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RACAMOJO

p01-RoH: Meme Generation Website

2024-11-27

Time Spent: 2 hours

TARGET SHIP DATE: 2024-12-18

Components:

Templates Folder

- register.html
 - Allows users to register an unused username and password to be added to the database.
- login.html
 - Allows the user to input a username and password
 - 2 users cannot have the same username or else an error message will appear.
- logout.html
 - Rendered once the user is successfully logged out.
 - Allows users to return to the homepage.
- create_meme.html
 - Users can generate a random image, and use that image to caption a meme and create its description.
- Homepage.html
 - Visible to all users.
 - Showcases all user-generated memes chronologically.
 - Upvote/downvote meme feature.
- error.html
 - Rendered when an error occurs (e.g. user tries to create an account with the same username as another user).

UTL Folder

- API's used:
 - Random Image API
 - Meme Generator API
 - Font API
 - Text To Speech API
- Build_db.py
 - Use sqlite3 to create a database of user information (username and password)
- __init__.py
 - Initializes the app

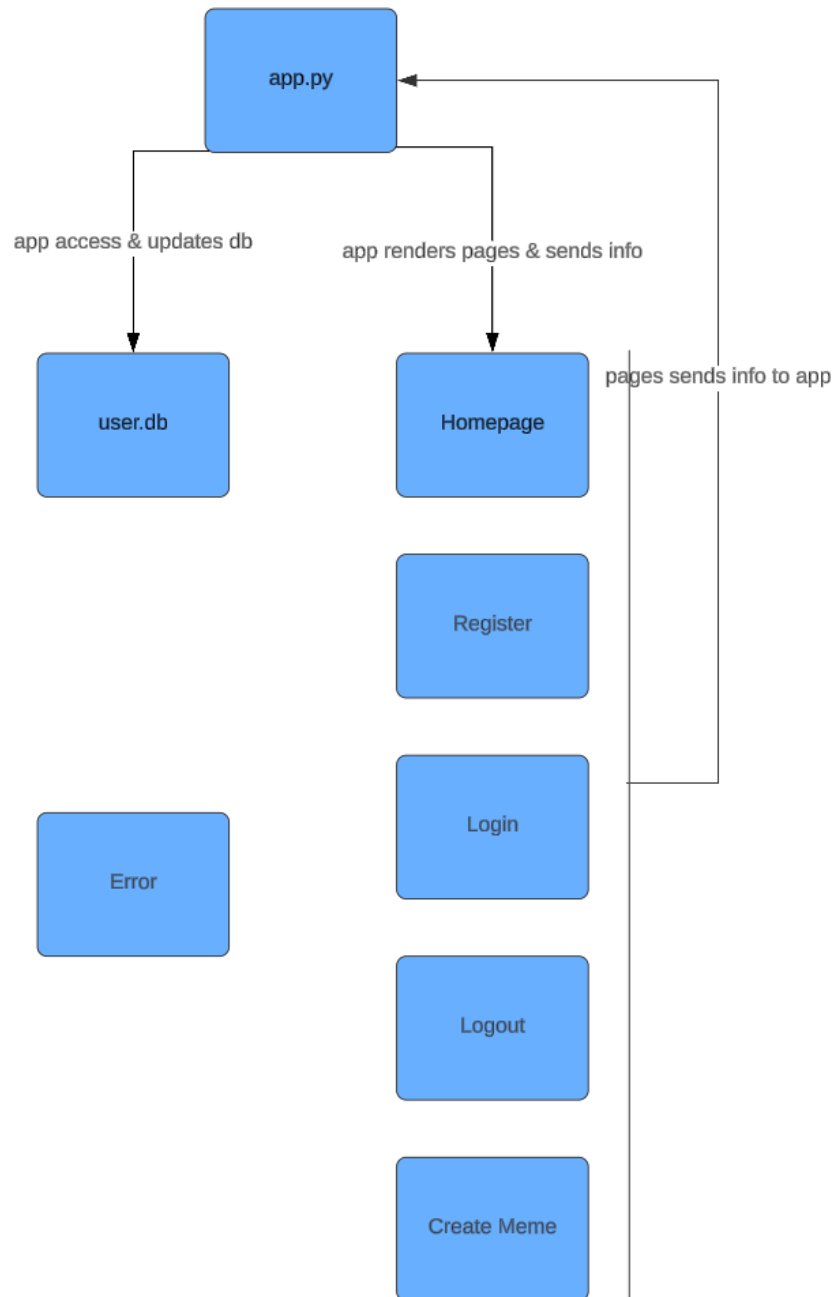
Application Logic

- app.py
 - Flask Server, designating routes and connections between pages + their functionalities

Documentation and Assets

- design.pdf
 - This document.
- flag.jpg
 - Our team's flag. Proudly portending greatness.
- README.md
 - Roles, description of website, how to, etc. Please read it.
- devlog.txt
 - Updated by each group member after they push to github and make changes. Maintained by PM. The most recent entry goes on the bottom detailing changes and bugs.

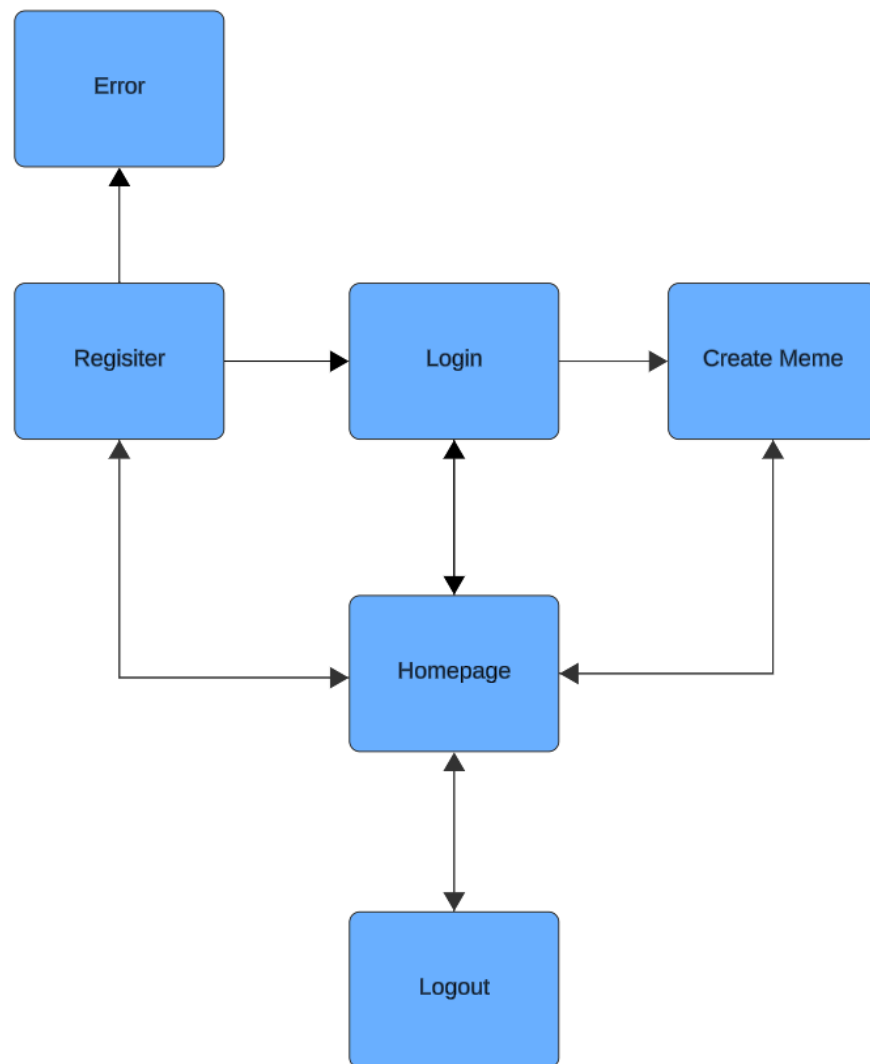
Connection Between Components



Database Organization

- user.db
- Tables:
 - user_information
 - Formatted data of usernames and passwords, each corresponding to an index by line
 - New items appended to the end
 - Cannot be deleted
 - user
 - Index in table name corresponding to index in the user table
 - Formatted data of the user's meme (title), each corresponding to an index by line
 - New memes appended to the end
 - Cannot be deleted
 - user_meme
 - Indexes in table name corresponding to index in the users' table and the subsequent index of the meme in user_ table
 - Formatted data of the user's meme entries (title and text), each corresponding to an index by line
 - New entries are appended to the end
 - Cannot be deleted

Sitemap



Assignments:

<u>Task</u>	<u>Assigned To</u>
Working on the frontend, helping with the database and Flask	Moyo (PM)
Database	Jonathan
Flask	Caden
Helping with Flask, database, and CSS	Raymond
Design Document	All members