

I. IDENTIFICATION DATA

Thesis title:	Web application for document management using OCR for text extraction
Author's name:	Phuong Dong Cu
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Computer Science
Thesis reviewer:	Kyrylo Bulat
Reviewer's department:	Department of Computer Science

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
<i>How demanding was the assigned project?</i>	
Please insert your comments here.	

Fulfilment of assignment	fulfilled
<i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	
The student fulfilled all the points listed in the task. The student did exceptional work by analyzing existing solutions on the market by meeting with targeted company employees and discussing their business and technical approach in detail. All the chapters contain visual representations in the form of functional and non-functional requirements diagrams, use-case diagrams, architecture diagrams, UI wireframes, and prototypes. The work covers the entire application development process, including functional and usability testing.	

Activity and independence when creating final thesis	A - excellent.
<i>Assess whether the student had a positive approach, whether the time limits were met, whether the conception was regularly consulted and whether the student was well prepared for the consultations. Assess the student's ability to work independently.</i>	
The student was very proactive during the whole project and finished all the parts independently while regularly asking for my feedback. Student met all time limits and always was one step ahead of the plan.	

Technical level	A - excellent.
<i>Is the thesis technically sound? How well did the student employ expertise in his/her field of study? Does the student explain clearly what he/she has done?</i>	
The student successfully incorporated a wide range of technologies, demonstrating a deep understanding and practical experience with their implementation.	
I found just a few places where the code could be improved or simplified:	
<ul style="list-style-type: none"> - in GoogleOAuth2Filter # doFilterInternal, there is an if statement with an empty body, - missing documentation for some methods and classes. 	

Formal level and language level, scope of thesis	B - very good.
<i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	
The work is well-structured and most parts are adequately explained. However, certain sections, such as the Frontend and Usability Testing, could benefit from a more in-depth description.	
Few typographic issues:	
<ul style="list-style-type: none"> - missing comma/dot in bullet lists, - duplicated paragraph in section 4.6, - unnecessary list at the beginning of the second chapter. 	

Selection of sources, citation correctness**C - good.**

Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?

The student primarily utilized online sources for their research, which is appropriate considering the topic and content of their work. However, some sections of the work lack proper citations, such as JSON Web Token section and Optical Character Recognition section. To strengthen the credibility of their approach, it would be beneficial to include more citations throughout the work.

Additional commentary and evaluation (optional)

Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.

The student showcased their proficiency in developing a comprehensive client-server system, covering all essential steps of the software development lifecycle. The implemented system has been validated and is readily extendable for future use.

III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE

The student worked responsibly and reliably and demonstrated the ability to work independently. The results of the work are adequate and allow for further expansion.

The grade that I award for the thesis is **B - very good**.

Date: **4.6.2023**

Signature: *Kyrylo Bulat*