Formal definition of Business rules by regulated grammars

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Abstract

The subject of my report will be preview on the formal definition of business rules. All organizations need to minimize exposure risk, reduce costs and protected revenue. Business rules properly defined enable to organizations to do all those things. There are two ways how to define and specify the required rules.

First way how to specify rules is in a manner that allows their developers to implement the required rules easy and correctly. Rules are defined by program specifications, program code and data definition language. This documentation method is easy for developers to formulate rules, however, do not easy provide for business stakeholders to play informed role in formulating rules or easy understand what rules apply.

Another way is specify rules by natural language. Properly constructed rule statements in natural language can provide all necessary information, to decide what rules are required and how to implement them. Of course there is a significant problem with natural language. Statements could be ambiguous or unclear. That's a reason we need to make a formal definition to help us make statements understandable.

In this article, we will discuss approach how to use regulated grammars to define properly define business rules. First, we focus on the detail specification business rules by several regulated grammars in agile environment. Next, we focus on advantage and disadvantage each grammar in formulation business rules. In conclusion, we will focus on other options which could be used for formal definition.

Based on:

WITT, Graham. *Writing effective business rules: a practical method*. Waltham, MA: Morgan Kaufman, c2012, xx, 340 s. ISBN 978-0-12-385051-5.

VON HALLE, Barbara. *The business rule revolution: running business the right way*. Cupertino, CA: Happy About, c2006, xxviii, 291 s. ISBN 978-1-60005-013-8.