

PyWiki

Modules

- Webserver/router module
- Login functionality using forms
- Template renderer module

Will take values from the table containing the page contents to insert those values into the html template.

- Page renderer submodule
 - User page renderer submodule
 - Page history submodule
 - Category page submodule

- Database module

Will create a database for each listed relevant set of data. The history page table should have a method of updating and adding according to user interactions.

- User table submodule
 - Page table submodule
 - Page History table submodule
 - Category table submodule
- Utilities module (miscellaneous functions)
Search bar? Would that be located somewhere else?
- Templates folder
 - Homepage
 - Wiki page
 - User page
 - Page history page
 - Category page

Component maps

- TBD
- https://lucid.app/lucidchart/invitations/accept/inv_1380987c-5bde-4cef-9615-1f6fa8dc7e9e

Data structures

- Page entry
 - id (integer)
 - title (text)
 - content (text)

- history (text – we'll store the list of page history IDs separated by commas)
- contributors (integer) (Will use integer value to access username)
- created_at (integer)
- updated_at (integer)
- User entry
 - id (integer)
 - username (text)
 - email (text)
 - password_hash (text)
 - contributions (integer)
 - created_at (integer)
 - updated_at (integer)
- Page history entry
 - id (integer)
 - old_page (text)
 - new_page (text)
 - contributors (text, stored as list of user IDs separated by commas)
 - created_at (integer)
 - updated_at (integer)
- Category entry
 - id (integer)
 - title (text)
 - description (text)
 - page_list (text, stored as list of page IDs separated by commas)
 - created_at (integer)
 - updated_at (integer)

Database structure

- Pages table (pages)
- User table (users)
- Page history table (page_histories)
- Category table (categories)

Sitemap

- (/wiki/, /) Homepage
- (/wiki/:PAGE) Page router – will render wiki page based on PAGE's value
- (/wiki/:USER) User router – will render page based on USER's value
- (/wiki/:PAGE/history) Page history – will render page based on PAGE's value

- (/wiki/:PAGE/history/:HISTORY) Page history router – will render page based on PAGE and HISTORY's values
- (/wiki/:CATEGORY) User router – will render page based on CATEGORY's value

Assignments

- William
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- Jeffrey
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- Julia
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