**FACULTY
OF INFORMATION
TECHNOLOGY
CTU IN PRAGUE**

Review report of a final thesis

Reviewer:	Ing. Milan Dojčinovski, Ph.D.
Student:	Bc. Jiří Zdvomka
Thesis title:	Video lectures indexing service
Branch / specialization:	Web Engineering
Created on:	February 2, 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 work is in line with the assignment. The assignment is fulfilled.

2. Main written part   95 /100 (A)

The thesis is very well structured and the chapters logically follow. The thesis is easy to read and follow. No factual errors have been spotted. The thesis is informationally rich and the student cites relevant sources. A standard which is very relevant for the thesis, i.e. Media Fragments (https://www.w3.org/TR/media-frags/) is not mentioned and discussed in the thesis. This is however a minor issue.

3. Non-written part, attachments   95 /100 (A)

The system is very well developed and relevant technologies have been considered. The system is fully functional. A minor issue is that the student has not considered, neither discussed, the Media Fragments standard, which is very relevant for the indexing part.

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

The system is of high qualiity and ready for deployment in practice.

The overall evaluation   97 /100 (A)

The thesis is of high quality, both the written and the non-written part, i.e. the developed software. The student has managed to apply the knowledge acquired during the studies

and developed a high quality system. A very minor issue is the ignorance of the Media Fragments standard which could simplify and standardize the indexing part. However, this is a minor issue and has no impact on the final quality of the thesis. I recommend grade A.

Questions for the defense

Q1: Explain how the Media Fragments W3C standard can be integrated in the system. Discuss the benefits of the Media Fragments standard.
Q2: Explain the requirements for indexing videos from other courses. Has the system been tested on video recordings from other courses (recordings with different recording structure)?

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.