

0.0.1 Simple San Simon Functional Web Browser (3S Functional Web Browser)

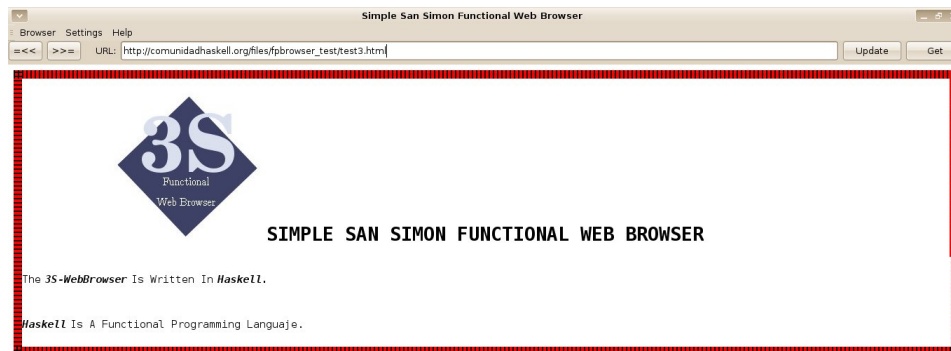
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Status:

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experimental

Happy of me that I had the opportunity to work on a functional programming project in my final project to get my Bachelor Degree in CS. Well, I have been experimenting building a Web Browser with Haskell.

It is called *Simple San Simon Functional Web Browser* or just *3S Functional Web Browser* (I honored the name of the University and the programming paradigm). As I mentioned before, I wanted to experiment some of the characteristics, libraries and tools of Haskell in the development of a Web Browser.

Some of those libraries and tools I have used were: *libcurl* for obtaining the web resources, *wu-parsinglib* for analysing HTML and CSS inputs, *wuagc* for doing the transformations and computations and *wxHaskell* for rendering web pages and GUI.



As far I could reach developing, I give support to:

- Working with HTTP and File protocols.
- A subset of the XHTML/XML grammar.
- A subset of the CSS grammar.
- 48 CSS properties, which let it:
 - Modify the dimesion, position, type and style of an element.
 - Modify the style of a text.
 - Render list.
 - Do content generation.

I have to mention also that it has a lot of performance problems and lack of functionalities; Anyway, I have enjoyed a lot experimenting with it. I hope to have time to continue working on this.

Sources are on <https://github.com/carliros/Simple-San-Simon-Functional-Web-Browser>.