, 214
- lemmiwinks.archive.migration.migrate.ElementTaskContainer, 232
- lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsFileWrapper, 236
- lemmiwinks.archive.migration.migrate.HTMLFileHandler, 252
- lemmiwinks.archive.migration.migrate.HTMLFileWithJsExecutionHandler, 256
- lemmiwinks.archive.migration.migrate.HTMLMigration, 265
 - __init__ attributes_of
- lemmiwinks.archive.migration.migrate.HTMLMigrationWithJSExecution, 268
 - __init__ description
- lemmiwinks.archive.migration.migrate.IndexFile, 290
 - __init__ resolver
- lemmiwinks.archive.migration.migrate.JSFileHandler, 306
 - __init__ xml
- lemmiwinks.archive.migration.migrate.TokenTaskContainer, 438
 - __is_at_rule
- lemmiwinks.archive.migration.migrate.UpdateElementAttribute, 442
 - __is_declaration
- lemmiwinks.archive.migration.migrate.UpdateElementAttributeSource, 446
 - __is_extension_valid_to_mime_type
- lemmiwinks.archive.migration.migrate.UpdateElementString, 448
 - __is_import
- lemmiwinks.archive.migration.migrate.UpdateTokenValue, 455
 - __is_instance_avaliable
- lemmiwinks.archive.rdfinfo.ParserMaffRDFInfo, 336
 - __is_js_mode
- lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo, 368
 - __is_no_js_mode
- lemmiwinks.archive.rdfinfo.TimeMaffRDFInfo, 419
 - __is_qualified_rule
- lemmiwinks.extractor.extractor.RegexExtractor, 362
 - __is_response_html
- lemmiwinks.httplib.abstract.AsyncJsClient, 107
- lemmiwinks.httplib.client.AIOClient, 79
- lemmiwinks.httplib.client.SeleniumClient, 379
- lemmiwinks.httplib.container.Response, 365
- lemmiwinks.httplib.provider.ClientFactory, 153
- lemmiwinks.httplib.provider.ClientPool, 159
- lemmiwinks.httplib.provider.HTTPClientDownloader, 280
 - __is_string_token
- lemmiwinks.httplib.resolver.URLResolver, 456
- lemmiwinks.lemmiwinks.Lemmiwinks, 309
- lemmiwinks.parslib.abstract.CSSParser, 189
- lemmiwinks.parslib.abstract.Element, 220
- lemmiwinks.parslib.abstract.HTMLParser, 274
- lemmiwinks.parslib.abstract.Token, 435
- lemmiwinks.parslib.parser.BsElement, 145
- lemmiwinks.parslib.parser.BsHTMLParser, 150
- lemmiwinks.parslib.parser.TinyCSSParser, 423
- lemmiwinks.parslib.parser.TinyToken, 432
- lemmiwinks.pathgen.DirectoryWrapper, 209
- lemmiwinks.pathgen.FilePathGenerator, 240
- lemmiwinks.pathgen.MimeFileExtension, 322
 - __is_token_value_url
 - __is_url_token
 - __js_script
 - __kwargs
 - __log_error
- model.Generator, 244
- model.Model, 328
- pharty3.AIO Lemmiwinks, 88
- pharty3.ArchiveSettings, 98
- pharty3.FileWrapper, 359
- web.Dynamic, 217
- web.LoginGate, 314
- web.Maps, 316
- web.OpenHandler, 342
- web.SettingsFromUrl, 387
- lemmiwinks.archive.archive._HTMLResponseLetter, 74
- lemmiwinks.archive.archive._ResponseLetter, 74
- lemmiwinks.archive.maff.RDF, 348
- lemmiwinks.archive.migration.migrate.IndexFile, 290
- lemmiwinks.archive.maff.RDF, 348
- lemmiwinks.parslib.parser.TinyCSSParser, 423
- lemmiwinks.parslib.parser.TinyCSSParser, 423
- lemmiwinks.pathgen.MimeFileExtension, 323
- lemmiwinks.parslib.parser.TinyCSSParser, 424
- lemmiwinks.httplib.provider.ClientPool, 160
- lemmiwinks.archive.archive.SaveResponseLetter, 373
- lemmiwinks.archive.archive.SaveResponseLetter, 374
- lemmiwinks.parslib.parser.TinyCSSParser, 424
- lemmiwinks.archive.archive.SaveResponseLetter, 374
- lemmiwinks.parslib.parser.TinyCSSParser, 425
- lemmiwinks.parslib.parser.TinyCSSParser, 425
- lemmiwinks.parslib.parser.TinyCSSParser, 425
- lemmiwinks.archive.migration.container.ElementFilterRules, 229
- lemmiwinks.httplib.provider.ClientFactory, 154
- lemmiwinks.archive.migration.migrate._RecursiveEntityHandler, 67
- lemmiwinks.archive.migration.migrate.DownloadHandler, 214

- __logger
 - lemmiwinks.archive.archive._HTMLResponseLetter, 63
 - lemmiwinks.archive.archive.SaveResponseLetter, 375
 - lemmiwinks.archive.migration.migrate._RecursiveEntityHandler, 71
 - lemmiwinks.archive.migration.migrate.DownloadHandler, 216
 - lemmiwinks.archive.rdfinfo.ParserMaffRDFInfo, 336
 - lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo, 369
 - lemmiwinks.archive.rdfinfo.TimeMaffRDFInfo, 420
 - lemmiwinks.httplib.container.Response, 366
 - lemmiwinks.httplib.provider.ClientPool, 163
- __migrate_entity_from
 - lemmiwinks.archive.migration.migrate._RecursiveEntityHandler, 67
- __mode
 - lemmiwinks.archive.archive.SaveResponseLetter, 375
- __parser
 - lemmiwinks.archive.migration.abstract.BaseProperty, 122
 - lemmiwinks.archive.migration.migrate.IndexFile, 291
 - lemmiwinks.archive.rdfinfo.ParserMaffRDFInfo, 336
- __path_gen
 - lemmiwinks.archive.migration.abstract.BaseProperty, 122
 - lemmiwinks.archive.migration.migrate._HTMLEntityHandler, 57
 - lemmiwinks.archive.migration.migrate.CSSFileHandler, 181
 - lemmiwinks.archive.migration.migrate.DownloadHandler, 216
 - lemmiwinks.archive.migration.migrate.JSFileHandler, 307
 - lemmiwinks.archive.migration.migrate.UpdateElementAttributeSource, 446
 - lemmiwinks.archive.migration.migrate.UpdateTokenValue, 455
- __pattern
 - lemmiwinks.extractor.extractor.RegexExtractor, 363
- __pattern_name
 - lemmiwinks.extractor.extractor.RegexExtractor, 363
- __process_component_value
 - lemmiwinks.parslib.parser.TinyCSSParser, 425
- __process_declaration
 - lemmiwinks.parslib.parser.TinyCSSParser, 426
- __process_import
 - lemmiwinks.parslib.parser.TinyCSSParser, 427
- __process_response
 - lemmiwinks.archive.migration.migrate._RecursiveEntityHandler, 62
- __process_rule
 - lemmiwinks.parslib.parser.TinyCSSParser, 427
- __process_url_token
 - lemmiwinks.parslib.parser.TinyCSSParser, 428
- __property
 - lemmiwinks.archive.migration.abstract.BaseEntity, 113
- __proxy
 - lemmiwinks.httplib.client.AIOClient, 85
- __recursion_limit
 - lemmiwinks.archive.migration.abstract.BaseProperty, 122
 - lemmiwinks.archive.migration.migrate.CssDeclarationHandler, 173
 - lemmiwinks.archive.migration.migrate.CssStyleHandler, 198
- __register_path_for_url
 - lemmiwinks.archive.migration.migrate.DownloadHandler, 215
- __resolver
 - lemmiwinks.archive.migration.abstract.BaseProperty, 123
 - lemmiwinks.archive.migration.migrate.UpdateElementAttributeSource, 446
 - lemmiwinks.archive.migration.migrate.UpdateTokenValue, 455
- __resource_location
 - lemmiwinks.archive.migration.abstract.BaseProperty, 123
 - lemmiwinks.archive.migration.migrate.CssDeclarationHandler, 173
 - lemmiwinks.archive.migration.migrate.CssStyleHandler, 198
 - lemmiwinks.archive.migration.migrate.HTMLFileHandler, 253
 - lemmiwinks.archive.migration.migrate.HTMLFileWithJsExecutionHan, 257
- __response
 - lemmiwinks.archive.archive._HTMLResponseLetter, 64
 - lemmiwinks.archive.archive._ResponseLetter, 76
 - lemmiwinks.archive.archive.SaveResponseLetter, 375
- __save_index_htm_to
 - lemmiwinks.archive.archive._HTMLResponseLetter, 61
- __save_response
 - lemmiwinks.archive.migration.migrate._RecursiveEntityHandler, 69
- __save_response_content_to
 - lemmiwinks.httplib.provider.HTTPClientDownloader, 281
- __save_response_to
 - lemmiwinks.archive.archive._HTMLResponseLetter, 62

