30. PackagesUsed.md

The Packages from Hackage used. Primarily pandoc, pandoc-citeproc, doctemplates, but also twich, shake, scotty and aeson, lens, and aeson-lens.

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Contents

Pandoc

The central component of any modern site generator seems to be Pandoc. At the moment only markdown is used for content and output is html, additionally, `pdf` files for print output.

Pandoc-citeproc allows the inclusion of references and reformat references based on a BibTex file, which includes the details.

Templates

Pandoc includes a template system, [doctemplates] (http://hackage.haskell.org/package/doctemplates). Injects text values from a JSON record (based on labels); it allows conditionals (*'if (label) .. endif*) and loops.

Watching file change : Twitch

Twitch uses FSnotify to connect programmed actions to activities with files. It can be used to notify the process which bakes files about changes in file content.

Caching

Shake is a Haskell version of `make` and can be used to convert a static site (idee in Slick

JSON

The aeson Haskell implementation of JSON is used, together with
aeson-lens for getting and setting values in JSON records.