

I. IDENTIFICATION DATA

Thesis title:	Smart web components for System-Theoretic Process Analysis.
Author's name:	Artur Useinov
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Computer Science
Thesis reviewer:	doc. Ing. Andrej Lališ, Ph.D
Reviewer's department:	Department of Air Transport, Faculty of Transportation Sciences (FTS)

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
<i>How demanding was the assigned project?</i>	
<i>The goal of this thesis is to develop a control loop structure web component that is specified by one of the newest safety models - STAMP. The student uses different tools and libraries for the front-end and logic, such as React for the front-end part.. Therefore, I consider the assignment to be challenging.</i>	

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>	
<i>The thesis fulfils the requirements that are needed to achieve the final goal of the project</i>	

Activity and independence when creating final thesis	B - very good.
<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>	
Communication with the student was effective with weekly meeting. The student was adequately active and independent especially in the implementation part.	

Technical level	B - very good.
<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>	
<i>the student follows a good methodology; thus, the thesis technically is sound. He clarifies clearly the techniques, requirements and what his did to achieve the thesis goal. But a more detailed description of tools and libraries is missing.</i>	

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 formally processed well and contains many clear UML diagrams. The text is readable, but it could be better and contains many grammatical issues	

Selection of sources, citation correctness	B - very good.
<i>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?</i>	
<i>Selection of sources and citation correctness is overall good</i>	

Additional commentary and evaluation (optional)
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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.

Please insert your comments here.

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

The goal of this bachelor thesis was to design a control structure web component for STPA analysis. The students achieve his goal. Where, he followed a clear structure and methodology. He showed a good ability to learn and understands new things and good programming skills by working with different technologies.

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

Date: **3.6.2021**

Signature:

