



Supervisor's statement of a final thesis

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Thesis title: Personalised real estate search application using semantic web technologies
Branch / 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 main objectives of the thesis are well defined, clearly presented and are in line with the assignment. While the initial plan was to implement a "personalised" feature, during the course of the project, this goal, upon an agreement with the supervisor, has been integrated into the search capabilities of the thesis. Overall, the assignment has been fulfilled.

2. Main written part 100/100 (A)

The thesis is very well structured and all parts logically follow. The content is informative and all external sources are well cited. The thesis is easy to read and follow. The student has chosen to write the thesis in English, and successfully achieved this goal.

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

The implementation part is of high quality. All parts, including the front-end, back-end and storage are well designed and developed. The student has considered the most recent technologies for the implementation. The biggest achievement is that the student managed to implement a portal based on Semantic Web concepts and technologies, which is a very unique implementation.

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

The overall project is of high quality and can be used in practice. However, some scalability adjustments for such a deployment have to be done.

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 regularly consulted the work and met all the deadlines. The student was always well prepared for the meetings. It was a pleasure to work with such a person.

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

The student has shown excellent abilities to develop independent creative work.

The overall evaluation 100_{/100} (A)

All parts of the thesis, including the writing and the implementation parts are of a high quality.

Considering all my comments above, I recommend grade A.

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.

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.