Waterlemon Soda

Joyce Liao (Project Manager), Kendrick Liang, Kenny Li, Johnson Li
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V2

Core Functionality

Home Page
Login / register
View/Contribute
Add Story
Logout

Program Components

Home Template
- Table of story titles - see all existing stories that the user can contribute to/ view if they have already contributed
  - Either a(n) edit/view button will be displayed next to a story title depending on if the user has already contributed to the story
  - Stories are listed alphabetically by their title
- Log off - ends session, goes back to login page
- View - see the entries to a story the user has contributed to
- Add new story - add a new story to the list
- Add to existing story - loads latest entry of story and allows user to add new entry

Login Page
- Enter Username / Password

Register
- directs user to register page
- enters an unused username
- Enter password for new user, re-enter password for confirmation

Story Template (when story is first created)
- Title - title of new story, stored in story table, and a new table is created with that story title being the name of the table.
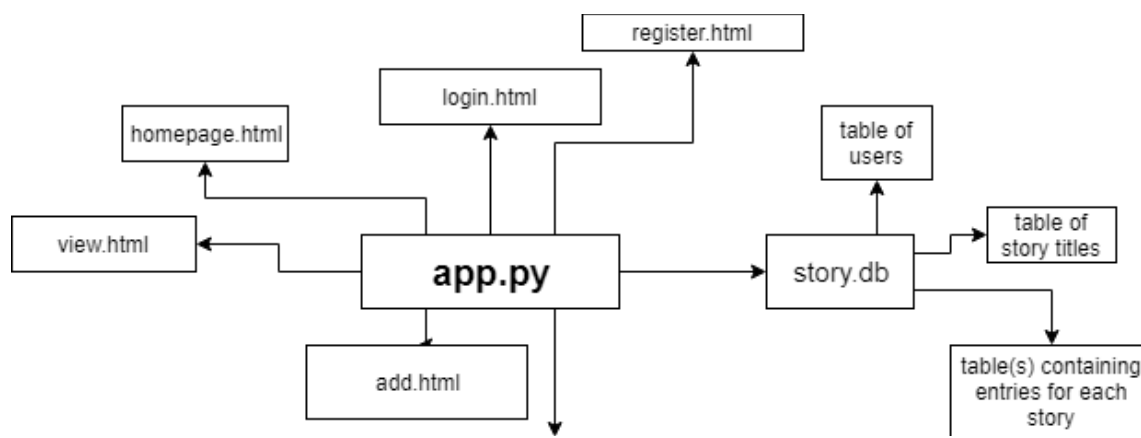- Content - STUFFS for the 1st entry of the story.

Logout
- Available on every page except login/register screens
- Redirects user to login page

app.py
- Root route (/)
  - If logged in, redirects to /home.
  - Else renders login page template
- Authenticate (/auth)
  - Verifies user's credentials and flash appropriate message if incorrect credentials have been entered, redirects to /home with logged in status otherwise
- Register route (/register)
  - Renders register page template
  - Adds new username-password pair into database
- Home route (/home)
  - Renders homepage.html
  - Displays list of articles from database
  - Takes in a dictionary of story title as keys sorted alphabetically; value of each key is a list containing whether the logged user has contributed to the story and the story id
- Add route (/add)
  - Renders add.html
  - Sends information to /newstory, which adds new story, creating a new table for the story in database
- Edit route (/edit)
  - Renders edit.html
  - Displays the last entry of the article and a text box for the new entry.
  - Edit an existing story, insert entry into corresponding table in database
- View route (/view)
  - Renders view.html
  - Shows the current story so far if the user has contributed.
  - Oldest entry top → Newest entry bottom
- Logout route (/logout)
  - Removes user from session
  - Redirects to login page

Component Map

Database Schema

Users

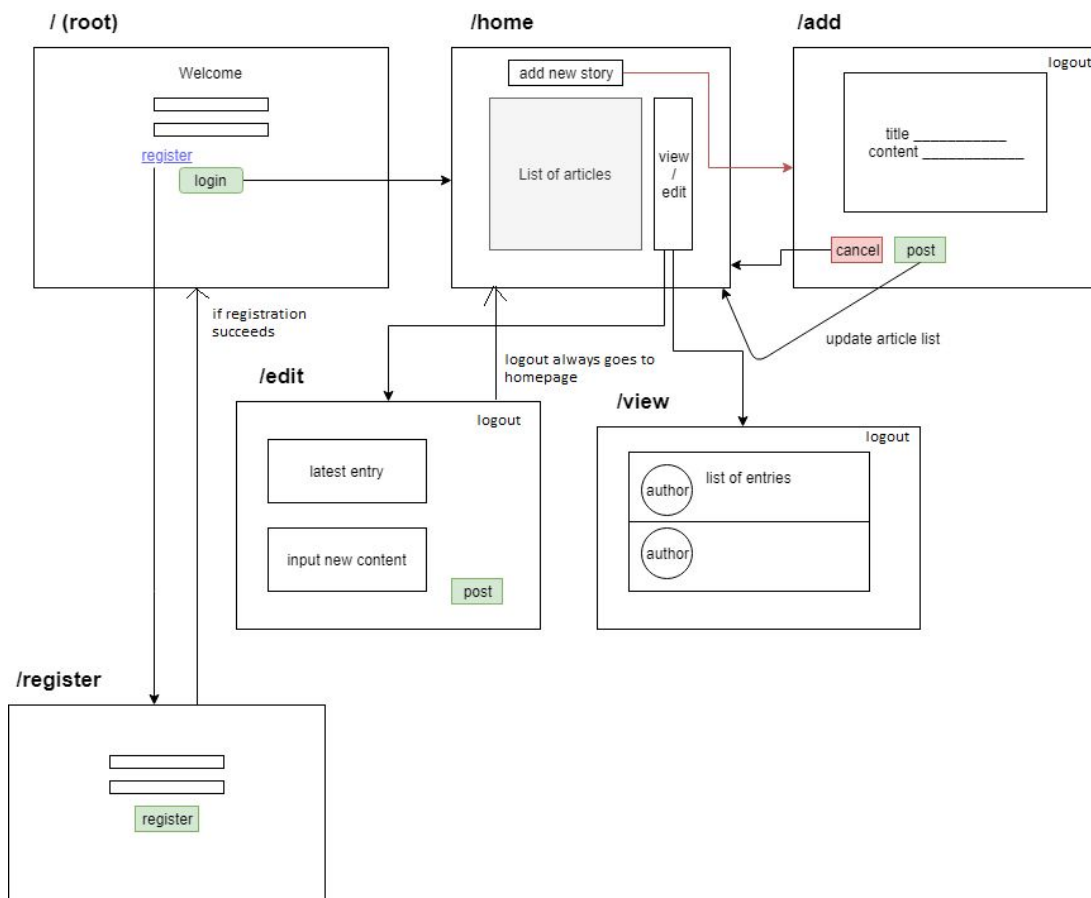| Username: (Primary Key) stores the username of someone who has registered onto this page.	Password Stores the password of someone who has registered onto this page.

Stories

Id: (Primary Key) Easier way to identify a certain story. Stores integer values.	Story Name: Title of the story that a user has given it upon creating a new story

<Story Id>: A new table is created for each new story and will be called its story name from the stories table.

Entry: (Primary Key) A counter to keep track of which entry it is up to.	Content: What the user contributes to the story	User: The username of the user that added this entry is stored.	Timestamp: The time the user added this entry.

Sitemap

Steps to Success
1. Create template for login, register, and home pages
2. Write login/register functions in app.py
   a. Test adding new user, login, and redirecting to homepage
3. Create template for creating a new story
4. Write add new story function
   a. test if new table is made in database
5. Create template for adding new entry to story and viewing a story
6. Write adding new entry/ view functions
   a. test if user is redirected to "view" page after contributing a new entry
7. Logout feature
8. Finalize code / make sure redirects and hyperlinks are going to the right places

Assignments
Joyce Liao - 5, 7, 8
Kendrick Liang - 2, 8
Kenny Li - 3, 4, 8
Johnson Li - 1, 6, 8

Stretch Goals
1. Admin mode (removes stories)
2. Display stories on homepage by timestamp of latest contributions