Team Moody Tunes: Md Abedin, Sasha Fomina, Augie Murphy, Xing Tao Shi

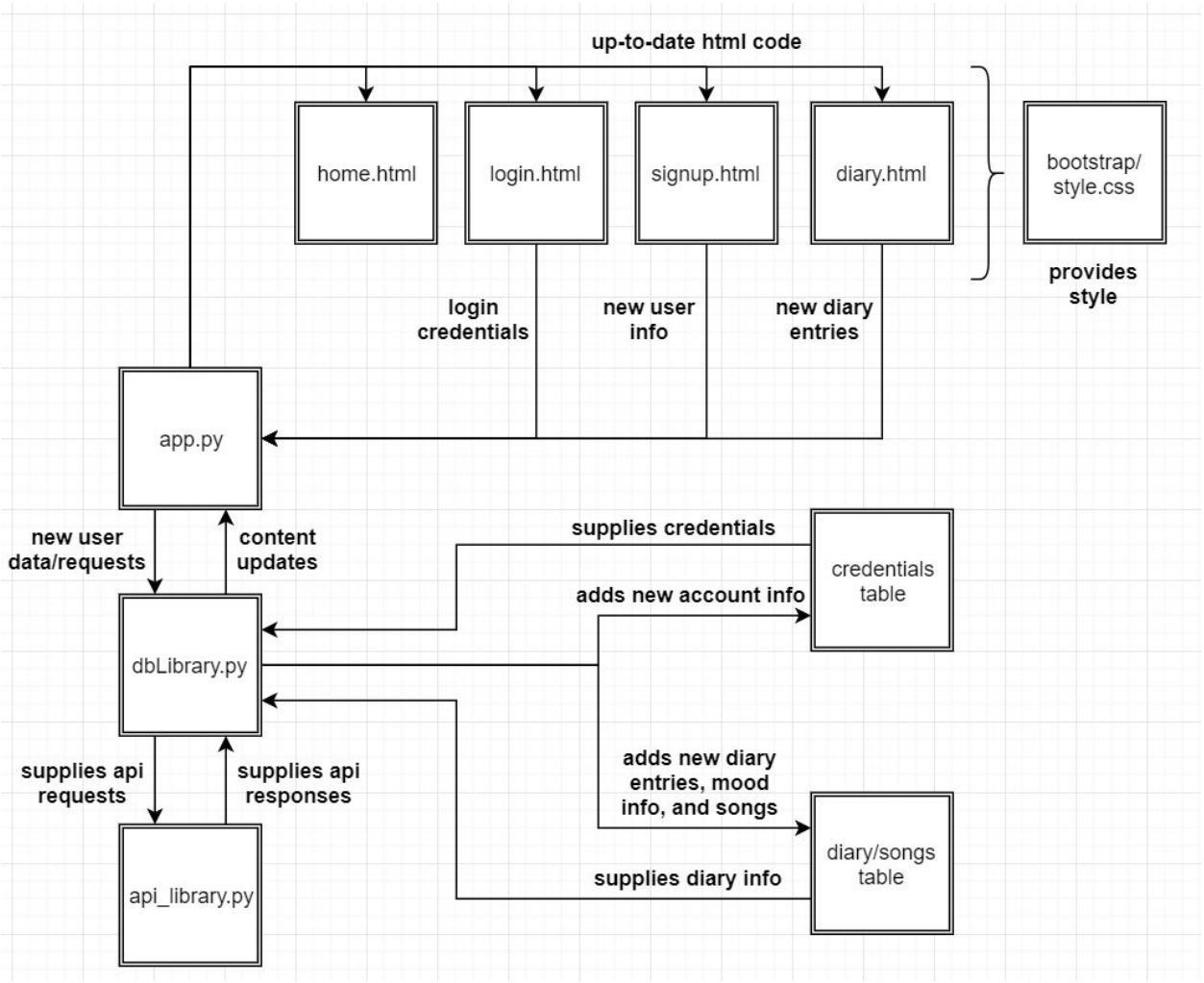
Mood Diary

Program Components:

