



OPPONENT'S REPORT ON THE MASTER THESIS

“ETIS - Application for Evaluation of Ticketing and Information Systems”

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This is the second report on the ETIS master thesis so the report is focused to comparison of the old and new version of author work. The main theme of this master thesis is public transport centralized information system. The tool for this information system is the ETIS web database which summarizes and compare tariff, transport ticketing, information systems and parameters about public transport from around the world. The author wants to prefer public transport in cities and regions to individual car traffic by making transport systems more clear and improve passenger information.

The first part of the work is focused on description of public transport in Prague – Prague integrated transport. This description is not included in guides for elaboration but it is good source for interpretation how the information about public transport can be integrated and can be useful for passenger. Type of information in this part of the work should appear in the web application. However, the overall length of this part of the work is unnecessarily detailed and long in relation to the topic of work.

According to guides for elaboration, the first goal of this master thesis is the mentioned ETIS web application. The web application was designed and in this version the available application options works. Against the previous version, all parts of the application fulfill their functionality, there are no broken parts or parts in reconstruction.

The second goal is to fill the system with data of at least 20 cities. Author made a database for more cities and he collected additional data. A very new functionality for example is the map with tariff plans of transport services together. There could be more functionalities for better use but it is not the goal of this work. Data in database respect structure and meaning from theoretical part of the work. The idea of the application that anyone can insert new data about transport company is also fulfilled.

Next part of the work is new and describe the sense of comparative data in database. Use can compare operation of tariff systems, short and long-time tickets and another public transport data. Data can be also compared based on specific condition in different states, thereby the information value is increasing.

The final goal is to improve the comparison system. The author suggests logical and correct improvements and innovations, but the suggestions are more based on authors experience of operation rather than a comparison of transport systems. But in fact, in this version of work, there are more described information, more compared systems, that can be by now found in the web application (database) and can be found and be useful for common passenger so the sense of this part can be also fulfilled.

This version of work is significantly different. There can be found the lack of time on the previous master thesis version. In the new version author spent a lot of time in the website section and the result is the working application which can be used not only for master thesis but also in the commercial sphere, if author will continue in his work.

In the overall view of the work, the author accomplished a large extent of all the parts of the assignment. Some parts could be shortened in benefit of the main idea of work.

I recommend the master thesis for the defense and I suggest **B (very good) grade**.

Question:

1. Is this user interface of the web application well designed for common passenger? Is it not a better solution to create a part of the web application for users (passengers) and part for people who will add data to the database? - better orientation in the application
2. In future, is it possible to use Tariff maps in application for another features, not only for visual effect?

In Prague 11.6.2018

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