

# *Waterlemon Soda*

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Softdev Pd 8

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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.

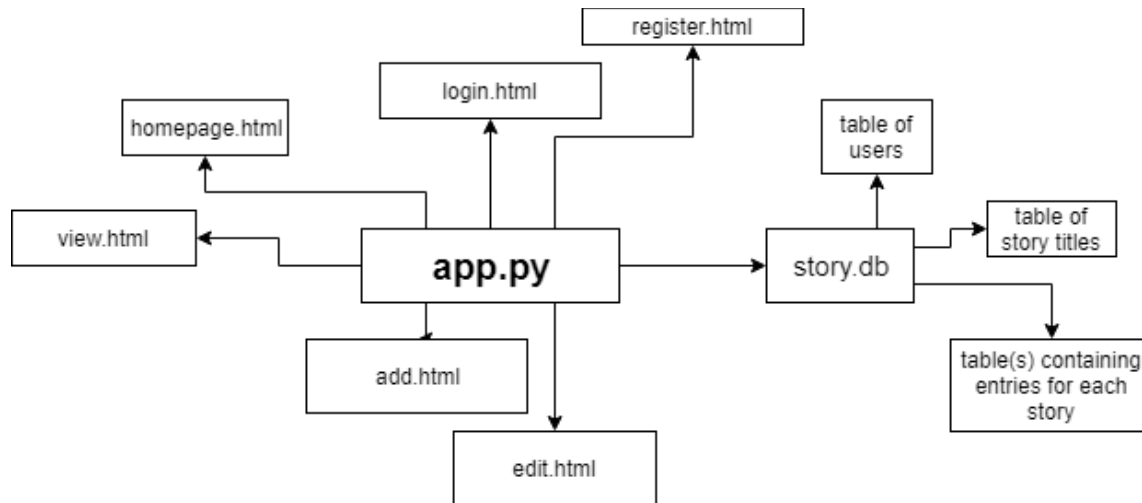
Logout

- 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

<b>Username: (Primary Key)</b> stores the username of someone who has registered onto this page.	<b>Password</b> Stores the password of someone who has registered onto this page.
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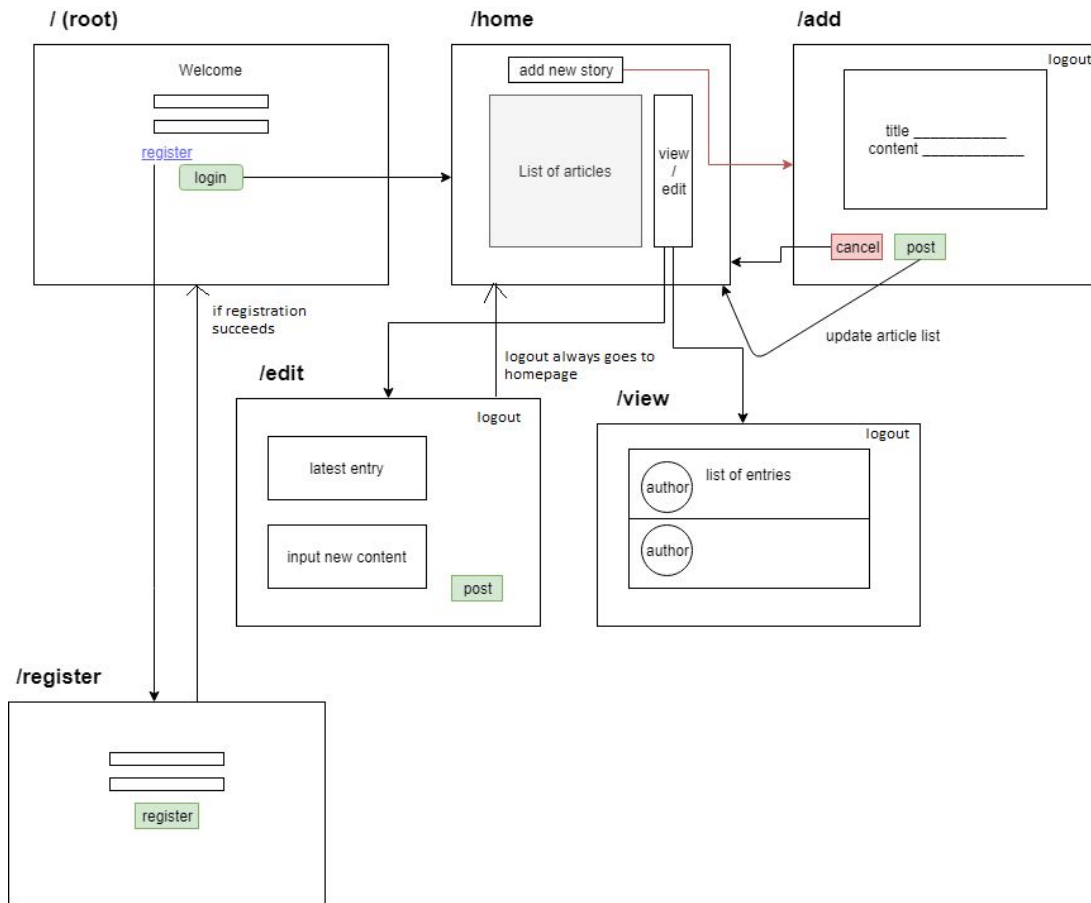
### Stories

<b>Id: (Primary Key)</b> Easier way to identify a certain story. Stores integer values.	<b>Story Name:</b> Title of the story that a user has given it upon creating a new story
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<Story Id>: A new table is created for each new story and will be called its story name from the stories table.

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