



# Review report of a final thesis

**Reviewer:** Ing. Michal Šoch, Ph.D.  
**Student:** Beksultan Baatyrbekov  
**Thesis title:** Extension of the JFreeChart library with Market Profile charts  
**Branch / specialization:** Web and Software Engineering  
**Created on:** 15 May 2022

## Evaluation criteria

### 1. Fulfillment of the assignment

- [1] assignment fulfilled
- [2] assignment fulfilled with minor objections
- ▶ [3] **assignment fulfilled with major objections**
- [4] assignment not fulfilled

Practical oriented thesis. The written part is quite brief, the created SW works but it's mostly proof of concept and not fully functional application.

### 2. Main written part 50 /100 (E)

The structure of written part is nice but overall, it's too brief – it lacks details in analysis, implementation. It's needed to go deeper in details – what're the requirements, how they are covered in analysis, to describe in more details how input data are handled, how Market Profile is calculated in application, how data are shown, which Java libraries are used and how. The testing part is described nicely.

### 3. Non-written part, attachments 60 /100 (D)

Presented demo works but it looks like proof of concept and not standalone application with full functionality.

### 4. Evaluation of results, publication outputs and awards 55 /100 (E)

Presented demo works.

## The overall evaluation 57 /100 (E)

The thesis goals are fulfilled I recommend it for defense and due to my comments I assess it by grade E.

## Questions for the defense

I saw your application works with offline data. Does your application work with real time data as well? Please explain.

## **Instructions**

### **Fulfillment of the assignment**

Assess whether the submitted FT defines the objectives sufficiently and in line with the assignment; whether the objectives are formulated correctly and fulfilled sufficiently. In the comment, specify the points of the assignment that have not been met, assess the severity, impact, and, if appropriate, also the cause of the deficiencies. If the assignment differs substantially from the standards for the FT or if the student has developed the FT beyond the assignment, describe the way it got reflected on the quality of the assignment's fulfilment and the way it affected your final evaluation.

### **Main written part**

Evaluate whether the extent of the FT is adequate to its content and scope: are all the parts of the FT contentful and necessary? Next, consider whether the submitted FT is actually correct – are there factual errors or inaccuracies?

Evaluate the logical structure of the FT, the thematic flow between chapters and whether the text is comprehensible to the reader. Assess whether the formal notations in the FT are used correctly. Assess the typographic and language aspects of the FT, follow the Dean's Directive No. 52/2021, Art. 3.

Evaluate whether the relevant sources are properly used, quoted and cited. Verify that all quotes are properly distinguished from the results achieved in the FT, thus, that the citation ethics has not been violated and that the citations are complete and in accordance with citation practices and standards. Finally, evaluate whether the software and other copyrighted works have been used in accordance with their license terms.

### **Non-written part, attachments**

Depending on the nature of the FT, comment on the non-written part of the thesis. For example: SW work – the overall quality of the program. Is the technology used (from the development to deployment) suitable and adequate? HW – functional sample. Evaluate the technology and tools used. Research and experimental work – repeatability of the experiment.

### **Evaluation of results, publication outputs and awards**

Depending on the nature of the thesis, estimate whether the thesis results could be deployed in practice; alternatively, evaluate whether the results of the FT extend the already published/known results or whether they bring in completely new findings.

### **The overall evaluation**

Summarize which of the aspects of the FT affected your grading process the most. The overall grade does not need to be an arithmetic mean (or other value) calculated from the evaluation in the previous criteria. Generally, a well-fulfilled assignment is assessed by grade A.