

I. IDENTIFICATION DATA

Thesis name:	Mobile application for in situ data collection
Author's name:	Dominik Prokš
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Department of Computer Sciences
Thesis reviewer:	Max Chopart
Reviewer's department:	Faculty of Transportation Science, Department of Air Transport

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
<i>Evaluation of thesis difficulty of assignment.</i>	
The initial challenge of the assignment is quite interesting, with the use of new and/or challenging technologies such as semantic web and Progressive Web Applications.	

Satisfaction of assignment	fulfilled with major objections
<i>Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.</i>	
A prototype of the application is delivered with most but not all critical requirements such as: <ul style="list-style-type: none"> - No use of GeoComponents - No use of MONDIS Also important features such as: <ul style="list-style-type: none"> - UI for mobile app - Support for multimedia files 	

Method of conception	correct
<i>Assess that student has chosen correct approach or solution methods.</i>	
The approach to solve the issue is correct but minimal. A clear table indicating fulfilled or missing requirements from the MOSCOW would have been appreciated. A second round of testing after the first errors solving would also have been interesting to check if whether there were actually solved or not. Some points were not highlighted enough in my opinion, making it hard to understand what is the real problem that the project is solving: <ul style="list-style-type: none"> - Progressive Web App: it is not emphasized why it is necessary in this project. - Semantic web: not clear why it is needed if MONDIS is not used 	

Technical level	D - satisfactory.
<i>Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience.</i>	
The potential from technologies such as PWA, semantic web is not exploited enough. The aim of the project is to have "an offline and mobile version of the existing SForms" but does not provide this as the UI seems not to be adapted for a mobile app.	

Formal and language level, scope of thesis	B - very good.
<i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis.</i>	
No comment.	

Selection of sources, citation correctness	D - satisfactory.
<i>Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection</i>	

of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.

As said in the "Method of conception" section, some extra sources regarding the necessity of new technologies such as PWA or semantic web would have been appreciated to better explain the point of the project.

Additional commentary and evaluation

Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.

Please insert your commentary (voluntary evaluation).

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation. Please present apt questions which student should answer during defense.

The initial challenge of the topic was very interesting, but the explanation of why the technology is relevant was a bit short, and its implementation lacks some key features and polishing to be considered as a final version. However, most of the form features were implemented.

I evaluate handed thesis with classification grade **D - satisfactory**.

Question:

- **As mentioned in the thesis, SForms is not really responsive and does not provide a nice UI for mobile usage. Therefore, why did not you not try to make it yourself, and if not possible, why a mobile app was considered in the first place?**

Date: **17.6.2023**

Signature: