

OPPONENT'S EVALUATION OF THE BACHELOR'S THESIS

Student: Ahmed Hamid Taha Al-
Door

Opponent: Ing. Petr Žáček, Ph.D.

Study program: **Software Engineering**
Study course/Specialization:
Academic year: **2022/2023**

Bachelor's Thesis topic: **Blockchain in Social Networks**

Evaluation of the thesis:

The student has chosen a topic, which is relevant to nowadays. An application of blockchain technologies as a social network.

Some parts in the text are well described and could be called "extensively" described. Other parts could be described further, like the security of the solution. From the text, it is not clear if it is encrypted or how the sent data are protected.

The formal page of the thesis is good with only small problems, like some typos. And for example, the title of chapter 10, and citations might be done better or the list of abbreviations is not sorted. English level is satisfying.

Overall the work is so extensive, but some things might be faced better, via the questions below. However, the points of the assignment could be said as fulfilled and the student also fulfilled all requirements of a bachelor thesis. So I recommend the thesis be defended and suggest classification after a successful defense with a grade B – Very Good, otherwise C - Good.

Questions for defense:

1. Can you describe the difference between encryption and hashing?
2. Can you tell what has come first? Blockchain or Cryptocurrencies?
3. Are the data encrypted before sending?
4. Why did you choose MS SQL as a database?
5. In conclusion you are talking about "we", who are "we"?
6. Can you briefly describe the added value of using blockchain for building social networks ?
7. What is difference between Test suite and Test case ?

Overall evaluation of the thesis:

The Opponent shall grant a mark according to the ECTS classification scale:

A – Excellent, B – Very Good, C – Good, D – Satisfactory, E – Sufficient, F – Insufficient

An "F" grade also means "I do not recommend the thesis for defence."

I recommend this thesis to be defended and suggest the following evaluation:

B - Very Good

In the case of an evaluation grade of "F – Insufficient", please supply the main shortages and reasons for this assessment.

Date: 4. 6. 2023

Thesis Opponent's Signature: