WeLoveTrees (Kevin Liu, Mahir Riki, Ravindra Mangar)
SoftDev
P00 - Move Slowly and Fix Things
2022-11-01
Time spent: too many hrs
Target ship date: {2022-11-11}

Program Components

- A story application that allows for a maximum of 50 different edits for any single story.
- HTML Files
    - `login.html`
        - DEFAULT HTML FILE
        - Drawing display data from `app.py`
        - [BUTTON] Redirect user to `home.html`
            - Verifying user data with `app.py`
        - [BUTTON] Redirect user to `register.html`
    - `register.html`
        - Drawing display data from app.py
        - [BUTTON] Redirect user to `login.html`
            - Verifying user data with `app.py`
    - `home.html`
        - HOMEPAGE HTML FILE
        - Drawing display data from `app.py`
        - [BUTTON] Redirect user to `projects.html`
            - Exchanging user data with `app.py`
        - [BUTTON] Redirect user to `results.html`
        - [BUTTON] Redirect user to `popular.html`
        - [BUTTON] Randomly redirects user to `display.html`
    - `display.html`
        - Drawing article data from `app.py`
- PYTHON Files
    - `app.py`
        - MASTER PYTHON FILE
        - Drawing data from SQLite via `db_articles.py`
        - Drawing data from SQLite via `db_users.py`
        - Sending data to SQLite via FLASK, `db_articles.py`
        - Sending data to SQLite via FLASK, `db_users.py`
        - Utilizing tools from `functions.py`
    - `db_articles.py`

        - Drawing data from `articles.db`
        - Sending data to `app.py`
        - Utilizing tools from `functions.py`
    - `db_users.py`
        - Drawing data from `app.py`
        - Drawing data from `users.db`
        - Sending boolean to `app.py`
        - Utilizing tools from `functions.py`
    - `functions.py`
        - MASTER FUNCTIONS FILE
        - BYPASSES `app.py`
- SQLite database with the full stories, the previous addition, and the ID of users
- SQLite database with ID and user information
- A route to read any full story
- A route to write a new addition to a story (This is chosen at random)

Database Organization

- There will be two databases.
    - The first database will have four columns: one with story IDs, one with full stories, one with the most recent addition, and one with the user IDs of the person who edited last.
    - The second database will have the user information with three columns: one with user IDs, one with usernames, and one with passwords.
- Whenever we call to add to any article, it will pull data from the most recent addition of a random story from the first data along with the previous author and display it to the user.
- Whenever the user submits their new addition, the user's ID replaces the previous ID on the database, the new addition replaces the last, and the full story will be replaced by the new add-on.
- GitHub branches will be used to prevent merge conflicts, one for backend one for frontend.

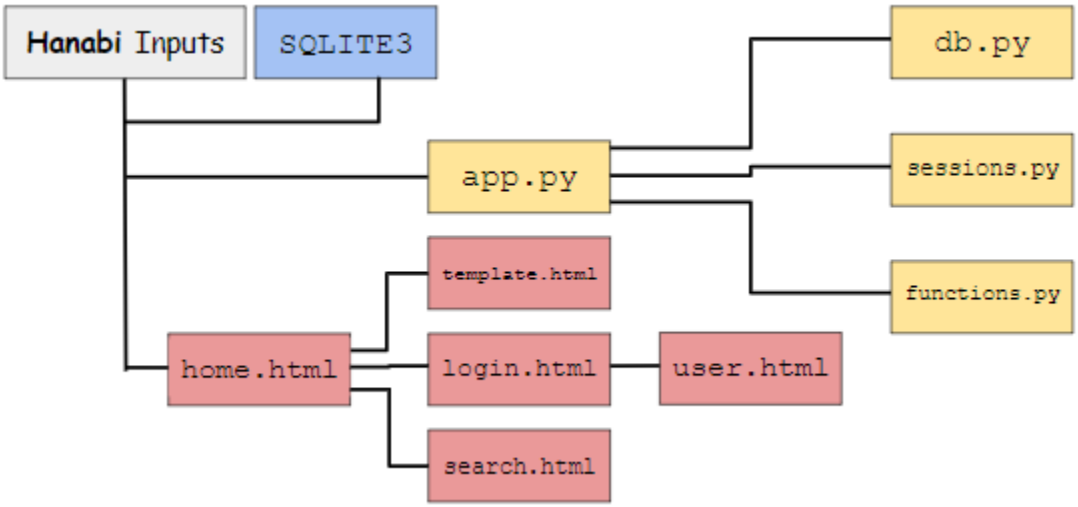
Roles

Mahir - will be working on the completion of `sessions.py`, `db.py`, and `functions.py`
Avinda - sentenced to eternal frontend calamity (managing the looks of the webpage and working on the login page)
Kevin - will be working on the connection between sqlite3 and python, as well as managing the database

Component Map

```
.
└── app
    ├── README.md
    ├── __init__.py
    ├── app.py
    ├── articles.db
    ├── db_articles.py
    ├── db_users.py
    ├── design.pdf
    ├── design_wiki.pdf
    ├── devlog.txt
    ├── flag.jpg
    ├── functions.py
    ├── requirements.txt
    ├── static
    │   ├── css
    │   └── images
    ├── templates
    │   ├── display.html
    │   ├── home.html
    │   ├── login.html
    │   ├── popular.html
    │   ├── projects.html
    │   ├── register.html
    │   └── results.html
    └── users.db
```

Site Map



Tasks to be Completed

- All the HTML templates and functions(such as buttons): Ravindra
- Flask that connects with HTML that allows for editing and showing: Mahir
- Turning SQLite data into usable python data and vice-versa: Kevin
- If anyone finishes ahead of time, they will help the others.