



Supervisor's statement of a final thesis

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Thesis title: Workflow: Web Application Implementing Company Processes using State Machines
Branch / specialization: Web and Software Engineering, specialization Web Engineering
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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 thesis assignment was successfully completed in high quality. I consider the assignment to be more demanding because it encompasses the whole process of developing a workflow system in a business environment. The student set the partial goals according to the assignment and gradually fulfilled the work following software engineering methods.

2. Main written part 100/100 (A)

The written part of the thesis is above average in both scope and quality, written in English. Despite the length, all parts are rich in information, contain relevant information and logically follow each other according to the software development process and assignment points. The text is also appropriately divided, using subheadings, lists, additional images or code samples. From the point of view of grammatical and typographical transgressions, I did not find any significant problems in work, practically only an occasional missing comma. All information taken over and technologies used are duly cited. A total of 105 bibliographical sources are used.

3. Non-written part, attachments 100/100 (A)

The application is very well designed in all respects. Directly at work are examples in the appendix: wireframes, task graphs, API definition, and screenshots of the final application. The application is also tested by various tests (unit, integration, end-to-end, and stakeholders – Appendix G). Moreover, the author also used Nielsen's Ten Heuristics for

the user interface. Although it builds on previous prototypes, the resulting application highly exceeds expectations from the diploma thesis.

4. Evaluation of results, publication outputs and awards 100/100 (A)

The resulting workflow system is ready for use and future development. It helps to manage workflows in business environment and as such it is being verified by practice. As shown and explained in the evaluation section, the use of the system has been used in higher scale thanks to the development done in the scope of this thesis. The author also outlines the future development.

5. Activity of the student

- ▶ [1] excellent activity
- [2] very good activity
- [3] average activity
- [4] weaker, but still sufficient activity
- [5] insufficient activity

The student asked for reviews and consultations during the work on the thesis and provided regular updates as we agreed.

6. Self-reliance of the student

- ▶ [1] excellent self-reliance
- [2] very good self-reliance
- [3] average self-reliance
- [4] weaker, but still sufficient self-reliance
- [5] insufficient self-reliance

Consultations were mainly aiming at formal stuff related to the thesis and review of the current state. The student designed and developed the workflow system independently and proposed potential enhancements to work on his own.

The overall evaluation 100/100 (A)

I rate this work as excellent (grade A). Both textual part of the thesis and resulting workflow management system are exceeding expectations as explained in comments above. I would like to recommend this thesis to the chairman of the commission for the proposal for the Dean's Award.

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. 26/2017, 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.

Activity of the student

From your experience with the course of the work on the thesis and its outcome, review the student's activity while working on the thesis, his/her punctuality when meeting the deadlines and whether he/she consulted you as he/she went along and also, whether he/she was well prepared for these consultations.

Self-reliance of the student

From your experience with the course of the work on the thesis and its outcome, assess the student's ability to develop independent creative work.

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.