



Review report of a final thesis

Reviewer: Ing. Monika Borkovcová, Ph.D.
Student: Mark Awad
Thesis title: Application for student account management in an organization.
Branch / specialization: Web and Software Engineering
Created on: 11 June 2022

Evaluation criteria

1. Fulfillment of the assignment

- ▶ [1] assignment fulfilled
- [2] assignment fulfilled with minor objections
- [3] assignment fulfilled with major objections
- [4] assignment not fulfilled

The stated aims of the thesis were fulfilled, thus the assignment was fulfilled.

2. Main written part

60/100 (D)

The aim of the work is to create an application for managing student accounts in an organization, the main idea being, that each student is given a card through which they can mark their attendance and use the bank in the application to manage their virtual currency. The thesis has a logical structure, and the level of language and terminology is appropriate. Overall, the thesis meets the formal requirements, has the required format, and the sources are well developed. The text of the thesis lacks a sufficient number of sources, the thesis is written more like a project documentation than a thesis. In the text of the thesis, functional and non-functional requirements are described, and several UCDs were created. Chapter System Architecture & Implementation focuses on the description of the architecture, where the author used Django's Model-View-Template (MVT). In the chapter dedicated to testing, the author described test scenarios and performed unit testing. However, the elaborated theory in the thesis is minimal.

3. Non-written part, attachments

90/100 (A)

The practical output is functional and is handled properly and at an appropriate level.

4. Evaluation of results, publication outputs and awards

95 /100 (A)

The application has potential for its use in production.

The overall evaluation

70 /100 (C)

The theoretical background and methodology are not sufficiently elaborated in the presented text, only similar solutions are described. On the other hand, the thesis has a relatively clear and well prepared documentation of the project. Overall, I recommend the thesis for oral defence.

Questions for the defense

On the architecture of your application, introduce and describe the individual programming languages, technologies and tools you used to create it.

Instructions

Fulfillment of the assignment

Assess whether the submitted FT defines the objectives sufficiently and in line with the assignment; whether the objectives are formulated correctly and fulfilled sufficiently. In the comment, specify the points of the assignment that have not been met, assess the severity, impact, and, if appropriate, also the cause of the deficiencies. If the assignment differs substantially from the standards for the FT or if the student has developed the FT beyond the assignment, describe the way it got reflected on the quality of the assignment's fulfilment and the way it affected your final evaluation.

Main written part

Evaluate whether the extent of the FT is adequate to its content and scope: are all the parts of the FT contentful and necessary? Next, consider whether the submitted FT is actually correct – are there factual errors or inaccuracies?

Evaluate the logical structure of the FT, the thematic flow between chapters and whether the text is comprehensible to the reader. Assess whether the formal notations in the FT are used correctly. Assess the typographic and language aspects of the FT, follow the Dean's Directive No. 52/2021, Art. 3.

Evaluate whether the relevant sources are properly used, quoted and cited. Verify that all quotes are properly distinguished from the results achieved in the FT, thus, that the citation ethics has not been violated and that the citations are complete and in accordance with citation practices and standards. Finally, evaluate whether the software and other copyrighted works have been used in accordance with their license terms.

Non-written part, attachments

Depending on the nature of the FT, comment on the non-written part of the thesis. For example: SW work – the overall quality of the program. Is the technology used (from the development to deployment) suitable and adequate? HW – functional sample. Evaluate the technology and tools used. Research and experimental work – repeatability of the experiment.

Evaluation of results, publication outputs and awards

Depending on the nature of the thesis, estimate whether the thesis results could be deployed in practice; alternatively, evaluate whether the results of the FT extend the already published/known results or whether they bring in completely new findings.

The overall evaluation

Summarize which of the aspects of the FT affected your grading process the most. The overall grade does not need to be an arithmetic mean (or other value) calculated from the evaluation in the previous criteria. Generally, a well-fulfilled assignment is assessed by grade A.