- lemmiwinks.archive.archive._ResponseLetter, 75
- __script
 - lemmiwinks.archive.migration.container.ElementFilterRules, 229
 - __search_tokens_in
 - lemmiwinks.parslib.parser.TinyCSSParser, 428
 - __send_request
 - lemmiwinks.httplib.client.SeleniumClient, 381
 - __session
 - lemmiwinks.httplib.client.AIOClient, 85
 - __setitem__
 - lemmiwinks.parslib.abstract.Element, 221
 - lemmiwinks.parslib.parser.BsElement, 145
 - __settings
 - lemmiwinks.archive.archive._HTMLResponseLetter, 64
 - lemmiwinks.archive.archive.SaveResponseLetter, 375
 - lemmiwinks.archive.migration.migrate.CssDeclarationHandler, 173
 - lemmiwinks.archive.migration.migrate.CSSFileHandler, 181
 - lemmiwinks.archive.migration.migrate.CssStyleHandler, 198
 - lemmiwinks.archive.migration.migrate.HTMLFileHandler, 253
 - lemmiwinks.archive.migration.migrate.HTMLFileWithJsEscDeclarationHandler, 257
 - __src_register
 - lemmiwinks.archive.migration.migrate.DownloadHandler, 216
 - __str__
 - lemmiwinks.archive.maff.RDF, 348
 - lemmiwinks.parslib.abstract.Element, 221
 - lemmiwinks.parslib.abstract.Token, 436
 - lemmiwinks.parslib.parser.BsElement, 145
 - lemmiwinks.parslib.parser.TinyToken, 433
 - __style
 - lemmiwinks.archive.migration.container.ElementFilterRules, 230
 - __style_location
 - lemmiwinks.archive.migration.migrate.CssStyleHandler, 198
 - __stylesheet_link
 - lemmiwinks.archive.migration.container.ElementFilterRules, 230
 - __tablename__
 - pharty3.DBStorageData, 201
 - pharty3.DBStorageJobs, 204
 - __task
 - lemmiwinks.archive.migration.migrate.CSSMigration, 185
 - __timeout
 - lemmiwinks.httplib.client.AIOClient, 85
 - lemmiwinks.httplib.client.SeleniumClient, 382
 - __token_value_updater
 - lemmiwinks.archive.migration.migrate.TokenTaskContainer, 438
 - __update_element
 - lemmiwinks.archive.maff.RDF, 348
 - __update_import_tokens
 - lemmiwinks.archive.migration.migrate.CSSMigration, 184
 - __update_instance_state_to
 - lemmiwinks.httplib.provider.ClientPool, 161
 - __update_url_tokens
 - lemmiwinks.archive.migration.migrate.CSSMigration, 184
 - __url
 - lemmiwinks.archive.migration.migrate.CssDeclarationHandler, 173
 - lemmiwinks.archive.migration.migrate.CssStyleHandler, 198
 - lemmiwinks.pathgen.MimeFileExtension, 324
 - __url_and_status
 - lemmiwinks.httplib.container.Response, 366
 - __update_directory_to
 - lemmiwinks.archive.maff.MozillaArchiveFormat, 331
 - __assign_dict
 - lemmiwinks.httplib.provider.ClientPool, 163
 - __cookies
 - lemmiwinks.httplib.abstract.AsyncJsClient, 110
 - lemmiwinks.httplib.client.SeleniumClient, 382
 - __EscDeclarationHandler
 - lemmiwinks.archive.migration.migrate._BaseElementTaskContainer, 49
 - __css_file_handler
 - lemmiwinks.archive.migration.migrate._BaseElementTaskContainer, 49
 - __css_migration
 - lemmiwinks.archive.migration.migrate.CSSDeclaration, 170
 - lemmiwinks.archive.migration.migrate.CssFile, 176
 - lemmiwinks.archive.migration.migrate.CSSStyle, 195
 - __css_style_handler
 - lemmiwinks.archive.migration.migrate._BaseElementTaskContainer, 50
 - __delayedRender
 - web.Api, 94
 - web.Detail, 206
 - web.Index, 286
 - web.Maps, 317
 - web.Properties, 343
 - __description
 - lemmiwinks.archive.maff.RDF, 355
 - __descriptions
 - model.Model, 329
 - __directory
 - lemmiwinks.pathgen.FilePathGenerator, 242
 - __dirpath
 - lemmiwinks.pathgen.DirectoryWrapper, 211
 - __download_source
 - lemmiwinks.archive.migration.migrate._BaseElementTaskContainer, 50

- `_element`
 - lemmiwinks.parslib.abstract.Element, 222
- `_element_attr_updater`
 - lemmiwinks.archive.migration.migrate._BaseElementTaskContainer, 50
- `_element_src_attr_updater`
 - lemmiwinks.archive.migration.migrate._BaseElementTaskContainer, 50
- `_element_string_updater`
 - lemmiwinks.archive.migration.migrate._BaseElementTaskContainer, 50
- `_factory`
 - lemmiwinks.httplib.provider.ClientPool, 163
- `_filepath`
 - lemmiwinks.archive.maff.MozillaArchiveFormat, 333
 - lemmiwinks.archive.maff.RDF, 355
 - lemmiwinks.archive.migration.migrate.CssFile, 176
 - lemmiwinks.archive.migration.migrate.IndexFile, 291
- `_files`
 - lemmiwinks.pathgen.DirectoryWrapper, 211
- `_filter_rules`
 - lemmiwinks.archive.migration.container.HTMLFilter, 263
- `_get_data_from`
 - lemmiwinks.archive.migration.abstract.UpdateEntity, 451
 - lemmiwinks.archive.migration.migrate.UpdateElementAttribute, 443
 - lemmiwinks.archive.migration.migrate.UpdateElementAttributeSource, 446
 - lemmiwinks.archive.migration.migrate.UpdateElementString, 449
 - lemmiwinks.archive.migration.migrate.UpdateTokenValue, 455
- `_get_response_from`
 - lemmiwinks.archive.migration.migrate._RecursiveEntityHandler, 69
 - lemmiwinks.archive.migration.migrate.CSSFileHandler, 180
 - lemmiwinks.archive.migration.migrate.HTMLFileHandler, 252
 - lemmiwinks.archive.migration.migrate.HTMLFileWithJsExecutionHandler, 256
- `_html_file_handler`
 - lemmiwinks.archive.migration.migrate.ElementTaskContainer, 233
 - lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution, 237
- `_html_filter`
 - lemmiwinks.archive.migration.migrate._BaseHTMLMigration, 54
- `_html_migration`
 - lemmiwinks.archive.migration.migrate.IndexFile, 291
- `_import_token_list`
 - lemmiwinks.parslib.abstract.CSSParser, 190
- `_inline_js_handler`
 - lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution, 237
 - lemmiwinks.singleton.Singleton, 389
 - lemmiwinks.singleton.ThreadSafeSingleton, 418
- `_location_index`
 - model.Model, 329
- `_locations`
 - model.Model, 329
- `_lock`
 - lemmiwinks.httplib.provider.ClientPool, 163
 - lemmiwinks.singleton.ThreadSafeSingleton, 419
- `_logger`
 - lemmiwinks.archive.migration.abstract.UpdateEntity, 452
 - lemmiwinks.archive.migration.migrate.IndexFile, 291
 - lemmiwinks.httplib.abstract.AsyncJsClient, 110
 - lemmiwinks.httplib.provider.HTTPClientDownloader, 281
 - lemmiwinks.httplib.resolver.URLResolver, 458
 - lemmiwinks.parslib.abstract.CSSParser, 191
 - lemmiwinks.parslib.abstract.HTMLParser, 276
 - lemmiwinks.pathgen.FilePathGenerator, 242
 - lemmiwinks.httplib.provider.ClientPool, 163
- `_migrate_css_declaration`
 - lemmiwinks.archive.migration.migrate._BaseHTMLMigration, 52
- `_migrate_css_file`
 - lemmiwinks.archive.migration.migrate._BaseHTMLMigration, 53
- `_migrate_css_style`
 - lemmiwinks.archive.migration.migrate._BaseHTMLMigration, 53
- `_migrate_html_elements_sources`
 - lemmiwinks.archive.migration.migrate._BaseHTMLMigration, 53
- `_migrate_iframes`
 - lemmiwinks.archive.migration.migrate._BaseHTMLMigration, 54
- `_migrate_inline_script`
 - lemmiwinks.archive.migration.migrate.HTMLMigrationWithJsExecution, 269
- `_migrate_js_events`
 - lemmiwinks.archive.migration.migrate.HTMLMigrationWithJsExecution, 269
- `_migrate_script_source`
 - lemmiwinks.archive.migration.migrate.HTMLMigration, 266
 - lemmiwinks.archive.migration.migrate.HTMLMigrationWithJsExecution, 269

- `_parser`
 - `lemmiwinks.archive.migration.container.HTMLFilter`, 263
 - `lemmiwinks.parslib.abstract.CSSParser`, 191
- `_path_prefix`
 - `lemmiwinks.pathgen.FilePathGenerator`, 242
- `_process_entity_recursively_from`
 - `lemmiwinks.archive.migration.migrate._RecursiveEntityHandler`, 70
 - 69
 - `lemmiwinks.archive.migration.migrate.CSSFileHandler`, 180
 - `lemmiwinks.archive.migration.migrate.HTMLFileHandler`, 252
 - `lemmiwinks.archive.migration.migrate.HTMLFileWithJSExecutionHandler`, 256
- `_recursion_limit`
 - `lemmiwinks.archive.migration.migrate._RecursiveEntityHandler`, 71
- `_register_path_for`
 - `lemmiwinks.archive.migration.migrate._HTMLEntityHandler`, 57
 - `lemmiwinks.archive.migration.migrate._RecursiveEntityHandler`, 70
 - `lemmiwinks.archive.migration.migrate.CSSFileHandler`, 180
- `_seed`
 - `model.Generator`, 247
- `_semaphore`
 - `lemmiwinks.httplib.provider.ClientPool`, 164
- `_settings`
 - `lemmiwinks.archive.migration.migrate.IndexFile`, 291
 - `web.SettingsFromUrl`, 387
- `_soup`
 - `lemmiwinks.parslib.parser.BsHTMLParser`, 152
- `_src_register`
 - `lemmiwinks.archive.migration.migrate._RecursiveEntityHandler`, 71
- `_tabs`
 - `lemmiwinks.archive.maff.MozillaArchiveFormat`, 333
- `_task`
 - `lemmiwinks.archive.migration.migrate._BaseHTMLMigration`, 54
- `_timeout`
 - `lemmiwinks.httplib.abstract.AsyncJsClient`, 110
- `_title_weights`
 - `model.Model`, 329
- `_titles`
 - `model.Model`, 330
- `_token`
 - `lemmiwinks.parslib.abstract.Token`, 437
- `_update_entity`
 - `lemmiwinks.archive.migration.abstract.UpdateEntity`, 451
 - `lemmiwinks.archive.migration.migrate.UpdateElementString`, 443
 - `lemmiwinks.archive.migration.migrate.UpdateElementValue`, 455
- 446
- `lemmiwinks.archive.migration.migrate.UpdateElementString`, 449
- `lemmiwinks.archive.migration.migrate.UpdateTokenValue`, 455
- `_update_path_for`
 - `lemmiwinks.archive.migration.migrate._RecursiveEntityHandler`
- `_url_token_list`
 - `lemmiwinks.parslib.abstract.CSSParser`, 191
- `_xml`
 - `lemmiwinks.archive.maff.RDF`, 355
- `accessed_url`
 - `lemmiwinks.httplib.container.Response`, 365
- `acquire`
 - `lemmiwinks.httplib.provider.ClientPool`, 161
- `add_extension_to`
 - `lemmiwinks.pathgen.MimeFileExtension`, 323
- `add_job`
 - `resources.job.JobsStorage`, 303
- `address`
 - `pharty3.RedisWrapper`, 360
 - `testplatform.items.TestplatformItem`, 405
- `aio_archive`
 - `pharty3`, 33
- `aio_downloader`
 - `lemmiwinks.httplib.provider.HTTPClientDownloadProvider`, 282
- `aio_factory`
 - `lemmiwinks.httplib.provider.ClientFactoryProvider`, 156
- `AIOProxy`
 - `lemmiwinks.httplib.container`, 29
- `ALLOWED_DOMAINS`
 - `basicplatform.settings`, 21
 - `testplatform.settings`, 39
- `allowed_domains`
 - `basicplatform.spiders.basic.BasicSpider`, 131
 - `basicplatform.spiders.login.BasicSpider`, 136
 - `testplatform.spiders.test_basic.TestBasicSpider`, 397
 - `testplatform.spiders.test_login.BasicSpider`, 140
- `allowedDomains`
 - `models.job.CreateJobModel`, 166
- `api`
 - app, 19
 - api, 19
 - app, 19
 - debug, 19
 - host, 19
 - werkzeug_file_handler, 20
 - werkzeug_logger, 20
- `app`, 19
- `api`, 19
- `app`, 19
- `debug`, 19
- `host`, 19
- `werkzeug_file_handler`, 20
- `werkzeug_logger`, 20
- `archive_as_maff`
 - `lemmiwinks.archive.archive.Archive`, 96
- `AttributeName`
 - `test_archive.TestArchivation`, 395
- `AttributesResponse`

- pharty3.AIO Lemmiwinks, 88
- archive_task
 - pharty3.AIO Lemmiwinks, 89
- archive_time
 - lemmiwinks.archive.maff.RDF, 349, 350
- attrs
 - lemmiwinks.parslib.abstract.Element, 221
 - lemmiwinks.parslib.parser.BsElement, 145
- AWALIABLE
 - lemmiwinks.httplib.container.InstanceStatus, 296
- Base, 110
 - pharty3, 34
- base
 - lemmiwinks.httplib.resolver.URLResolver, 457
 - lemmiwinks.parslib.abstract.HTMLParser, 275
 - lemmiwinks.parslib.parser.BsHTMLParser, 150, 151
- basicplatform, 20
- basicplatform.items, 20
- basicplatform.items.BasicplatformItem, 126
 - date, 128
 - headers, 128
 - htmlcontent, 128
 - job, 128
 - regex_match, 128
 - regex_pattern, 128
 - server, 128
 - spider, 128
 - url, 129
- basicplatform.middlewares, 20
- basicplatform.middlewares.SeleniumMiddleware, 383
 - driver, 385
 - from_crawler, 384
 - process_exception, 384
 - process_request, 385
 - process_response, 385
 - spider_opened, 385
- basicplatform.middlewares.TestprojSpiderMiddleware, 412
 - from_crawler, 413
 - process_spider_exception, 413
 - process_spider_input, 414
 - process_spider_output, 414
 - process_start_requests, 414
 - spider_opened, 414
- basicplatform.pipelines, 20
- basicplatform.pipelines.redis, 21
- basicplatform.pipelines.redis.RedisCache, 356
 - __init__, 356
 - connection, 358
 - from_crawler, 357
 - init_redis_pool, 357
 - process_item, 357
- basicplatform.settings, 21
 - ALLOWED_DOMAINS, 21
 - FORM_LOGIN, 21
 - FORM_NAME, 21
 - FORM_PASSWORD, 21
 - ITEM_PIPELINES, 22
 - JOB, 22
 - LOG_LEVEL, 22
 - LOG_STDOUT, 22
 - LOGIN_URL, 22
 - PATTERN, 22
 - REDIS_PIPELINE_URL, 22
 - REDIS_QUEUE, 23
 - ROBOTSTXT_OBEY, 23
 - SPIDER_MODULES, 23
 - START_URLS, 23
- basicplatform.spiders, 23
- basicplatform.spiders.basic, 23
- basicplatform.spiders.basic.BasicSpider, 129
 - allowed_domains, 131
 - name, 131
 - parse_item, 130
 - pattern, 131
 - rules, 131
 - settings, 131
 - start_urls, 132
- basicplatform.spiders.login, 24
- basicplatform.spiders.login.BasicSpider, 132
 - allowed_domains, 136
 - check_login_response, 134
 - login, 134
 - name, 136
 - parse_item, 135
 - pattern, 136
 - rules, 136
 - settings, 136
 - start_requests, 135
 - start_urls, 136
- benchmark
 - web, 44
- BOT_NAME
 - testplatform.settings, 40
- bs_parser
 - lemmiwinks.parslib.provider.HTMLParserProvider, 277
- charset
 - lemmiwinks.archive.maff.RDF, 350, 351
 - lemmiwinks.archive.rdfinfo.ParserMaffRDFInfo, 336
 - lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo, 368
 - lemmiwinks.parslib.abstract.HTMLParser, 275
 - lemmiwinks.parslib.parser.BsHTMLParser, 151
- check_job_status
 - resources.job.JobsStorage, 303
- check_login_response
 - basicplatform.spiders.login.BasicSpider, 134
- choice
 - model.Generator, 245
- chrome_factory
 - lemmiwinks.httplib.provider.ClientFactoryProvider, 156
- class_delay_setting

- web.Api, 95
- web.Detail, 207
- web.Index, 287
- web.Maps, 317
- web.Properties, 343
- client
 - lemmiwinks.httplib.provider.ClientFactory, 154
 - pharty3.AIO Lemmiwinks, 91
- close_connection
 - pharty3.RedisWrapper, 359
- CLOSESPIDER_ITEMCOUNT
 - testplatform.settings, 40
- connection
 - basicplatform.pipelines.redis.RedisCache, 358
 - pharty3.RedisWrapper, 359
- content_descriptor
 - lemmiwinks.httplib.container.Response, 365, 367
- cookies
 - lemmiwinks.httplib.abstract.AsyncJsClient, 108
 - lemmiwinks.httplib.client.SeleniumClient, 381, 383
- create, 24
 - end, 24
 - f, 24
 - index, 24
 - indices, 24
 - item, 25
 - model, 25
 - np, 25
 - per_index, 25
 - properties, 25
 - start, 25
- create_connection
 - pharty3.RedisWrapper, 360
- create_content_descriptor
 - pharty3.AIO Lemmiwinks, 90
- create_paragraph
 - model.Generator, 245
- create_sentence
 - model.Generator, 245
- create_tab
 - lemmiwinks.archive.maff.MozillaArchiveFormat, 332
- create_weights
 - model.Generator, 246
- css_parser
 - lemmiwinks.archive.migration.abstract.MigrationSettings, 320
 - pharty3.ArchiveSettings, 99
- date
 - basicplatform.items.BasicplatformItem, 128
 - pharty3.DBStorageData, 202
 - testplatform.items.TestplatformItem, 406
- db_connection
 - pharty3, 34
- DB_DEBUG
 - settings, 36
- db_engine
 - pharty3, 34
- DB_NAME
 - settings, 36
- db_session
 - pharty3.AIO Lemmiwinks, 91
- DB_URL
 - settings, 36
- debug
 - app, 19
- default_delay
 - web.Api, 95
 - web.Detail, 207
 - web.Index, 287
 - web.Maps, 317
 - web.Properties, 343
- DEFAULT_ENCODING
 - lemmiwinks.parslib.parser, 31
- delay_time
 - pharty3.AIO Lemmiwinks, 91
- delete
 - resources.job.Job, 298
 - resources.job.Jobs, 300
- description
 - testplatform.items.TestplatformItem, 406
- description_style
 - lemmiwinks.archive.migration.container.ElementFilterRules, 225
 - lemmiwinks.archive.migration.container.HTMLFilter, 261
- deserialization
 - utils, 42
- dict, 208
- DONE
 - resources.job.ProcessStatus, 340
- download
 - lemmiwinks.httplib.provider.HTTPClientDownloader, 281
- driver
 - basicplatform.middlewares.SeleniumMiddleware, 385
- DUPLICATION
 - resources.job.ProcessStatus, 340
- dynamicJavaScript
 - models.job.CreateJobModel, 166
- elements
 - lemmiwinks.archive.migration.container.ElementFilterRules, 226
 - lemmiwinks.archive.migration.container.HTMLFilter, 261
- elements_event
 - lemmiwinks.archive.migration.container.HTMLFilter, 262
- end
 - create, 24
- endpoint
 - web, 44
- entity_location
 - lemmiwinks.archive.migration.abstract.BaseProperty, 121

- events
 - lemmiwinks.archive.migration.container.ElementFilterRules, 226
- Exception, 239
- export
 - lemmiwinks.archive.migration.abstract.BaseEntity, 113
 - lemmiwinks.archive.migration.migrate.CSSDeclaration, 170
 - lemmiwinks.archive.migration.migrate.CssFile, 176
 - lemmiwinks.archive.migration.migrate.CSSStyle, 195
 - lemmiwinks.archive.migration.migrate.IndexFile, 290
 - lemmiwinks.parslib.abstract.CSSParser, 190
 - lemmiwinks.parslib.abstract.HTMLParser, 276
 - lemmiwinks.parslib.parser.BsHTMLParser, 151
 - lemmiwinks.parslib.parser.TinyCSSParser, 429
- extract
 - lemmiwinks.extractor.abstract.BaseExtractor, 115
 - lemmiwinks.extractor.extractor.RegexExtractor, 363
- f
 - create, 24
- factory
 - web, 44
- filepath_generator
 - lemmiwinks.pathgen.FilePathProvider, 243
- find_elements
 - lemmiwinks.parslib.abstract.HTMLParser, 276
 - lemmiwinks.parslib.parser.BsHTMLParser, 152
- find_job
 - resources.job.JobsStorage, 303
- firefox_factory
 - lemmiwinks.httplib.provider.ClientFactoryProvider, 156
- FORM_LOGIN
 - basicplatform.settings, 21
 - testplatform.settings, 40
- FORM_NAME
 - basicplatform.settings, 21
 - testplatform.settings, 40
- FORM_PASSWORD
 - basicplatform.settings, 21
 - testplatform.settings, 40
- formLogin
 - models.job.CreateJobModel, 166
- formName
 - models.job.CreateJobModel, 166
- formPassword
 - models.job.CreateJobModel, 166
- frames
 - lemmiwinks.archive.migration.container.ElementFilterRules, 226
 - lemmiwinks.archive.migration.container.HTMLFilter, 262
- from_crawler
 - basicplatform.middlewares.SeleniumMiddleware, 384
 - basicplatform.middlewares.TestprojSpiderMiddleware, 413
 - basicplatform.pipelines.redis.RedisCache, 357
 - testplatform.middlewares.TestplatformDownloaderMiddleware, 403
 - testplatform.middlewares.TestplatformSpiderMiddleware, 410
- from_file
 - model.Model, 328
- from_json_file
 - model.Model, 328
- FULL_JS_EXECUTION
 - lemmiwinks.archive.archive.Mode, 326
- generate_filepath_with
 - lemmiwinks.pathgen.FilePathGenerator, 241
- get
 - resources.job.Job, 298
 - resources.job.Jobs, 300
- get_all_jobs
 - resources.job.JobsStorage, 303
- get_client
 - lemmiwinks.httplib.provider.ClientPool, 162
- get_filepath_with
 - lemmiwinks.pathgen.DirectoryWrapper, 210
- get_if
 - web, 44
- get_item
 - model.Model, 328
- get_items
 - model.Model, 328
- get_location
 - model.Model, 329
- get_logger
 - lemmiwinks.lemmiwinks.Logger, 311
 - utils.Logger, 312
- get_relp_path_from
 - lemmiwinks.pathgen.FilePathGenerator, 241
- get_request
 - lemmiwinks.httplib.abstract.AsyncClient, 102
 - lemmiwinks.httplib.abstract.AsyncJsClient, 108
 - lemmiwinks.httplib.client.AIOClient, 81
 - lemmiwinks.httplib.client.SeleniumClient, 381
- getChild
 - web.Dynamic, 217
- getfloat
 - web.SettingsFromUrl, 387
- getint
 - web.SettingsFromUrl, 387
- headers
 - basicplatform.items.BasicplatformItem, 128
 - lemmiwinks.httplib.abstract.AsyncClient, 102, 103
 - lemmiwinks.httplib.client.AIOClient, 81, 82
 - pharty3.ArchiveSettings, 100
- host
 - app, 19

