Review of Master's Thesis

Student: Lysoněk Milan, Bc.
Title: System for Automatic Filtering of Tests (id 23098)
Reviewer: Smrčka Aleš, Ing., Ph.D., DITS FIT BUT

1. Assignment complexity   **average assignment**
The project includes studying several technologies none of which is difficult to understand and combining them together to achieve a project ready to be used in real development processes.

2. Completeness of assignment requirements   **assignment fulfilled**

3. Length of technical report   **in usual extent**
The technical report consists of approx. 90 normalised pages.

4. Presentation level of technical report   **70 p. (C)**
The overall structure is as expected but it lacks more formalised description. In particular in Chapter 4, where the proposed solution is designed, structural and behavioural description is missing (such as standardized diagrams, automata, tables, or semiformal algorithm for the filtering function).

5. Formal aspects of technical report   **90 p. (A)**
The report is typographically and grammatically really nice to read with no problem worth mentioning.

6. Literature usage   **90 p. (A)**
The selection of cited documents corresponds to a given topic. Most of them are online manuals and documentation of used tools. The sources [14] and [15] should be described in english since both of the theses are in english.

7. Implementation results   **90 p. (A)**
Implemented solution has been successfully demonstrated to me. The source code consists of approx. 2200 LOCs of Python and shell scripts. Even though the pylint score of the code is about 7.7/10 (which can be considered as a fair code quality), it lacks of more comments and documentation.

8. Utilizability of results
The implemented solution seems to be ready to be used in Red Hat.

9. Questions for defence
  • Which features of your project have been covered by automated tests using BAT? A tabular form with a short description will suffice.

10. Total assessment   **85 p. very good (B)**
The developed project is of a complexity of a master's thesis and looks like a nice and ready to use contribution to the community of open-source developers.

In Brno 29 June 2020

 Smrčka Aleš, Ing., Ph.D.
reviewer