Sailor GSoC Report

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Contents

1 Introduction

Lua is greatly used in embedded systems but it's also excellent as a general purpose language. Its use in web development, for example, could be more widespread. Sailor is a web MVC framework completely written in Lua that allows to write robust web systems using Lua programming language. It's in early development stage with three releases under MIT License. It currently runs on the top of various web servers, such as Apache2, NginX, Mongoose, Lwan and Xavante. It's compatible with different operational systems, such as Linux, Mac and Windows although Linux and Mac are more well-supported.

During this program I will be working mainly on the following activies:

1. Implementing a test suite

2. Improving the usability of Lua at the client side

The results would significantly increase the overall quality and usability of Sailor. Plus, I really believe its participation in GSoC would be very beneficial for both Sailor as a project and for the Lua community as it introduces some fresh blood into our current situation of the use of Lua in web development and could allow it to get more traction.

1.1 Schedule

May 25th - June 5th
Researching how other frameworks use their test suites

June 6th - June 15th
Researching and testing existent test Lua modules

June 16th - July 1st
Either integrating an existing test module with Sailor or developing a new one

July 2nd - July 16th
Testing, bug fixing and documenting

July 17th - July 23rd
Researching and testing Lua to JavaScript VMs. E.g. MoonshineJS

July 24th - August 6th
Improving current way to manipulate DOM from Lua and load Lua modules to be used on client side.

August 7th - August 16th
Testing, bug fixing and documenting

August 17th - August 21st
Polishing and making sure nothing was missed

2 Section

2.1 Subsection

Structuring a document is easy![1]

2.1.1 Subsubsection

More text.[2]

Paragraph Some more text.

Subparagraph Even more text.

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[1]John Doe. *The Book without Title*. Dummy Publisher, 2100, p. 97.
[2]Claudio Vellage. "A quick start to LATEX". In: (2013).

3 Another section

4 References

4.1 Books

Doe, John. *The Book without Title*. Dummy Publisher, 2100.

4.2 Articles

Vellage, Claudio. "A quick start to LaTeX". In: (2013).

5 Appendix

List of Figures

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