- html_parser
 - lemmiwinks.archive.migration.abstract.MigrationSettings, 320
 - pharty3.ArchiveSettings, 99
- htmlcontent
 - basicplatform.items.BasicplatformItem, 128
- http_client
 - lemmiwinks.archive.migration.abstract.MigrationSettings, 320
 - pharty3.ArchiveSettings, 99
- http_js_pool
 - lemmiwinks.archive.migration.abstract.MigrationSettings, 321
 - pharty3.ArchiveSettings, 99
- image_urls
 - testplatform.items.TestplatformItem, 406
- images
 - testplatform.items.TestplatformItem, 406
- import_tokens
 - lemmiwinks.parslib.abstract.CSSParser, 190
- IN_PROGRESS
 - resources.job.ProcessStatus, 340
- index
 - create, 24
- index_file
 - lemmiwinks.archive.migration.migrate.IndexFileContainer, 292
- index_file_name
 - lemmiwinks.archive.maff.RDF, 351, 352
- index_file_with_js_execution
 - lemmiwinks.archive.migration.migrate.IndexFileContainer, 292
- index_name
 - lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo, 368
- indices
 - create, 24
- init_redis_pool
 - basicplatform.pipelines.redis.RedisCache, 357
- isLeaf
 - web.BaseResource, 125
 - web.Benchmark, 142
 - web.Home, 249
- item
 - create, 25
- ITEM_PIPELINES
 - basicplatform.settings, 22
- JOB
 - basicplatform.settings, 22
- job
 - basicplatform.items.BasicplatformItem, 128
 - models.job.CreateJobModel, 166
 - pharty3.DBStorageData, 202
 - pharty3.DBStorageJobs, 204
- jobs
 - resources.job.JobsStorage, 304
- js_script
 - lemmiwinks.archive.migration.container.ElementFilterRules, 227
 - lemmiwinks.archive.migration.container.HTMLFilter, 262
 - lemmit/lemmiwinks/__init__.py, 465
 - lemmit/lemmiwinks/archive/__init__.py, 465
 - lemmit/lemmiwinks/archive/abstract.py, 467
 - lemmit/lemmiwinks/archive/archive.py, 468
 - lemmit/lemmiwinks/archive/maff.py, 469
 - lemmit/lemmiwinks/archive/migration/__init__.py, 465
 - lemmit/lemmiwinks/archive/migration/abstract.py, 467
 - lemmit/lemmiwinks/archive/migration/container.py, 469
 - lemmit/lemmiwinks/archive/migration/migrate.py, 470
 - lemmit/lemmiwinks/archive/rdfinfo.py, 470
 - lemmit/lemmiwinks/extractor/__init__.py, 465
 - lemmit/lemmiwinks/extractor/abstract.py, 467
 - lemmit/lemmiwinks/extractor/extractor.py, 471
 - lemmit/lemmiwinks/httpplib/__init__.py, 465
 - lemmit/lemmiwinks/httpplib/abstract.py, 468
 - lemmit/lemmiwinks/httpplib/client.py, 471
 - lemmit/lemmiwinks/httpplib/container.py, 469
 - lemmit/lemmiwinks/httpplib/exception.py, 471
 - lemmit/lemmiwinks/httpplib/provider.py, 472
 - lemmit/lemmiwinks/httpplib/resolver.py, 472
 - lemmit/lemmiwinks/lemmiwinks.py, 472
 - lemmit/lemmiwinks/parslib/__init__.py, 466
 - lemmit/lemmiwinks/parslib/abstract.py, 468
 - lemmit/lemmiwinks/parslib/exception.py, 471
 - lemmit/lemmiwinks/parslib/parser.py, 473
 - lemmit/lemmiwinks/parslib/provider.py, 472
 - lemmit/lemmiwinks/pathgen.py, 473
 - lemmit/lemmiwinks singleton.py, 473
 - lemmit/lemmiwinks/taskwrapper.py, 474
 - lemmit/pharty3.py, 474
 - lemmit/README.md, 474
 - lemmit/settings.py, 474
 - lemmit/tests/test_archive.py, 476
 - lemmit/tests/test_db.py, 476
 - lemmit/tests/test_redis.py, 477
 - lemmiwinks, 26
 - test_archive.TestArchivation, 394
 - test_db.TestDB, 399
 - lemmiwinks.archive, 26
 - lemmiwinks.archive.abstract, 26
 - lemmiwinks.archive.abstract.BaseLetter, 116
 - write_to, 117
 - lemmiwinks.archive.archive, 26
 - lemmiwinks.archive.archive._HTMLResponseLetter, 58
 - __archive_time, 63
 - __create_index_files_dir_in, 60
 - __create_rdf_to, 60
 - __file_info, 63
 - __index_file, 63
 - __index_migration, 63
 - __init__, 60
 - __init_attributes_of, 61
 - __logger, 63
 - __response, 64

- __save_index_htm_to, 61
- __save_response_to, 62
- __settings, 64
- write_to, 62
- lemmiwinks.archive.archive._ResponseLetter, 72
 - __archive_time, 76
 - __create_rdf_to, 74
 - __file_info, 76
 - __init__, 74
 - __init_attributes_of, 74
 - __response, 76
 - __save_response_to, 75
 - write_to, 75
- lemmiwinks.archive.archive.Archive, 96
 - archive_as_maff, 96
- lemmiwinks.archive.archive.Envelop, 238
- lemmiwinks.archive.archive.Mode, 325
 - FULL_JS_EXECUTION, 326
 - NO_JS_EXECUTION, 326
- lemmiwinks.archive.archive.SaveResponseLetter, 370
 - __get_response_letter, 372
 - __html_letter, 373
 - __html_letter_with_js_execution, 373
 - __init__, 372
 - __is_js_mode, 373
 - __is_no_js_mode, 374
 - __is_response_html, 374
 - __logger, 375
 - __mode, 375
 - __response, 375
 - __settings, 375
 - write_to, 374
- lemmiwinks.archive.maff, 26
- lemmiwinks.archive.maff.MozillaArchiveFormat, 330
 - __enter__, 331
 - __exit__, 331
 - __init__, 331
 - __zip_directory_to, 331
 - _filepath, 333
 - _tabs, 333
 - create_tab, 332
 - make_archive, 332
- lemmiwinks.archive.maff.RDF, 344
 - __create_node, 345
 - __enter__, 346
 - __exit__, 346
 - __find_element_by, 346
 - __get_element_value, 347
 - __init__, 345
 - __init_description, 348
 - __init_xml, 348
 - __str__, 348
 - __update_element, 348
 - _description, 355
 - _filepath, 355
 - _xml, 355
 - archive_time, 349, 350
 - charset, 350, 351
 - index_file_name, 351, 352
 - save, 352
 - title, 353
 - url, 354
- lemmiwinks.archive.migration, 27
- lemmiwinks.archive.migration.abstract, 27
- lemmiwinks.archive.migration.abstract.BaseEntity, 111
 - __getattr__, 113
 - __init__, 112
 - __property, 113
 - export, 113
 - migrate_external_sources, 113
- lemmiwinks.archive.migration.abstract.BaseMigration, 117
 - migrate, 118
- lemmiwinks.archive.migration.abstract.BaseProperty, 119
 - __entity_location, 122
 - __init__, 121
 - __parser, 122
 - __path_gen, 122
 - __recursion_limit, 122
 - __resolver, 123
 - __resource_location, 123
 - entity_location, 121
 - parser, 121
 - path_gen, 121
 - recursion_limit, 122
 - resolver, 122
 - resource_location, 122
- lemmiwinks.archive.migration.abstract.DataHandler, 199
 - process, 200
- lemmiwinks.archive.migration.abstract.MigrationSettings, 319
 - css_parser, 320
 - html_parser, 320
 - http_client, 320
 - http_js_pool, 321
 - path_gen, 321
 - resolver, 321
- lemmiwinks.archive.migration.abstract.UpdateEntity, 450
 - __init__, 451
 - __get_data_from, 451
 - __logger, 452
 - __update_entity, 451
 - update_entity, 452
- lemmiwinks.archive.migration.container, 27
- lemmiwinks.archive.migration.container.ElementFilterRules, 223
 - __description_style, 228
 - __element_sources, 228
 - __events, 229
 - __flatten, 224
 - __format_events, 225
 - __frames, 229
 - __js_script, 229

- __script, 229
- __style, 230
- __stylesheet_link, 230
- description_style, 225
- elements, 226
- events, 226
- frames, 226
- js_script, 227
- script, 227
- style, 227
- stylesheet_link, 228
- lemmiwinks.archive.migration.container.HTMLFilter, 257
 - __convert_to_list, 258
 - __get_depended_attribute, 259
 - __get_element_list_from, 260
 - __init__, 258
 - _filter_rules, 263
 - _parser, 263
 - description_style, 261
 - elements, 261
 - elements_event, 262
 - frames, 262
 - js_script, 262
 - script, 262
 - style, 263
 - stylesheet_link, 263
- lemmiwinks.archive.migration.migrate, 27
- lemmiwinks.archive.migration.migrate._BaseElementTaskContainer, 47
 - __init__, 48
 - _css_declaration_handler, 49
 - _css_file_handler, 49
 - _css_style_handler, 50
 - _download_source, 50
 - _element_attr_updater, 50
 - _element_src_attr_updater, 50
 - _element_string_updater, 50
 - update_css_declaration, 49
 - update_css_style, 49
 - update_link_stylesheet_ref, 49
 - update_source_attr, 49
- lemmiwinks.archive.migration.migrate._BaseHTMLMigration, 51
 - __init__, 52
 - _html_filter, 54
 - _migrate_css_declaration, 52
 - _migrate_css_file, 52
 - _migrate_css_style, 53
 - _migrate_html_elements_sources, 53
 - _migrate_iframes, 54
 - _task, 54
- lemmiwinks.archive.migration.migrate._HTMLEntityHandler, 55
 - __init__, 57
 - __path_gen, 57
 - _register_path_for, 57
- lemmiwinks.archive.migration.migrate._RecursiveEntityHandler, 65
 - __init__, 67
 - __log_error, 67
 - __logger, 71
 - __migrate_entity_from, 67
 - __process_response, 68
 - __save_response, 69
 - _get_response_from, 69
 - _process_entity_recursively_from, 69
 - _recursion_limit, 71
 - _register_path_for, 70
 - _src_register, 71
 - _update_path_for, 70
 - process, 70
- lemmiwinks.archive.migration.migrate.CSSDeclaration, 168
 - __init__, 169
 - _css_migration, 170
 - export, 170
 - migrate_external_sources, 170
- lemmiwinks.archive.migration.migrate.CssDeclarationHandler, 171
 - __declaration_location, 173
 - __init__, 172
 - __recursion_limit, 173
 - __resource_location, 173
 - __settings, 173
 - __url, 173
 - process, 173
- lemmiwinks.archive.migration.migrate.CssFile, 174
 - __init__, 175
 - _css_migration, 176
 - _filepath, 176
 - export, 176
 - migrate_external_sources, 176
- lemmiwinks.archive.migration.migrate.CSSFileHandler, 178
 - __client, 181
 - __init__, 180
 - __path_gen, 181
 - __settings, 181
 - _get_response_from, 180
 - _process_entity_recursively_from, 180
 - _register_path_for, 180
- lemmiwinks.archive.migration.migrate.CSSMigration, 182
 - __css_entity, 185
 - __init__, 184
 - __task, 185
 - _update_import_tokens, 184
 - _update_url_tokens, 184
 - migrate, 184
- lemmiwinks.archive.migration.migrate.CSSStyle, 193
 - __init__, 194
 - _css_migration, 195
 - export, 195
 - migrate_external_sources, 195
- lemmiwinks.archive.migration.migrate.CssStyleHandler, 196

