The Static Site Generator

My goals for daino. What is different from other Static Site Generators? The design goals and rationale and functionality testing.

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The use case is my own homepage[1] with requirements typical for an academic researcher. and should be built from available packages in Haskell[3].

- Use an (inexpensive) host server[4].
- Allow me to use a page layout following Tufte css.
- Force a strict separation of *content* and *presentation*[5].
- Look for simple handling and long term stability.

Installation and test for functionality

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I have tried a number of web site generator programs and found that a test installation and checking the methods for customization is the fastest way to identify what suits my requirements.

Such a test consists of two steps: (1) install and check funtionality of installation with a test[6] and (2) build your site.

Installation and basic test for functionality

A basic test for functionality is:

- Clone or copy the code from github[7].

[1] I will use the term **site** (or *web site*) for a set of connected **web pages** (or just *pages*) which can be accessed through a web browser using the `world wide web` technology[2].

[3] especially `pandoc` and `shake`, which reduces the effort to maintain the code using using my "uniform" approach to wrap packages in integratable interfaces.

[4] There are some servers free of charge, e.g. github or google, but I prefer indepence and looked for a basic web server, which cost me Euro 3 per month.

[5] here called `dough` and `theme`, which is baked into the web site.

[6] The `hello world` test for a site generator.

[7] `git clone https://github.com/andrewufrank/SSG`

- Change into the `ssg` directory and install with `cabal install` (or perhaps better with stack `stack install`) which produces `ssgbake`, the program which converts (*bakes*) the content into a static site.
- Run `ssgbake -tsw` which produces a test site in your home directory `~/bakedhomepage` which is served on port 3000.
- Open in your browser `localhost:3000` and you should be greeted by the landing page of the test homepage.
- Edit, for example, the file `ssg/docs/site/dough/Blog/01blog1.md` and observe how the web page is adapting (after refreshing the browser cache!).

If you are satisfied that the installation works, you can proceed to build your own site!

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