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RateS Per Minute

p0-RoH: Design document outlining how to build a story website

2024-10-28

Time Spent: 1 hour

TARGET SHIP DATE: 2024-11-06

## Components:

### Templates Folder

- login.html
  - Has a form that allows the user to login with a username and password
  - Redirects user to home
- register.html
  - User registration page, allows user to input a username and password to add to the database given the username is not already in the database
  - Redirects user to home
- logout.html
  - Page rendered upon successful log out
  - Allows user to return home
- homepage.html
  - Logged in users
    - Display the stories they've contributed to
    - Allow the user to see a list of all current running stories as well as create new ones
    - Have a logout button
  - Non-logged in users
    - Show a home page explaining the website
    - Allows the user to register or log in
- stories.html
  - Be able to display a story from the database
  - Contains a form that allows users to add their newest element to the story, if they have not already edited the specific story. Users can also see the latest addition to the community story.
- edit_story.html
  - Page rendered when user has submitted a change to a story
  - Allows user to see story or return home
- new_story.html
  - Page the allows users to enter a new story name and text

- - - ■ Allows user to return home

**Application Logic**
- app.py
  - Serves the website
  - Designates which routes lead to which templates and allows the user to maintain and log out of a flask session
  - Contain the functions and code to properly retrieve information from the database as well as edit it
  - Includes tasks such as handling new user information, new stories, etc
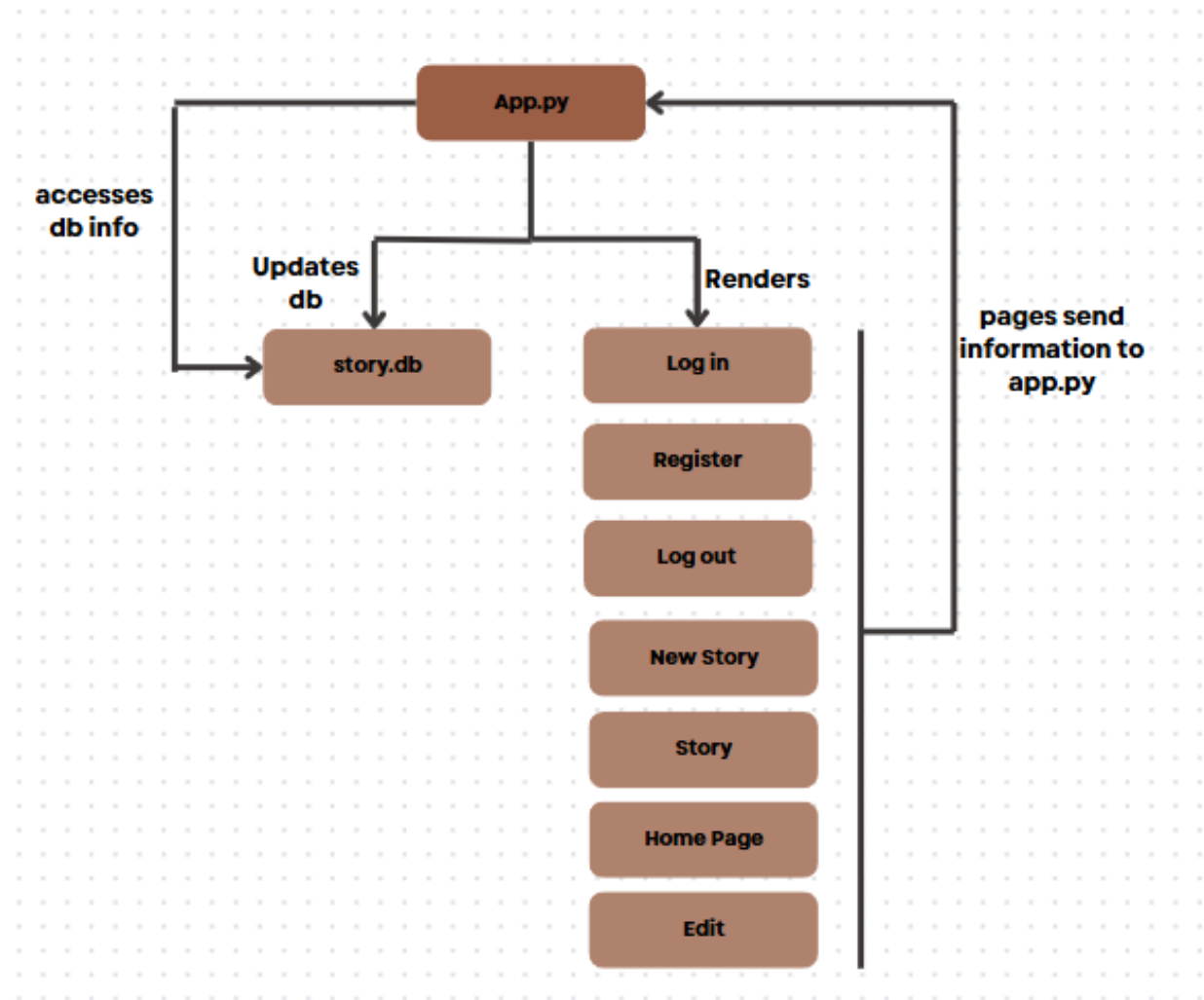
**Static FIles**
  - styling.css
    - Contains styling for all the pages

**Documentation and Assets**
- devlog.txt
  - Updated by each group member after they push to github and make changes. Maintained by PM. Most recent entry goes on the bottom detailing changes and bugs.
- readme.md
  - Roles, description of website, launch codes (how to…)
- design.pdf
  - This document.
- flag.jpg
  - Our team's flag. Hopefully portending greatness.
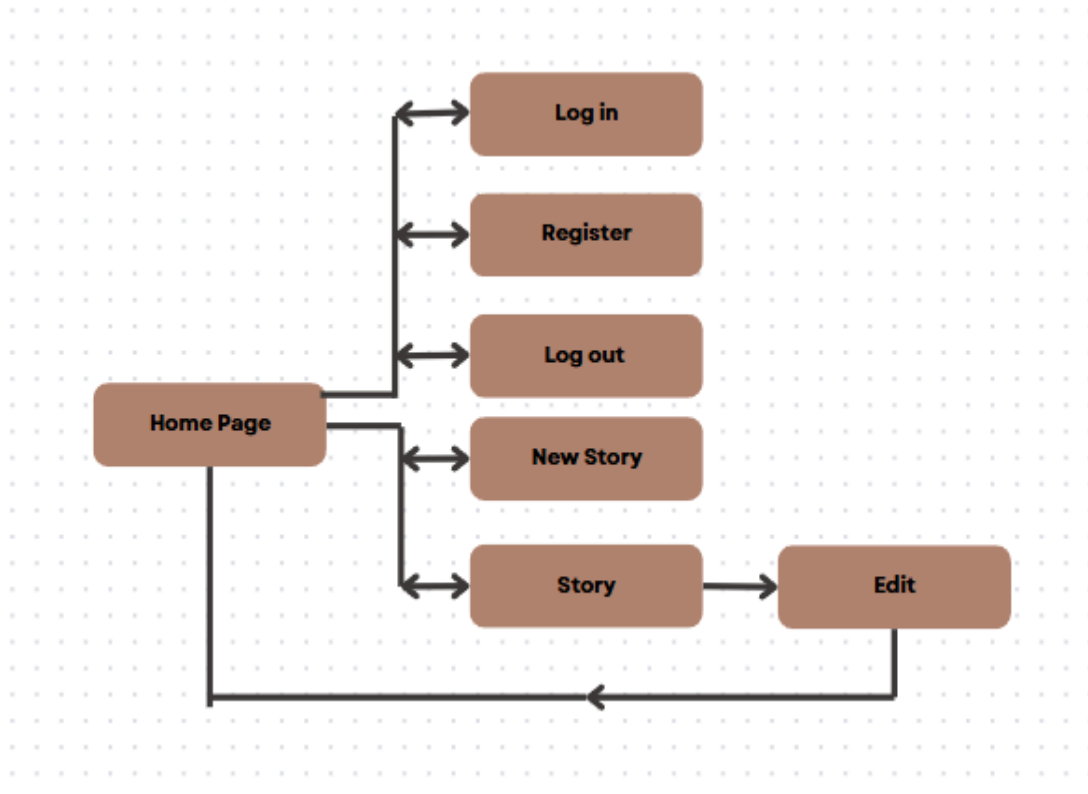
**Connection Between Components**



**Database Organization**
- story.db
- Tables:
  - Users
    - user_id (unique id for each username, type INT)
    - username (unique username used for log in type TEXT)
    - password (password for each username and user id type TEXT)
  - Stories
    - story_id (unique id for each story type INT)
    - title (title of the story type TEXT)
    - content (actual text of the story type TEXT)
    - user_id ( user ID present in Users type INT)
    - Created_at (time the story was created type DATE)

- ○ Contributions
  - ■ contribution_id (unique id for every contribution made to a story type INT)
  - ■ Story_id ( story ID present in Stories type IN)
  - ■ User_id ( user ID present in Users type INT)
  - ■ Content (content of the contribution type TEXT)
  - ■ Created_at (time the contribution was made type DATE)
- ● Relationship:
  - ○ It is a one to many relationship as a user can contribute to multiple stories but each contribution will only belong to a single story.

**Sitemap**



**Assignments:**

| Task | Assigned To |
|---|---|
| Backend, focusing on user database and login log out and register | Moyo |

| | |
|---|---|
| Backend, focusing on managing story and contributions database | Princeden |
| Frontend, rendering homepage and stories | Suhana |
| Frontend, css, rendering login/logout, as well as edit stories | Raymond (PM) |
| Design Document | All members |