

MASTER'S THESIS REVIEW

Author: Ruslan Bakeyev
Thesis Title: **Web Editor of the Model of the System Under Test Processes**
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Assignment

The assignment of the thesis was to design and implement a web editor for the creation and maintenance of models of a system under test (SUT). The resulting solution should be published as open-source and evaluated with a set of appropriate tests.

Technical Manuscript

The thesis is written in proper English; it is structured into eight main chapters. The main content of the thesis is on 46 pages. There are 44 references (approximately half of them are scientific papers).

The analytical part of the manuscript deals primarily with the introduction the system testing with particular focus on model-based testing. This part is very well written; the statements described are well-founded by relevant references.

Chapter 4 describes the specification of the web application in the form of non-functional and functional requirements. Unfortunately, these requirements are not further elaborated and are at least partially created ad-hoc.

Chapters 5 and 6 focus on technologies to be used for the implementation of server-side and client-side parts of the application. The conclusions are well-founded, and the selected technologies are suitable for the application to be developed.

Chapter 7 focuses on the implementation of the application. It also contains information that is typically part of the design development phase. Technical details described here proof that the resulting application fulfills the assignment requirements as well as requirements on scalability. Unfortunately there evaluation is not elaborated in the thesis. I also miss a description of the design, implementation, and evaluation of the user interface (from the user perspective).

Master's thesis of Mr. Ruslan Bakeyev proves his competence to work on complex assignments independently. The first part of the thesis is sound, especially chapter 3. On the contrary, I miss report from the evaluation of the application and information about the design and evaluation of the user interface.

I assess the thesis with mark B (very good).

In Prague, June 5th, 2019

Ing. Miroslav Macík, Ph.D.