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SoftDev

Design Document

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Program Components:

- Flask

    - Flask will pull html code from the templates folder and will show table data from our data folder, which will contain .db files which will be created through inputs on the website and sqlite3 as tables

- Python

    - Various python modules will be used accordingly in order to utilize flask and sqlite3. In other words, python will serve as the middleware, exchanging data between flask and sqlite3 to reconstruct a working website

- SQLite3

    - Sqlite3 will create data tables in a db file which will be stored in a data folder

    - Data about users and stories will be obtained from inputs in forms on the page generated by flask

Database Organization:

- The username and password combinations will be stored in a table called Users, along with the stories that they have created/edited (username TEXT, password TEXT, stories [table? undecided])
- The stories created and edited by users will be stored in a table called Stories. This table will contain the name of the story, along with the latest update to the story and the entire story itself (name TEXT, latestUpdate TEXT, fullStory TEXT)
- (See Figma diagram)

Tasks:

- Create main page to direct to register/login with buttons
- Allow users to register and log in, save user/pass data in Users table
    - Prevent users from accessing the rest of the website without logging in
- Create dashboard to allow users to view/read stories they have contributed to
- Allow users to create new stories and save new story data from form in Stories tables
- Allow users to find existing stories and edit them, modify data in Stories table accordingly with data from form
    - Prevent users from viewing anything but the latest update
    - Prevent users from making edits to stories they have already contributed to

Figma:

Frontend

Main Page

About Page

Synopsis of how the cite works

Want to begin?

Login or create an account

Log In

Create Account

Log In Form
Create Account Form

Username

Password

Submit

Only difference between login and create account is the route

To implement later: the randomly chosen stories should not already be added to by the user.

When you click the story, you only see the latest update as pulled from the sql table. If you have already added to the story, show error.

See Stories

Search by Title

A few randomly chosen stories

Story Title

Latest story update

Submit update

On submit, do the following in the database: replace update and concatenate update to text. Also, add title to users list.

Logged-in Page

Logout

| Home | See Stories | Create Story |

Dashboard

Contains stories that you have created or edited and can therefore read

Story 1 | Story 2 ← click to read stories

Create Story

Title

Story Text

Submit

On submit, create an entry in the stories table with the text and update filled out. Add title to users list.

Database

Users

Username	Password	List of edited stories

Stories

Title	Latest Update	Entire Story