- __init__, 197
- __recursion_limit, 198
- __resource_location, 198
- __settings, 198
- __style_location, 198
- __url, 198
- process, 198
- lemmiwinks.archive.migration.migrate.DownloadHandler, 212
 - __download, 214
 - __downloader, 216
 - __init__, 214
 - __log_error, 214
 - __logger, 216
 - __path_gen, 216
 - __register_path_for_url, 215
 - __src_register, 216
 - process, 215
- lemmiwinks.archive.migration.migrate.ElementTaskContainer, 231
 - __init__, 232
 - _html_file_handler, 233
 - update_iframe_source, 233
- lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution, 234
 - __init__, 236
 - _html_file_handler, 237
 - _inline_js_handler, 237
 - _js_file_handler, 237
 - update_event_attr, 236
 - update_iframe_source, 236
 - update_inline_script, 236
 - update_script_source, 236
- lemmiwinks.archive.migration.migrate.HTMLFileHandler, 250
 - __client, 252
 - __init__, 252
 - __resource_location, 253
 - __settings, 253
 - __get_response_from, 252
 - __process_entity_recursively_from, 252
- lemmiwinks.archive.migration.migrate.HTMLFileWithJsExecutionHandler, 254
 - __http_js_pool, 256
 - __init__, 256
 - __resource_location, 257
 - __settings, 257
 - __get_response_from, 256
 - __process_entity_recursively_from, 256
- lemmiwinks.archive.migration.migrate.HTMLMigration, 264
 - __init__, 265
 - _migrate_script_source, 266
 - migrate, 266
- lemmiwinks.archive.migration.migrate.HTMLMigrationWithJsExecution, 267
 - __init__, 268
 - _migrate_inline_script, 269
 - _migrate_js_events, 269
 - _migrate_script_source, 269
 - migrate, 269
- lemmiwinks.archive.migration.migrate.IndexFile, 288
 - __init__, 290
 - __init_resolver, 290
 - __parser, 291
 - __filepath, 291
 - _html_migration, 291
 - _logger, 291
 - _settings, 291
 - export, 290
 - migrate_external_sources, 290
- lemmiwinks.archive.migration.migrate.IndexFileContainer, 292
 - index_file, 292
 - index_file_with_js_execution, 292
- lemmiwinks.archive.migration.migrate.InlineJSHandler, 293
 - __init__, 294
 - process, 294
- lemmiwinks.archive.migration.migrate.JSFileHandler, 305
 - __path_gen, 307
 - process, 307
- lemmiwinks.archive.migration.migrate.SrcRegister, 390
- lemmiwinks.archive.migration.migrate.TokenTaskContainer, 437
 - __css_file_handler, 438
 - __download_token, 438
 - __init__, 438
 - __token_value_updater, 438
 - update_import_token, 438
 - update_url_token, 438
- lemmiwinks.archive.migration.migrate.UpdateElementAttribute, 441
 - __init__, 442
 - _get_data_from, 443
 - _update_entity, 443
- lemmiwinks.archive.migration.migrate.UpdateElementAttributeSource, 444
 - __init__, 446
 - __path_gen, 446
 - __resolver, 446
 - _get_data_from, 446
 - _update_entity, 446
- lemmiwinks.archive.migration.migrate.UpdateElementString, 447
 - __init__, 448
 - _get_data_from, 449
 - _update_entity, 449
- lemmiwinks.archive.migration.migrate.UpdateTokenValue, 453
 - __init__, 455
 - __path_gen, 455
 - __resolver, 455
 - _get_data_from, 455

- [_update_entity](#), 455
- [lemmiwinks.archive.rdfinfo](#), 28
- [lemmiwinks.archive.rdfinfo.ParserMaffRDFInfo](#), 335
 - [__init__](#), 336
 - [__logger](#), 336
 - [__parser](#), 336
 - [charset](#), 336
 - [title](#), 336
- [lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo](#), 367
 - [__init__](#), 368
 - [__logger](#), 369
 - [__response](#), 369
 - [charset](#), 368
 - [index_name](#), 368
 - [title](#), 368
 - [url](#), 368
- [lemmiwinks.archive.rdfinfo.TimeMaffRDFInfo](#), 419
 - [__init__](#), 419
 - [__logger](#), 420
 - [time](#), 420
- [lemmiwinks.extractor](#), 28
- [lemmiwinks.extractor.abstract](#), 28
- [lemmiwinks.extractor.abstract.BaseExtractor](#), 114
 - [extract](#), 115
- [lemmiwinks.extractor.extractor](#), 28
- [lemmiwinks.extractor.extractor.RegexExtractor](#), 361
 - [__del__](#), 363
 - [__document](#), 363
 - [__init__](#), 362
 - [__pattern](#), 363
 - [__pattern_name](#), 363
 - [extract](#), 363
- [lemmiwinks.httplib](#), 29
- [lemmiwinks.httplib.abstract](#), 29
- [lemmiwinks.httplib.abstract.AsyncClient](#), 101
 - [get_request](#), 102
 - [headers](#), 102, 103
 - [post_request](#), 103
 - [proxy](#), 103, 104
 - [timeout](#), 104, 105
- [lemmiwinks.httplib.abstract.AsyncJsClient](#), 106
 - [__init__](#), 107
 - [__cookies](#), 110
 - [__logger](#), 110
 - [__timeout](#), 110
 - [cookies](#), 108
 - [get_request](#), 108
 - [save_screenshot_to](#), 109
 - [timeout](#), 109
- [lemmiwinks.httplib.client](#), 29
- [lemmiwinks.httplib.client.AIOClient](#), 77
 - [__chunk_size](#), 84
 - [__connector](#), 84
 - [__cookies](#), 85
 - [__del__](#), 79
 - [__get_content_descriptor_from](#), 80
 - [__get_response_from](#), 80
 - [__get_url_and_status_from](#), 81
 - [__headers](#), 85
 - [__init__](#), 79
 - [__proxy](#), 85
 - [__session](#), 85
 - [__timeout](#), 85
 - [get_request](#), 81
 - [headers](#), 81, 82
 - [post_request](#), 82
 - [proxy](#), 82, 83
 - [timeout](#), 83, 84
- [lemmiwinks.httplib.client.SeleniumClient](#), 377
 - [__del__](#), 379
 - [__driver](#), 382
 - [__get_content_descriptor](#), 379
 - [__get_response](#), 380
 - [__get_url_and_status](#), 380
 - [__init__](#), 379
 - [__send_request](#), 381
 - [__timeout](#), 382
 - [__cookies](#), 382
 - [cookies](#), 381, 383
 - [get_request](#), 381
 - [save_screenshot_to](#), 382
- [lemmiwinks.httplib.container](#), 29
 - [AIOProxy](#), 29
 - [Proxy](#), 30
- [lemmiwinks.httplib.container.InstanceStatus](#), 295
 - [AWALIAABLE](#), 296
 - [RESERVED](#), 296
- [lemmiwinks.httplib.container.Response](#), 364
 - [__content_descriptor](#), 366
 - [__del__](#), 365
 - [__init__](#), 365
 - [__logger](#), 366
 - [__url_and_status](#), 366
 - [accessed_url](#), 365
 - [content_descriptor](#), 365, 367
 - [requested_url](#), 366
 - [url_and_status](#), 366, 367
- [lemmiwinks.httplib.exception](#), 30
- [lemmiwinks.httplib.exception.HTTPClientConnectionFailed](#), 278
- [lemmiwinks.httplib.exception.HTTPClientError](#), 283
- [lemmiwinks.httplib.exception.PoolError](#), 337
- [lemmiwinks.httplib.exception.URLResolverError](#), 459
- [lemmiwinks.httplib.exception.UrlValidationError](#), 461
- [lemmiwinks.httplib.provider](#), 30
- [lemmiwinks.httplib.provider.ClientFactory](#), 153
 - [__cls](#), 154
 - [__init__](#), 153
 - [__kwargs](#), 154
 - [client](#), 154
 - [singleton_client](#), 154
- [lemmiwinks.httplib.provider.ClientFactoryProvider](#), 155
 - [aio_factory](#), 156
 - [chrome_factory](#), 156
 - [firefox_factory](#), 156
 - [phantomjs_factory](#), 156

