Review of Master's Thesis

Student: Pastushenko Olena, Bc.
Title: Web Application for Information Dashboard Design (id 18413)
Reviewer: Ismael Mazen, Ing., MSc, UIFS FIT VUT

1. Assignment complexity   **average assignment**

2. Completeness of assignment requirements   **assignment fulfilled**
Student completed all the requirements.

3. Length of technical report   **in usual extent**

4. Presentation level of technical report   **79 p. (C)**
The student wrote a good technical report with an appendix of screenshots and usability evaluation report.

5. Formal aspects of technical report   **90 p. (A)**
Although the thesis contains a little amount of grammar and writing mistakes, still the thesis has been written in a perfect way, using simple vocabulary, clear meaning and good academic writing.

6. Literature usage   **70 p. (C)**
The amount of citations in the content of thesis should be higher. However, many references are recent and several books have been used.

7. Implementation results   **94 p. (A)**
The web application works successfully. Usability of the application is very good. All libraries which have been used are open source.

8. Utilizability of results
The student developed a reusable library called UXgraph for quick and simple design of charts (which was used to develop the output application used for the dashboard design). Besides that, the student published a paper in Excel FIT 2017 conference with the title "UXgraph - Vue.js library with predefined D3 graphs". The publication is attached to this report.

9. Questions for defence
1. Why have you created front-end and back-end as independent parts of the project?
2. In this thesis, you used D3.js with a Vue.js to build UXgraph library. Could you explain what is the usability of each one and how the libraries cooperate with each other?

10. Total assessment   **87 p. very good (B)**
The student wrote the thesis in well academic English and developed UXgraph library which was used to build the web application for the dashboard design. Requirements are fully achieved. The web application works successfully to design a dashboard in a simple and automatic way. Moreover, part of this work has been published in the Excel FIT 2017 conference.

In Brno 7. June 2017

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