

Review of Bachelor's Thesis

Student: Fujaček Martin
Title: JSON Schema Maker (id 22247)
Reviewer: Peringer Petr, Dr. Ing., DITS FIT BUT

- 1. Assignment complexity** **average assignment**
- 2. Completeness of assignment requirements** **assignment fulfilled**
- 3. Length of technical report** **in usual extent**
The text has usual size: 40 printed pages + 5 pages Appendix.
- 4. Presentation level of technical report** **88 p. (B)**
The text is well written and it has good structure. There are only minor problems, for example the non-standard state diagram on Figure 3.3 (page 30) uses edges without arrows. The meaning of this unusual notation is explained in figure caption, so it is not big problem. Overall the text quality is well above average.
- 5. Formal aspects of technical report** **85 p. (B)**
Typographical quality of the text is very good. There are only minor problems (e.g bold emphasized text, single line paragraphs, etc.). The language quality is very good, too.
- 6. Literature usage** **90 p. (A)**
Bibliography has 20 items (including 5 printed books).
- 7. Implementation results** **85 p. (B)**
The source code has over 900 lines in JavaScript (written completely by the author) and over 2900 lines in C#. The C# source code does not contain comments with name of the author, therefore I can only guess which part is written by author and which (small) part is automatically generated or reused. The 11 test reports in examples directory demonstrate the results for small JSON files only. The amount of code and its quality is very good.
- 8. Utilizability of results**
I expect the practical use of the software by testing group at our faculty.
- 9. Questions for defence**
 - Have you tested the performance using very big JSON files?
- 10. Total assessment** **88 p. very good (B)**
The goal of this work was to create Web application suitable for creation and edit of JSON schema files. The application fulfils all requirements, is well written and tested. The work is very well documented, too. I recommend the grade "B+".

In Brno 24 June 2020

Peringer Petr, Dr. Ing.
reviewer