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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

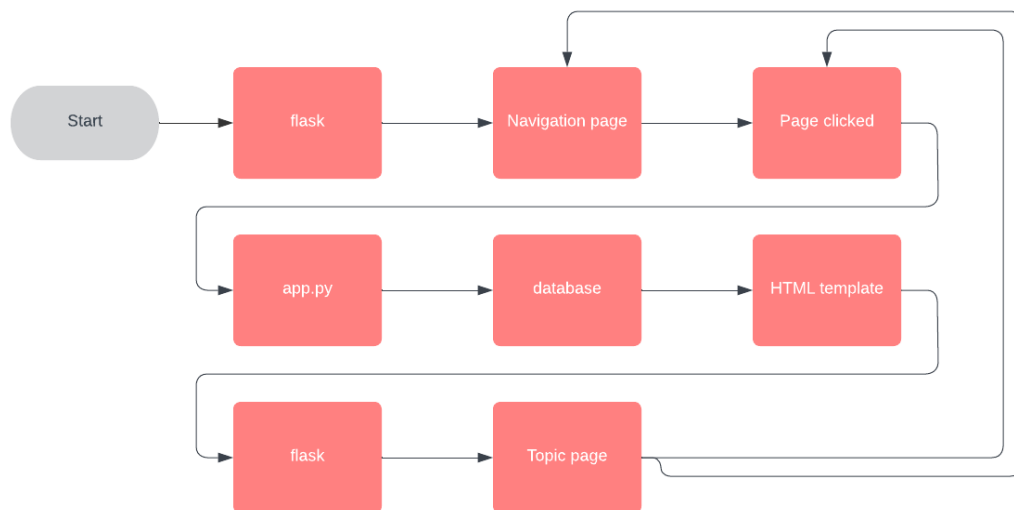
1. csv & sqlite3 modules
2. creates the database the once app.py is run

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")` 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

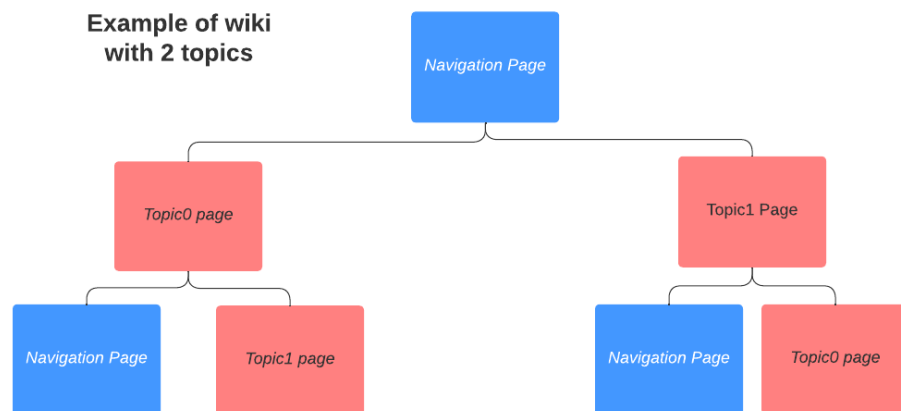
i. <topic>, <contents>

b. table

i. A table with the topic of the page and another column for the contents

Topic0	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! . . .

4. Site Map for Front End



5. Task Breakdown

- a. topic_template.html file (Daniel Yentin)
- b. navigation_template.html file (Daniel Yentin)
- c. app.py (Daniel Yentin)
- d. db_builder.py (Ivan Yeung)
- e. pages.db (Ivan Yeung)
- f. pages.csv file (Ivan Yeung)