



Review report of a final thesis

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Thesis title: GraphQL API generating service for Django
Branch / specialization: Computer Security and Information technology
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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 goal of the thesis was to develop a service for generation of GraphQL APIs for the Django framework.

The student fulfilled the assignment. A minor non-fulfilled objective is the publication of the service on the PyPI package repository - which has not been fulfilled.

2. Main written part

80 /100 (B)

The thesis is well structured and the chapters logically follow. Most of the content reads well and it is easy to follow. There are four problems that have been identified:

- 1) The main goals of the thesis are not clearly identified in the introduction chapter - it is difficult to clearly understand the focus of the thesis.
- 2) In some parts of the thesis there are missing citations, e.g. there are no citations at all in the introduction part (chapter 1) (no citation for REST, Simple API, etc.).
- 3) While the testing has been executed, the thesis does not provide much information on the results from the testing (chapter 5).
- 4) The service has not been published on the PyPI repository - some explanation on the reasons for this are provided.

3. Non-written part, attachments

95 /100 (A)

The implementation is of high quality and the thesis considers relevant technologies/tools. There is expected wide usage of the developed service.

4. Evaluation of results, publication outputs and awards 78/100 (C)

The features implemented in the thesis are not yet integrated in the main project. After the features are integrated and the service published on the PyPI repository, other developers can further use the service. This however, requires some further work.

The overall evaluation 80/100 (B)

The thesis addresses relevant problems, it is well written and the technical implementation is of high quality. There are some parts which could be improved, however, the identified problems do not have a significant impact on the final quality of the thesis. Considering the comments above I recommend grade B (80).

Questions for the defense

State and discuss the main challenges/problems during the process of implementation of the service.

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.

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.