FACULTY OF INFORMATION TECHNOLOGY CTU IN PRAGUE

Review report of a final thesis

Reviewer:	Ing. Jan Trávníček, Ph.D.
Student:	Mykhailo Liutov
Thesis title:	Application for finding travel companions
Branch / specialization:	Web and Software Engineering
Created on:	6 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 task was to create a client (mobile)-server application to allow searching for travel companions. The complexity of the task is mediocre, as it is a relatively standard software engineering task. The provided text and attachment fulfil the goals set by the assignment.

2. Main written part 98 / 100 (A)

The text is written in the English language. I've spotted only a handful of language issues and no factual issues.

The text is split into chapters logically and all of those are content-wise rich. The text is easy to read; it is clear about the design, technology, and library choices.

All of the sources are online sources but given the topic, it is both understandable and acceptable.

3. Non-written part, attachments 99 / 100 (A)

The codes of both the client and the server application are well structured. I appreciate that not only (extensive) unit testing but also user testing was performed on the application and some reported issues were already resolved.

4. Evaluation of results, publication outputs and awards 99 /100 (A)

In the brief time I have tested the application, I didn't notice any significant issues. Upon return to the main view, the only a little displeasing thing was the reload process and refresh of the page with new content only a fraction of the second it got displayed already with what I presume was old content (hard to say because no changes of the content happened).

The improvements mentioned in the text will indeed be necessary for the production version of the application.

The overall evaluation 99 /100 (A)

All in all the student showed the ability to design and implement an interesting application based on modern technologies. Both the text and code are the proof of that. One can only hope it is going to be used widely. Overall, I recommend the thesis for defence and recommend evaluating it with 99 points, i.e. grade A (excellent).

Questions for the defense

When is the production version of the application going to be publicly available?

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.