



Review report of a final thesis

Reviewer: Ing. Milan Dojčinovski, Ph.D.
Student: Bc. Tat Dat Duong
Thesis title: Math expression evaluator for literal types in TypeScript
Branch / specialization: Web Engineering
Created on: 5 June 2023

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 student fulfilled the assignment. All points from the assignment have been covered and properly realized.

2. Main written part

88/100 (B)

The thesis is very well written. It is easy to read and follow. Overall, the thesis is well structured and the chapters and sections logically follow. No factual errors nor inaccuracies have been detected. The thesis is well formatted and all necessary parts are properly cited.

The work is well motivated and put into context.

There are few minor aspects that could benefit from an improvement:

- the objectives of the thesis are not explicitly stated in the introduction section.
- there is missing a summary for the analysis part.
- it would be nice to provide a diagram illustrating the structure of the implemented tool
- while some testing has been performed, some more extensive evaluation/testing would be nice to have.

3. Non-written part, attachments

100/100 (A)

The implementation is of high quality. The development is properly executed and documented according to the best practices.

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

The tool is well developed, fully functional and can be used by the community.

The overall evaluation 95 /100 (A)

The student implemented a solid piece of work. The thesis well motivates the work and well documents the implementation. Some parts would benefit from improvement however they are not crucial for the final quality of the thesis.

Questions for the defense

Was there any feedback from the community (other developers) on the developed tool? If yes, please discuss 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.