THESIS SUPERVISOR'S REPORT

I. IDENTIFICATION DATA

Thesis title:	**An application for healthcare taxonomy translation**
Author's name:	**Lukáš Kaufmann**
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Computer Science
Thesis reviewer:	Ing. Petr Křemen, Ph.D.
Reviewer's department:	Department of Computer Science

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment — **challenging**

How demanding was the assigned project?

On one side the assignment was an ordinary one – to design and implement an information system. What made it more challenging is the domain that was unusual and required the student to deep dive in.

Fulfilment of assignment — **fulfilled with minor objections**

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.

Key functionalities of the translation flow have been designed and implemented. What is missing is closing the final export of the translations into the RF2 format for SNOMED-CT that would allow using the translations in other SNOMED-CT compatible tools.

Activity and independence when creating final thesis — **B - very good.**

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.

It has been a pleasure to collaborate with the student since the semestral project. He was active, pro-active and attending our weekly/bi-weekly meetings on a regular basis. He proposed new ideas and has defending them. The only remark of mine is towards the level of his commitment in the past weeks that might have been higher.

Technical level — **B - very good.**

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?

The text of the work offers a reasonable level of technical detail. Testing section would deserve more time spent (e.g. performance testing, also the interpretation and followup of the User testing results). The back-end side of the project is using relatively modern stack (GraphQL, MongoDB), which is reasonably written. But the build and installation instructions could be improved. The fron-end is simplistic, but functional. The student reacted on the feedback during our collaboration.

Formal level and language level, scope of thesis — **B - very good.**

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?

The work is written in clear and understandable English. Sometimes the descriptions are too technical and would benefit from more detailed explanations (e.g. the meaning of individual fields in section 4.4), sometimes they are a bit vague (e.g. Performance testing methodology and results).

Selection of sources, citation correctness	**A - excellent.**
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?	
Although the references are biased towards development documentation and websites, the student had to go through some of the SNOMED-CT specific papers and blueprints as well. The extent is reasonable.	

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.

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

I appreciate the proactivity of the student towards this challenging topic. His work can become a basis for a tool for creating czech translations of SNOMED-CT subsets.

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

Date: **4.6.2024**   Signature: