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Soft Dev

P00: Half Quick

2022-10-28

1. Program Components

a. Flask

i. templates directory

1. html template of a wiki page
2. Navigation page template with list of links to all available wiki pages

ii. Python File

1. app.py - sqlite3 & csv

- a. `@app.route("/")` : navigation page
- b. `@app.route("/temp")` : serves html template + page contents

b. SQLite3

i. pages.csv file with all topics that are available on the

ii. pages.db file that holds the database

iii. db_builder.py

1. csv & sqlite3 modules
2. creates the database the once app.py is run

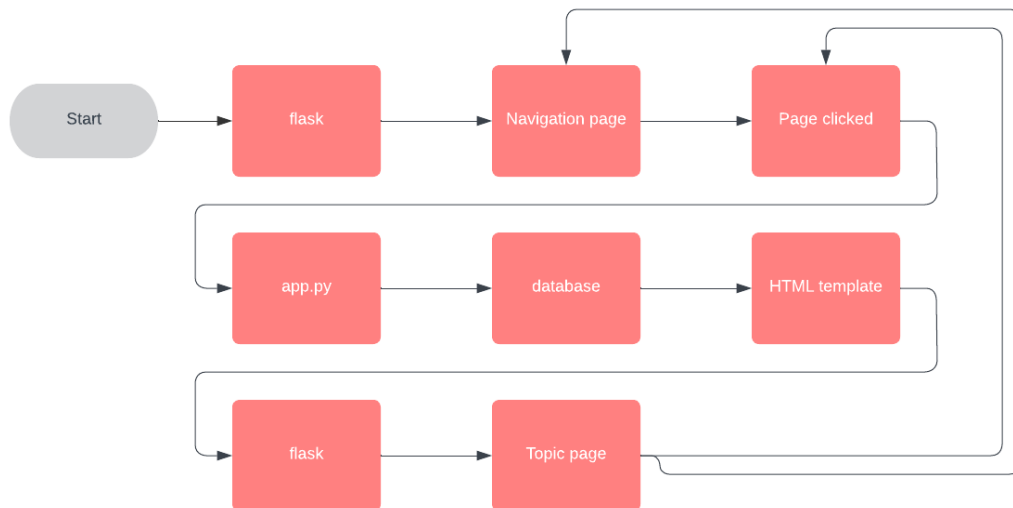
2. Component Interactions/Component Map

- a. db_builder.py processes csv file into the sql database when app.py is initially run.

- b. default `@app.route("/")` renders the `navigation_template.html` file for the navigation page of the wiki. The function tied to `@app.route("/")` will pull the names of the topic from the `pages.db` file and create individualized links for each topic by appending to `127.0.0.1:5000/temp` with a query. A list of these links will be displayed when flask serves the navigation page

Ex: `127.0.0.1:5000/temp?topic=computer science`

- c. `app.py` uses GET method to have a query for each topic
- d. `@app.route("/temp/<topic>")` renders the `topic_template.html` file with information that is taken from the database depending on the query of the URL
- e. Flask serves the html pages that are rendered in functions tied with `@app.route("/")` or `@app.route("/temp")`



3. Database Organization

a. csv format

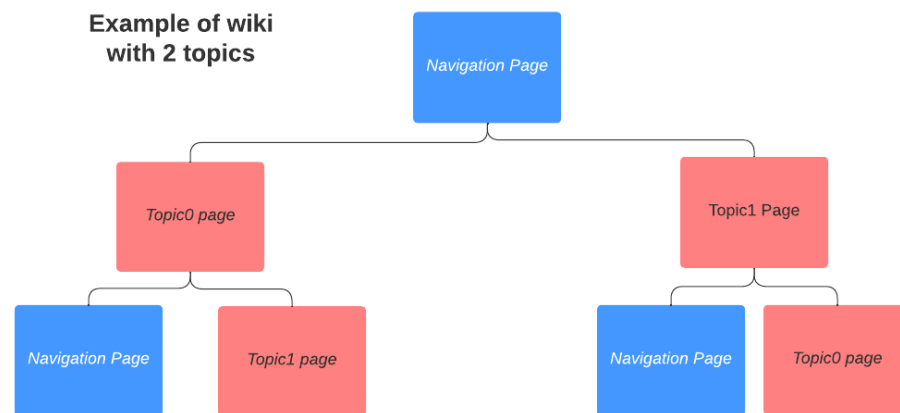
- i. <topic>, <contents>, <additional info0>, <additional info1>, ...

b. table

- i. A table with the topic of the page, column for the contents, along with columns for any additional information

Topic0	Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quae odio facilis nulla aspernatur! . . .	Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quae odio facilis nulla aspernatur! . . .	Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quae odio facilis nulla aspernatur!
Topic1	Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quae odio facilis nulla aspernatur! . . .	Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quae odio facilis nulla aspernatur! . . .	Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quae odio facilis nulla aspernatur!

4. Site Map for Front End



5. Task Breakdown

- topic_template html file (Daniel Yentin)
- navigation_template html file (Daniel Yentin)
- app.py (Daniel Yentin)
- db_builder.py (Ivan Yeung)
- pages.db (Ivan Yeung)
- pages.csv file (Ivan Yeung)