

Waterlemon Soda

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Softdev Pd 8

2018-10-28

V3

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.

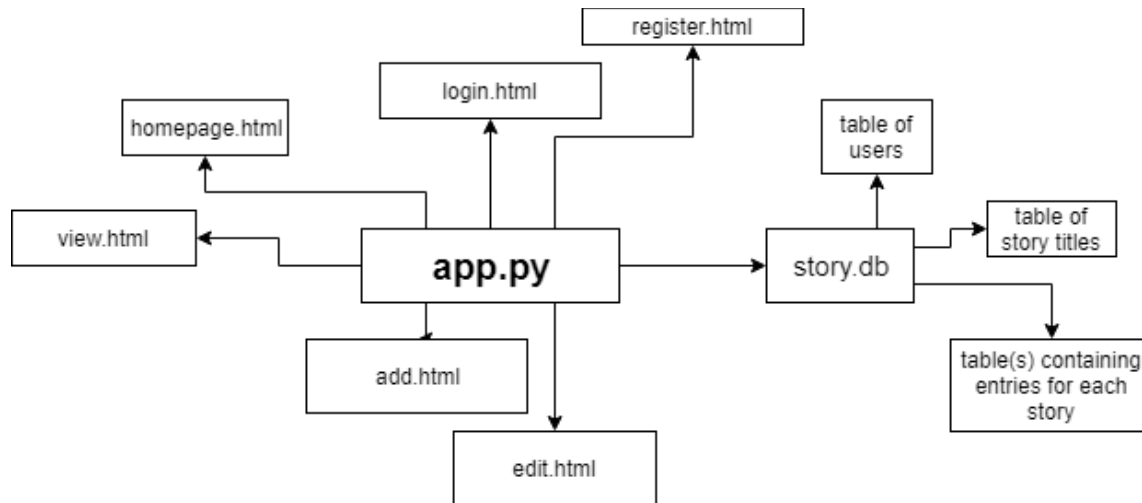
Logout

- 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.
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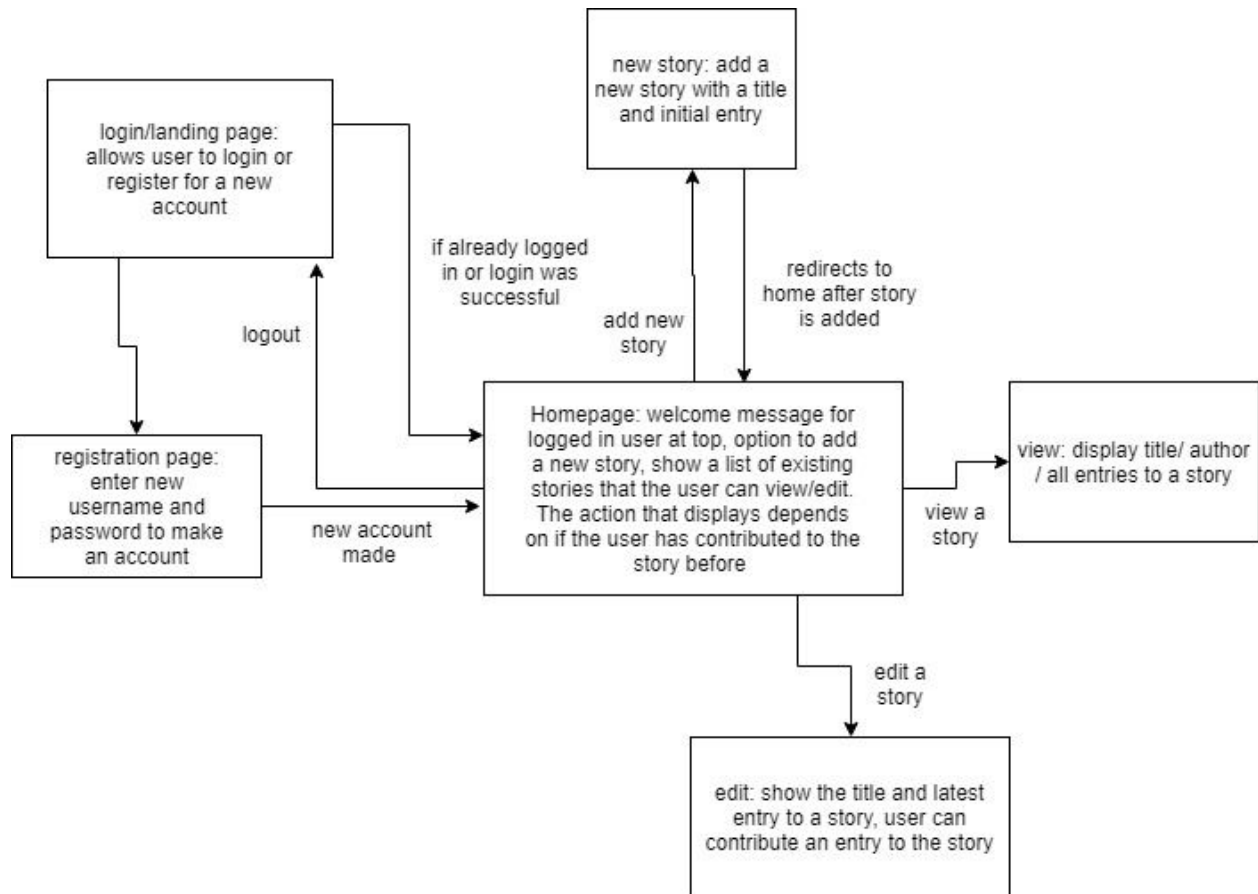
Stories

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
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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.

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.
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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

Roles

Joyce Liao - Project Manager, create placeholder templates and write simple functions that retrieve information from database

Kenny Li - Backend, functions in Flask script and major database functions that modify and get data from the database

Johnson Li - Backend/ Frontend, collaborating with Kenny to flesh out html templates that are rendered by the Flask script, also helping with database functions

Kendrick Liang - Backend/ Testing, review code for potential improvements and adding comments when necessary, create and keep track of database over time, test the site for bugs

Stretch Goals

1. Admin mode (removes stories)