Daino organizes a site as a tree

The web pages are structured as a tree and collected in a directory tree.

1 Principle: The structure of the site and the structure of it is stored representation should correspond

A web site is presented as pages of hyper-text with links between the pages(Berners-Lee, Hendler, and Lassila, 2001). This logical structure is represented as files and the whole site is collected under a root directory.

The mapping between rendered web pages and the files representing them is crucial in the design:

Each web page is stored as a markdown file.[1]

Each web page in a site is written as a markdown file, which the generator transforms to a HTML file which can be rendered. The structure of the source (`dough`) of the web page is parallel to the directory structure of the `baked` homepage, which can be served by a web server and rendered by a browser.

A markdown page can call for **additional material** and link to other renderable pages not produced from a markdown page.

1.1 Tree structure

The web site starts with a single page[2] from which all other pages can reached in a tree structure.

The web pages are stored as files in directories. The directory tree starts with the root (here `dainoSite/dough`) which contains all the source text for the web pages[3].

Directories store only files and additional information for the presentation of the directory as web page is necessary. For each directory an `index.md` file is added which comments on the directories content and the list of directories is rendered.

[1] Additional material can be stored in files in a `resources` directory.

[2] Often called `landing page`.

[3] It contains an additional file `settingsNN.yaml`, currently `settings3.yaml` for the site.

Additional content can be stored in `resources` directories[4]

1.2 Correspondence between presentation and storage

The source for web pages, and the web pages in `HTML` formate are stored in a parallel directory structure and correspond to the structure of the web site visible to the user.

References

Berners-Lee, Tim, James Hendler, and Ora Lassila (2001). "The Semantic Web". In: *Scientific American* 284.5, pp. 28–37.

Produced with 'daino' (version Version versionBranch = [0,1,5,3], versionTags = []) from /home/frank/Workspace11/dainoSite/ReadMe/03tree.md

[4] Which must be called `resources`, allother directories are assumed to be conent directories!