- selenium_factory, 156
- lemmiwinks.httplib.provider.ClientPool, 157
 - __acquire_instance, 159
 - __del__, 159
 - __get_available_instance, 160
 - __init__, 159
 - __is_instance_available, 160
 - __logger, 163
 - __update_instance_state_to, 161
 - _assign_dict, 163
 - _factory, 163
 - _kwargs, 163
 - _lock, 163
 - _max_pool, 163
 - _semaphore, 164
 - acquire, 161
 - get_client, 162
 - release, 162
- lemmiwinks.httplib.provider.HTTPClientDownloader, 280
 - __http_client, 281
 - __init__, 280
 - __save_response_content_to, 281
 - __logger, 281
 - download, 281
- lemmiwinks.httplib.provider.HTTPClientDownloadProvider, 282
 - aio_downloader, 282
- lemmiwinks.httplib.resolver, 30
- lemmiwinks.httplib.resolver.URLResolver, 456
 - __base, 458
 - __format, 457
 - __init__, 456
 - __logger, 458
 - base, 457
 - resolve, 458
- lemmiwinks.lemmiwinks, 30
- lemmiwinks.lemmiwinks.Lemmiwinks, 308
 - __init__, 309
 - logger, 311
 - loop, 311
 - run, 310
 - stop, 310
 - task_executor, 310
- lemmiwinks.lemmiwinks.Logger, 311
 - get_logger, 311
- lemmiwinks.parslib, 31
- lemmiwinks.parslib.abstract, 31
- lemmiwinks.parslib.abstract.CSSParser, 188
 - __init__, 189
 - __import_token_list, 190
 - __logger, 191
 - __parser, 191
 - __url_token_list, 191
 - export, 190
 - import_tokens, 190
 - parse_tokens, 190
 - url_tokens, 190
- lemmiwinks.parslib.abstract.Element, 219
 - __getitem__, 221
 - __init__, 220
 - __setitem__, 221
 - __str__, 221
 - __element, 222
 - attrs, 221
 - name, 221
 - string, 222
- lemmiwinks.parslib.abstract.HTMLParser, 273
 - __init__, 274
 - __logger, 276
 - base, 275
 - charset, 275
 - export, 276
 - find_elements, 276
 - text, 276
 - title, 276
- lemmiwinks.parslib.abstract.Token, 434
 - __init__, 435
 - __str__, 436
 - __token, 437
 - value, 436
- lemmiwinks.parslib.exception, 31
- lemmiwinks.parslib.exception.CSSParseError, 186
- lemmiwinks.parslib.exception.HTMLParseError, 271
- lemmiwinks.parslib.exception.ParserError, 334
- lemmiwinks.parslib.exception.TagDoesNotExists, 392
- lemmiwinks.parslib.parser, 31
 - DEFAULT_ENCODING, 31
- lemmiwinks.parslib.parser.BsElement, 143
 - __getitem__, 145
 - __init__, 145
 - __setitem__, 145
 - __str__, 145
 - attrs, 145
 - name, 146
 - string, 146
- lemmiwinks.parslib.parser.BsHTMLParser, 148
 - __convert_to_bselement_list, 150
 - __init__, 150
 - __soup, 152
 - base, 150, 151
 - charset, 151
 - export, 151
 - find_elements, 152
 - text, 152
 - title, 152
- lemmiwinks.parslib.parser.TinyCSSParser, 421
 - __init__, 423
 - __is_at_rule, 423
 - __is_declaration, 423
 - __is_import, 424
 - __is_qualified_rule, 424
 - __is_string_token, 425
 - __is_token_value_url, 425
 - __is_url_token, 425
 - __process_component_value, 425

- __process_declaration, 426
 - __process_import, 427
 - __process_rule, 427
 - __process_url_token, 428
 - __search_tokens_in, 428
- export, 429
- parse_tokens, 429
- lemmiwinks.parslib.parser.TinyToken, 431
 - __init__, 432
 - __str__, 433
 - value, 433
- lemmiwinks.parslib.provider, 32
- lemmiwinks.parslib.provider.CSSParserProvider, 191
 - __create_tynicss_stylesheet, 192
 - tynicss_parser, 192
- lemmiwinks.parslib.provider.HTMLParserProvider, 277
 - bs_parser, 277
- lemmiwinks.pathgen, 32
- lemmiwinks.pathgen.DirectoryWrapper, 209
 - __generate_filepath_with, 210
 - __generate_unique_filepath_with, 210
 - __init__, 209
 - _dirpath, 211
 - _files, 211
 - get_filepath_with, 210
- lemmiwinks.pathgen.FilePathGenerator, 240
 - __generate_abs_filepath_with, 241
 - __init__, 240
 - _directory, 242
 - _logger, 242
 - _path_prefix, 242
 - generate_filepath_with, 241
 - get_relpath_from, 241
- lemmiwinks.pathgen.FilePathProvider, 242
 - filepath_generator, 243
- lemmiwinks.pathgen.MimeFileExtension, 321
 - __filepath, 324
 - __get_extension_from, 322
 - __get_extension_from_url, 322
 - __get_mime_type_from_filepath, 323
 - __init__, 322
 - __is_extension_valid_to_mime_type, 323
 - __url, 324
 - add_extension_to, 323
- lemmiwinks.singleton, 32
- lemmiwinks.singleton.Singleton, 388
 - __call__, 389
 - _instances, 389
- lemmiwinks.singleton.ThreadSafeSingleton, 417
 - __call__, 418
 - _instances, 418
 - _lock, 419
- lemmiwinks.taskwrapper, 32
 - task, 32
- location
 - testplatform.items.TestplatformItem, 406
- LOG_CONSOLE_LEVEL
 - settings, 36
- LOG_FILE_LEVEL
 - settings, 36
- LOG_LEVEL
 - basicplatform.settings, 22
- LOG_PATH
 - settings, 36
- LOG_STDOUT
 - basicplatform.settings, 22
- logFile
 - models.job.CreateJobModel, 166
- logged_in
 - web.ILoginGate, 285
 - web.LoginGate, 314
- logger
 - lemmiwinks.lemmiwinks.Lemmiwinks, 311
 - pharty3.AIOLEmmiwinks, 91
 - pharty3.RedisWrapper, 360
 - resources.job.Job, 298
 - resources.job.Jobs, 301
 - resources.job.JobsStorage, 304
- login
 - basicplatform.spiders.login.BasicSpider, 134
 - testplatform.spiders.test_login.BasicSpider, 138
- LOGIN_URL
 - basicplatform.settings, 22
 - testplatform.settings, 40
- loginUrl
 - models.job.CreateJobModel, 167
- logLevel
 - models.job.CreateJobModel, 167
- loop
 - lemmiwinks.lemmiwinks.Lemmiwinks, 311
 - test_archive, 37
 - test_db, 38
 - test_redis, 38
- ma
 - utils, 43
- make_archive
 - lemmiwinks.archive.maff.MozillaArchiveFormat, 332
- metaclass, 318
- migrate
 - lemmiwinks.archive.migration.abstract.BaseMigration, 118
 - lemmiwinks.archive.migration.migrate.CSSMigration, 184
 - lemmiwinks.archive.migration.migrate.HTMLMigration, 266
 - lemmiwinks.archive.migration.migrate.HTMLMigrationWithJSExecution, 269
- migrate_external_sources
 - lemmiwinks.archive.migration.abstract.BaseEntity, 113
 - lemmiwinks.archive.migration.migrate.CSSDeclaration, 170
 - lemmiwinks.archive.migration.migrate.CssFile, 176
 - lemmiwinks.archive.migration.migrate.CSSStyle, 195

- lemmiwinks.archive.migration.migrate.IndexFile, 290
- mock_db_data
 - test_db.TestDB, 399
- mock_html_data
 - test_archive.TestArchivation, 394
- mock_redis_input
 - test_redis.TestRedis, 415
- model, 33
 - create, 25
 - model.TestModel, 401
 - web, 44
 - web.Maps, 318
 - web.Properties, 343
- model.Generator, 243
 - __init__, 244
 - _seed, 247
 - choice, 245
 - create_paragraph, 245
 - create_sentence, 245
 - create_weights, 246
 - rand, 246
 - rand_price, 247
- model.Model, 326
 - __init__, 328
 - _descriptions, 329
 - _location_index, 329
 - _locations, 329
 - _title_weights, 329
 - _titles, 330
 - from_file, 328
 - from_json_file, 328
 - get_item, 328
 - get_items, 328
 - get_location, 329
- model.TestModel, 400
 - model, 401
 - setUp, 401
 - test_bulk_crate, 401
 - test_create, 401
- models, 33
- models.job, 33
- models.job.CreateJobModel, 164
 - allowedDomains, 166
 - dynamicJavaScript, 166
 - formLogin, 166
 - formName, 166
 - formPassword, 166
 - job, 166
 - logFile, 166
 - loginUrl, 167
 - logLevel, 167
 - password, 167
 - regexPattern, 167
 - robotstxtObey, 167
 - spider, 167
 - startUrls, 167
 - username, 167
- name
 - basicplatform.spiders.basic.BasicSpider, 131
 - basicplatform.spiders.login.BasicSpider, 136
 - lemmiwinks.parslib.abstract.Element, 221
 - lemmiwinks.parslib.parser.BsElement, 146
 - testplatform.spiders.test_basic.TestBasicSpider, 397
 - testplatform.spiders.test_login.BasicSpider, 140
- NEWSPIDER_MODULE
 - testplatform.settings, 40
- NO_JS_EXECUTION
 - lemmiwinks.archive.archive.Mode, 326
- nonce
 - web.ILoginGate, 285
 - web.LoginGate, 315
- np
 - create, 25
- object, 333
- parse_item
 - basicplatform.spiders.basic.BasicSpider, 130
 - basicplatform.spiders.login.BasicSpider, 135
 - testplatform.spiders.test_basic.TestBasicSpider, 397
 - testplatform.spiders.test_login.BasicSpider, 139
- parse_tokens
 - lemmiwinks.parslib.abstract.CSSParser, 190
 - lemmiwinks.parslib.parser.TinyCSSParser, 429
- parser
 - lemmiwinks.archive.migration.abstract.BaseProperty, 121
- PASSWORD
 - testplatform.settings, 40
- password
 - models.job.CreateJobModel, 167
- path
 - pharty3.DBStorageData, 202
 - web, 45
- path_gen
 - lemmiwinks.archive.migration.abstract.BaseProperty, 121
 - lemmiwinks.archive.migration.abstract.MigrationSettings, 321
 - pharty3.ArchiveSettings, 99
- PATTERN
 - basicplatform.settings, 22
- pattern
 - basicplatform.spiders.basic.BasicSpider, 131
 - basicplatform.spiders.login.BasicSpider, 136
- per_index
 - create, 25
 - web.Properties, 343
- phantomjs_factory
 - lemmiwinks.httplib.provider.ClientFactoryProvider, 156
- pharty3, 33
 - aio_archive, 33
 - Base, 34

- db_connection, [34](#)
- db_engine, [34](#)
- Session, [34](#)
- pharty3.AIO Lemmiwinks, [86](#)
 - __init__, [88](#)
 - archive_response, [88](#)
 - archive_task, [89](#)
 - client, [91](#)
 - create_content_descriptor, [90](#)
 - db_session, [91](#)
 - delay_time, [91](#)
 - logger, [91](#)
 - redis, [92](#)
 - redis_queue, [92](#)
 - stop_condition, [92](#)
 - store_to_db, [90](#)
 - task_executor, [90](#)
- pharty3.ArchiveSettings, [97](#)
 - __init__, [98](#)
 - css_parser, [99](#)
 - headers, [100](#)
 - html_parser, [99](#)
 - http_client, [99](#)
 - http_js_pool, [99](#)
 - path_gen, [99](#)
 - resolver, [99](#)
- pharty3.DBStorageData, [200](#)
 - __tablename__, [201](#)
 - date, [202](#)
 - job, [202](#)
 - path, [202](#)
 - regex_match, [202](#)
 - server, [202](#)
 - spider, [202](#)
 - url, [202](#)
- pharty3.DBStorageJobs, [203](#)
 - __tablename__, [204](#)
 - job, [204](#)
 - regex_pattern, [205](#)
- pharty3.RedisWrapper, [358](#)
 - __init__, [359](#)
 - address, [360](#)
 - close_connection, [359](#)
 - connection, [359](#)
 - create_connection, [360](#)
 - logger, [360](#)
 - redis, [361](#)
 - serialize_data, [360](#)
- post
 - resources.job.Jobs, [300](#)
- post_request
 - lemmiwinks.httplib.abstract.AsyncClient, [103](#)
 - lemmiwinks.httplib.client.AIOClient, [82](#)
- price
 - testplatform.items.TestplatformItem, [406](#)
- process
 - lemmiwinks.archive.migration.abstract.DataHandler, [200](#)
 - lemmiwinks.archive.migration.migrate._RecursiveEntityHandler, [70](#)
 - lemmiwinks.archive.migration.migrate.CssDeclarationHandler, [173](#)
 - lemmiwinks.archive.migration.migrate.CssStyleHandler, [198](#)
 - lemmiwinks.archive.migration.migrate.DownloadHandler, [215](#)
 - lemmiwinks.archive.migration.migrate.InlineJSHandler, [294](#)
 - lemmiwinks.archive.migration.migrate.JSFileHandler, [307](#)
- process_exception
 - basicplatform.middlewares.SeleniumMiddleware, [384](#)
 - testplatform.middlewares.TestplatformDownloaderMiddleware, [403](#)
- process_item
 - basicplatform.pipelines.redis.RedisCache, [357](#)
 - testplatform.pipelines.TestplatformPipeline, [408](#)
- process_request
 - basicplatform.middlewares.SeleniumMiddleware, [385](#)
 - testplatform.middlewares.TestplatformDownloaderMiddleware, [403](#)
- process_response
 - basicplatform.middlewares.SeleniumMiddleware, [385](#)
 - testplatform.middlewares.TestplatformDownloaderMiddleware, [403](#)
- process_spider_exception
 - basicplatform.middlewares.TestprojSpiderMiddleware, [413](#)
 - testplatform.middlewares.TestplatformSpiderMiddleware, [410](#)
- process_spider_input
 - basicplatform.middlewares.TestprojSpiderMiddleware, [414](#)
 - testplatform.middlewares.TestplatformSpiderMiddleware, [411](#)
- process_spider_output
 - basicplatform.middlewares.TestprojSpiderMiddleware, [414](#)
 - testplatform.middlewares.TestplatformSpiderMiddleware, [411](#)
- process_start_requests
 - basicplatform.middlewares.TestprojSpiderMiddleware, [414](#)
 - testplatform.middlewares.TestplatformSpiderMiddleware, [411](#)
- project
 - testplatform.items.TestplatformItem, [406](#)
- properties
 - create, [25](#)
 - web.Properties, [344](#)
- Proxy
 - lemmiwinks.httplib.container, [30](#)
- proxy

- lemmiwinks.httplib.abstract.AsyncClient, [103](#), [104](#)
- lemmiwinks.httplib.client.AIOClient, [82](#), [83](#)
- rand
 - model.Generator, [246](#)
- rand_price
 - model.Generator, [247](#)
- recursion_limit
 - lemmiwinks.archive.migration.abstract.BaseProperty, [122](#)
- redis
 - pharty3.AIO Lemmiwinks, [92](#)
 - pharty3.RedisWrapper, [361](#)
- REDIS_ADDRESS
 - settings, [37](#)
- REDIS_PIPELINE_URL
 - basicplatform.settings, [22](#)
- REDIS_QUEUE
 - basicplatform.settings, [23](#)
 - settings, [37](#)
- redis_queue
 - pharty3.AIO Lemmiwinks, [92](#)
- regex_match
 - basicplatform.items.BasicplatformItem, [128](#)
 - pharty3.DBStorageData, [202](#)
- regex_pattern
 - basicplatform.items.BasicplatformItem, [128](#)
 - pharty3.DBStorageJobs, [205](#)
- regexPattern
 - models.job.CreateJobModel, [167](#)
- release
 - lemmiwinks.httplib.provider.ClientPool, [162](#)
- render_error
 - view.View, [464](#)
- render_form
 - view.View, [464](#)
- render_gated
 - view.View, [464](#)
- render_GET
 - web.BaseResource, [124](#)
 - web.Benchmark, [142](#)
 - web.Dynamic, [218](#)
 - web.Home, [249](#)
- render_index
 - view.View, [464](#)
- render_maps
 - view.View, [464](#)
- render_POST
 - web.BaseResource, [125](#)
 - web.Dynamic, [218](#)
- render_property
 - view.View, [464](#)
- requested_url
 - lemmiwinks.httplib.container.Response, [366](#)
- RESERVED
 - lemmiwinks.httplib.container.InstanceStatus, [296](#)
- resolve
 - lemmiwinks.httplib.resolver.URLResolver, [458](#)
- resolver
 - lemmiwinks.archive.migration.abstract.BaseProperty, [122](#)
 - lemmiwinks.archive.migration.abstract.MigrationSettings, [321](#)
 - pharty3.ArchiveSettings, [99](#)
- resource_location
 - lemmiwinks.archive.migration.abstract.BaseProperty, [122](#)
- resources, [34](#)
- resources.job, [34](#)
 - set_selenium, [35](#)
 - set_value, [35](#)
- resources.job.Job, [297](#)
 - delete, [298](#)
 - get, [298](#)
 - logger, [298](#)
- resources.job.Jobs, [299](#)
 - delete, [300](#)
 - get, [300](#)
 - logger, [301](#)
 - post, [300](#)
- resources.job.JobsStorage, [302](#)
 - add_job, [303](#)
 - check_job_status, [303](#)
 - find_job, [303](#)
 - get_all_jobs, [303](#)
 - jobs, [304](#)
 - logger, [304](#)
 - stop_all_jobs, [304](#)
 - stop_job, [304](#)
- resources.job.ProcessStatus, [339](#)
 - DONE, [340](#)
 - DUPLICATION, [340](#)
 - IN_PROGRESS, [340](#)
 - UNKNOWN_PROCESS, [340](#)
- ROBOTSTXT_OBEY
 - basicplatform.settings, [23](#)
 - testplatform.settings, [41](#)
- robotstxtObey
 - models.job.CreateJobModel, [167](#)
- root
 - web, [45](#)
- rules
 - basicplatform.spiders.basic.BasicSpider, [131](#)
 - basicplatform.spiders.login.BasicSpider, [136](#)
 - testplatform.spiders.test_basic.TestBasicSpider, [397](#)
 - testplatform.spiders.test_login.BasicSpider, [140](#)
- run
 - lemmiwinks.lemmiwinks.Lemmiwinks, [310](#)
- save
 - lemmiwinks.archive.maff.RDF, [352](#)
- save_screenshot_to
 - lemmiwinks.httplib.abstract.AsyncJsClient, [109](#)
 - lemmiwinks.httplib.client.SeleniumClient, [382](#)
- scope
 - test_archive.TestArchivation, [395](#)
 - test_db.TestDB, [399](#)

- test_redis.TestRedis, 416
- scrapit/api/app.py, 477
- scrapit/api/models/__init__.py, 466
- scrapit/api/models/job.py, 477
- scrapit/api/resources/__init__.py, 466
- scrapit/api/resources/job.py, 478
- scrapit/api/settings.py, 475
- scrapit/api/utils.py, 478
- scrapit/basicplatform/basicplatform/__init__.py, 466
- scrapit/basicplatform/basicplatform/items.py, 478
- scrapit/basicplatform/basicplatform/middlewares.py, 479
- scrapit/basicplatform/basicplatform/pipelines/__init__.py, 466
- scrapit/basicplatform/basicplatform/pipelines/redis.py, 479
- scrapit/basicplatform/basicplatform/settings.py, 475
- scrapit/basicplatform/basicplatform/spiders/__init__.py, 466
- scrapit/basicplatform/basicplatform/spiders/basic.py, 480
- scrapit/basicplatform/basicplatform/spiders/login.py, 480
- scrapit/README.md, 474
- scrapit/tests/testplatform/testplatform/__init__.py, 467
- scrapit/tests/testplatform/testplatform/items.py, 479
- scrapit/tests/testplatform/testplatform/middlewares.py, 479
- scrapit/tests/testplatform/testplatform/pipelines.py, 480
- scrapit/tests/testplatform/testplatform/settings.py, 476
- scrapit/tests/testplatform/testplatform/spiders/__init__.py, 467
- scrapit/tests/testplatform/testplatform/spiders/test_basic.py, 480
- scrapit/tests/testplatform/testplatform/spiders/test_login.py, 481
- scrapit/tests/web/create.py, 481
- scrapit/tests/web/model.py, 481
- scrapit/tests/web/README.md, 474
- scrapit/tests/web/view.py, 482
- scrapit/tests/web/web.py, 482
- SCRAPY_PROJECT_PATH
 - settings, 37
- script
 - lemmiwinks.archive.migration.container.ElementFilterRules, 227
 - lemmiwinks.archive.migration.container.HTMLFilter, 262
- selenium_factory
 - lemmiwinks.httplib.provider.ClientFactoryProvider, 156
- serialize_data
 - pharty3.RedisWrapper, 360
- server
 - basicplatform.items.BasicplatformItem, 128
 - pharty3.DBStorageData, 202
 - testplatform.items.TestplatformItem, 406
- Session
 - pharty3, 34
- set_selenium
 - resources.job, 35
- set_value
 - resources.job, 35
- settings, 36
 - basicplatform.spiders.basic.BasicSpider, 131
 - basicplatform.spiders.login.BasicSpider, 136
 - DB_DEBUG, 36
 - DB_NAME, 36
 - DB_URL, 36
 - LOG_CONSOLE_LEVEL, 36
 - LOG_FILE_LEVEL, 36
 - LOG_PATH, 36
 - REDIS_ADDRESS, 37
 - REDIS_QUEUE, 37
 - SCRAPY_PROJECT_PATH, 37
 - testplatform.spiders.test_basic.TestBasicSpider, 398
 - testplatform.spiders.test_login.BasicSpider, 140
- setUp
 - model.TestModel, 401
- singleton_client
 - lemmiwinks.httplib.provider.ClientFactory, 154
- spider
 - basicplatform.items.BasicplatformItem, 128
 - models.job.CreateJobModel, 167
 - pharty3.DBStorageData, 202
 - testplatform.items.TestplatformItem, 407
- SPIDER_MODULES
 - basicplatform.settings, 23
 - testplatform.settings, 41
- spider_opened
 - basicplatform.middlewares.SeleniumMiddleware, 385
 - basicplatform.middlewares.TestprojSpiderMiddleware, 414
 - testplatform.middlewares.TestplatformDownloaderMiddleware, 403
 - testplatform.middlewares.TestplatformSpiderMiddleware, 411
- start
 - create, 25
- start_requests
 - basicplatform.spiders.login.BasicSpider, 135
 - testplatform.spiders.test_login.BasicSpider, 139
- START_URLS
 - basicplatform.settings, 23
- start_urls
 - basicplatform.spiders.basic.BasicSpider, 132
 - basicplatform.spiders.login.BasicSpider, 136
 - testplatform.spiders.test_basic.TestBasicSpider, 398
 - testplatform.spiders.test_login.BasicSpider, 140
- START_URLS_BASIC
 - testplatform.settings, 41
- START_URLS_LOGIN
 - testplatform.settings, 41
- startUrls

- models.job.CreateJobModel, 167
- stop
 - lemmiwinks.lemmiwinks.Lemmiwinks, 310
- stop_all_jobs
 - resources.job.JobsStorage, 304
- stop_condition
 - pharty3.AIOlemmiwinks, 92
- stop_job
 - resources.job.JobsStorage, 304
- store_to_db
 - pharty3.AIOlemmiwinks, 90
- string
 - lemmiwinks.parslib.abstract.Element, 222
 - lemmiwinks.parslib.parser.BsElement, 146
- style
 - lemmiwinks.archive.migration.container.ElementFilterRules, 227
 - lemmiwinks.archive.migration.container.HTMLFilter, 263
- stylesheet_link
 - lemmiwinks.archive.migration.container.ElementFilterRules, 228
 - lemmiwinks.archive.migration.container.HTMLFilter, 263
- task
 - lemmiwinks.taskwrapper, 32
- task_executor
 - lemmiwinks.lemmiwinks.Lemmiwinks, 310
 - pharty3.AIOlemmiwinks, 90
- test_archive, 37
 - loop, 37
- test_archive.TestArchivation, 394
 - archive_name, 395
 - lemmiwinks, 394
 - mock_html_data, 394
 - scope, 395
 - test_archive_page, 395
- test_archive_page
 - test_archive.TestArchivation, 395
- test_bulk_crate
 - model.TestModel, 401
- test_connection
 - test_db.TestDB, 399
 - test_redis.TestRedis, 415
- test_create
 - model.TestModel, 401
- test_db, 38
 - loop, 38
- test_db.TestDB, 398
 - lemmiwinks, 399
 - mock_db_data, 399
 - scope, 399
 - test_connection, 399
 - test_storage_jobs, 399
- test_redis, 38
 - loop, 38
- test_redis.TestRedis, 415
 - mock_redis_input, 415
 - scope, 416
 - test_connection, 415
 - test_serialization, 415
- test_serialization
 - test_redis.TestRedis, 415
- test_storage_jobs
 - test_db.TestDB, 399
- testplatform, 38
 - testplatform.items, 39
 - testplatform.items.TestplatformItem, 404
 - address, 405
 - date, 406
 - description, 406
 - image_urls, 406
 - images, 406
 - location, 406
 - price, 406
 - project, 406
 - server, 406
 - spider, 407
 - title, 407
 - url, 407
 - testplatform.middlewares, 39
 - testplatform.middlewares.TestplatformDownloaderMiddleware, 402
 - from_crawler, 403
 - process_exception, 403
 - process_request, 403
 - process_response, 403
 - spider_opened, 403
 - testplatform.middlewares.TestplatformSpiderMiddleware, 409
 - from_crawler, 410
 - process_spider_exception, 410
 - process_spider_input, 411
 - process_spider_output, 411
 - process_start_requests, 411
 - spider_opened, 411
 - testplatform.pipelines, 39
 - testplatform.pipelines.TestplatformPipeline, 407
 - process_item, 408
 - testplatform.settings, 39
 - ALLOWED_DOMAINS, 39
 - BOT_NAME, 40
 - CLOSESPIDER_ITEMCOUNT, 40
 - FORM_LOGIN, 40
 - FORM_NAME, 40
 - FORM_PASSWORD, 40
 - LOGIN_URL, 40
 - NEWSPIDER_MODULE, 40
 - PASSWORD, 40
 - ROBOTSTXT_OBEY, 41
 - SPIDER_MODULES, 41
 - START_URLS_BASIC, 41
 - START_URLS_LOGIN, 41
 - USERNAME, 41
 - testplatform.spiders, 41
 - testplatform.spiders.test_basic, 42

- testplatform.spiders.test_basic.TestBasicSpider, 396
 - allowed_domains, 397
 - name, 397
 - parse_item, 397
 - rules, 397
 - settings, 398
 - start_urls, 398
- testplatform.spiders.test_login, 42
- testplatform.spiders.test_login.BasicSpider, 137
 - allowed_domains, 140
 - login, 138
 - name, 140
 - parse_item, 139
 - rules, 140
 - settings, 140
 - start_requests, 139
 - start_urls, 140
- text
 - lemmiwinks.parslib.abstract.HTMLParser, 276
 - lemmiwinks.parslib.parser.BsHTMLParser, 152
- time
 - lemmiwinks.archive.rdfinfo.TimeMaffRDFInfo, 420
- timeout
 - lemmiwinks.httplib.abstract.AsyncClient, 104, 105
 - lemmiwinks.httplib.abstract.AsyncJsClient, 109
 - lemmiwinks.httplib.client.AIOClient, 83, 84
- tinycss_parser
 - lemmiwinks.parslib.provider.CSSParserProvider, 192
- title
 - lemmiwinks.archive.maff.RDF, 353
 - lemmiwinks.archive.rdfinfo.ParserMaffRDFInfo, 336
 - lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo, 368
 - lemmiwinks.parslib.abstract.HTMLParser, 276
 - lemmiwinks.parslib.parser.BsHTMLParser, 152
 - testplatform.items.TestplatformItem, 407
- type, 439
- UNKNOWN_PROCESS
 - resources.job.ProcessStatus, 340
- update_css_declaration
 - lemmiwinks.archive.migration.migrate._BaseElementTaskContainer, 49
- update_css_style
 - lemmiwinks.archive.migration.migrate._BaseElementTaskContainer, 49
- update_entity
 - lemmiwinks.archive.migration.abstract.UpdateEntity, 452
- update_event_attr
 - lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution, 236
- update_iframe_source
 - lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution, 233
 - lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution, 236
- update_import_token
 - lemmiwinks.archive.migration.migrate.TokenTaskContainer, 438
- update_inline_script
 - lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution, 236
- update_link_stylesheet_ref
 - lemmiwinks.archive.migration.migrate._BaseElementTaskContainer, 49
- update_script_source
 - lemmiwinks.archive.migration.migrate.ElementTaskContainerWithJsExecution, 236
- update_source_attr
 - lemmiwinks.archive.migration.migrate._BaseElementTaskContainer, 49
- update_url_token
 - lemmiwinks.archive.migration.migrate.TokenTaskContainer, 438
- url
 - basicplatform.items.BasicplatformItem, 129
 - lemmiwinks.archive.maff.RDF, 354
 - lemmiwinks.archive.rdfinfo.ResponseMaffRDFInfo, 368
 - pharty3.DBStorageData, 202
 - testplatform.items.TestplatformItem, 407
- url_and_status
 - lemmiwinks.httplib.container.Response, 366, 367
- url_to_settings
 - web.SettingsFromUrl, 388
- url_tokens
 - lemmiwinks.parslib.abstract.CSSParser, 190
- USERNAME
 - testplatform.settings, 41
- username
 - models.job.CreateJobModel, 167
- utils, 42
 - deserialization, 42
 - ma, 43
 - utils.Logger, 312
 - get_logger, 312
- value
 - lemmiwinks.parslib.abstract.Token, 436
 - lemmiwinks.parslib.parser.TinyToken, 433
 - view, 43
 - view.View, 463
 - render_error, 464
 - render_form, 464
 - render_gated, 464
 - render_index, 464
 - render_maps, 464
 - render_property, 464
 - web, 43
 - benchmark, 44
 - endpoint, 44
 - factory, 44
 - get_logger, 312
 - model, 44

- path, [45](#)
- root, [45](#)
- web.Api, [93](#)
 - [_delayedRender](#), [94](#)
 - [class_delay_setting](#), [95](#)
 - [default_delay](#), [95](#)
- web.BaseResource, [123](#)
 - [isLeaf](#), [125](#)
 - [render_GET](#), [124](#)
 - [render_POST](#), [125](#)
- web.Benchmark, [141](#)
 - [isLeaf](#), [142](#)
 - [render_GET](#), [142](#)
- web.Detail, [205](#)
 - [_delayedRender](#), [206](#)
 - [class_delay_setting](#), [207](#)
 - [default_delay](#), [207](#)
- web.Dynamic, [216](#)
 - [__init__](#), [217](#)
 - [getChild](#), [217](#)
 - [render_GET](#), [218](#)
 - [render_POST](#), [218](#)
- web.Home, [248](#)
 - [isLeaf](#), [249](#)
 - [render_GET](#), [249](#)
- web.ILoginGate, [284](#)
 - [logged_in](#), [285](#)
 - [nonce](#), [285](#)
- web.Index, [285](#)
 - [_delayedRender](#), [286](#)
 - [class_delay_setting](#), [287](#)
 - [default_delay](#), [287](#)
- web.LoginGate, [313](#)
 - [__init__](#), [314](#)
 - [logged_in](#), [314](#)
 - [nonce](#), [315](#)
- web.Maps, [315](#)
 - [__init__](#), [316](#)
 - [_delayedRender](#), [317](#)
 - [class_delay_setting](#), [317](#)
 - [default_delay](#), [317](#)
 - [model](#), [318](#)
- web.Properties, [341](#)
 - [__init__](#), [342](#)
 - [_delayedRender](#), [343](#)
 - [class_delay_setting](#), [343](#)
 - [default_delay](#), [343](#)
 - [model](#), [343](#)
 - [per_index](#), [343](#)
 - [properties](#), [344](#)
- web.SettingsFromUrl, [386](#)
 - [__init__](#), [387](#)
 - [_settings](#), [387](#)
 - [getfloat](#), [387](#)
 - [getint](#), [387](#)
 - [url_to_settings](#), [388](#)
- werkzeug_file_handler
 - app, [20](#)
- werkzeug_logger
 - app, [20](#)
- write_to
 - lemmiwinks.archive.abstract.BaseLetter, [117](#)
 - lemmiwinks.archive.archive._HTMLResponseLetter, [62](#)
 - lemmiwinks.archive.archive._ResponseLetter, [75](#)
 - lemmiwinks.archive.archive.SaveResponseLetter, [374](#)