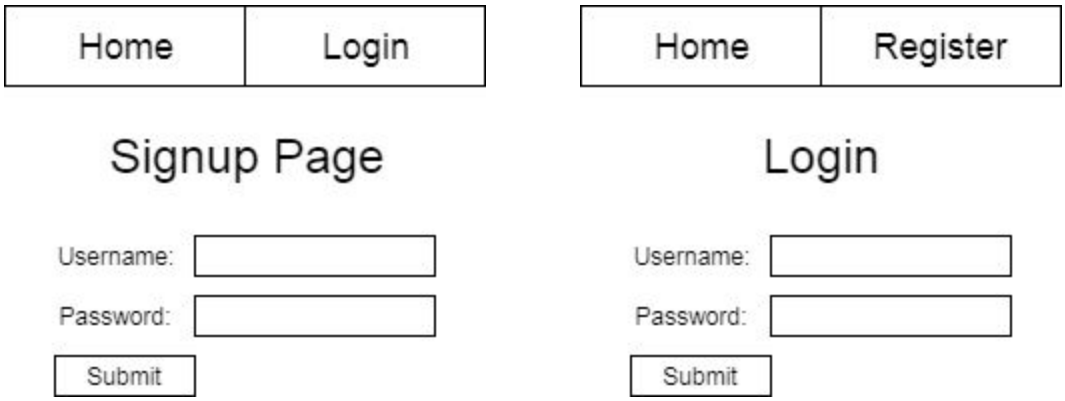
- home.html
    - Links to login, register, logout, about us, and apis/credits
    - Brief description of site
- login.html
    - Links to home and register. Has a form for logging in. Redirects to home.html once logged in
- signup.html
    - Redirects to login if account creation successful. Has a form for signing up, and links to login and home
- diary.html
    - Displays all entries with appropriate embedded last.fm song, with most recent entry last
    - Has a sidebar with a list of dates. Each date is a link that will take you further down the page to that day
- bootstrap
    - Css framework
- style.css
    - Our custom style for the website
- app.py
    - Flask App
    - Includes all routes
- Utils
    - __init__.py
    - dbLibrary.py
        - Handles new diary entries. Updates diary table with new entries, mood info, and songs

    - api_library.py
        - Sends api requests and parses responses
- tunes.db:
    - users Table
        - Username|Password| Most recent for sad| most recent for happy| ect. - For checking user credentials
    - diary Table
        - Username|Date|Diary Entry|Mood Info|Song- For storing user data | song rating (3 stars)
    - songs table
        - Song name|artist| mood | 1 star| 2 stars | 3 stars| parent song
- APIs:
    - Last.fm for songs
    - IBM Watson Tone Analyzer for diary analysis

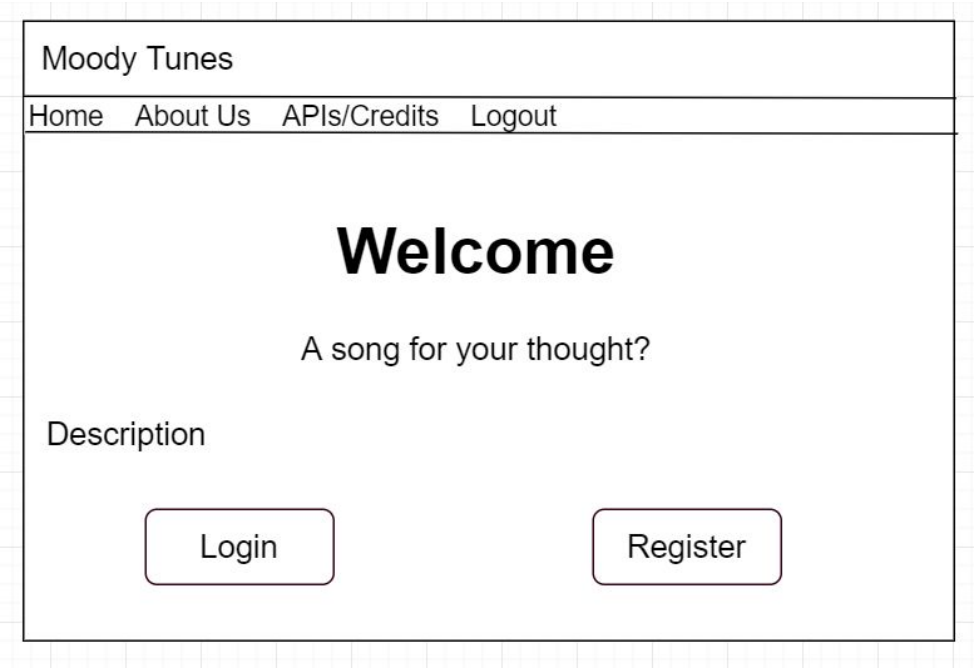
Component Map:



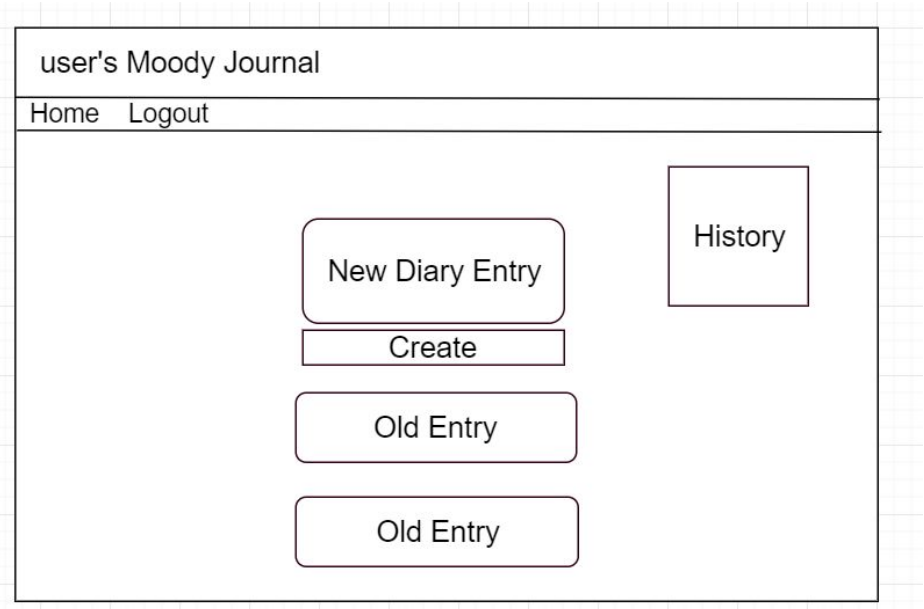
Site Map:



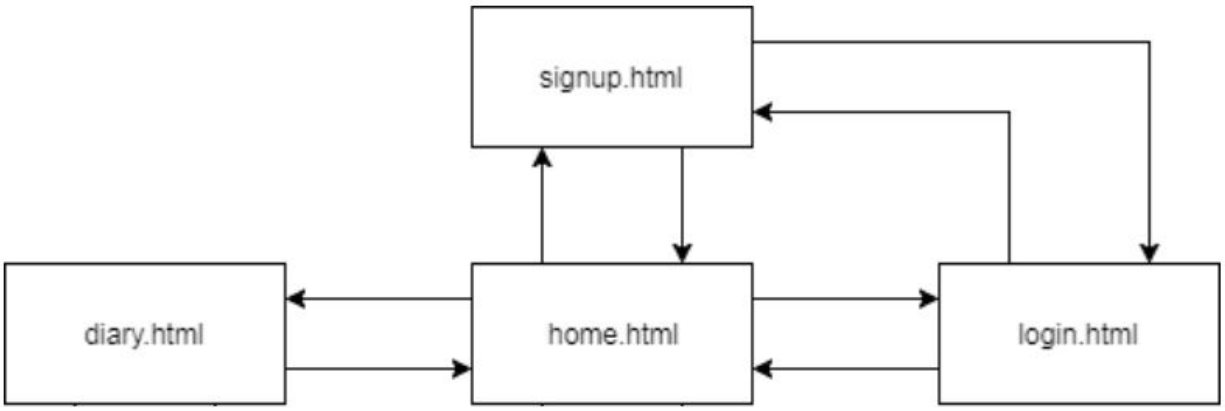
Home:



Diary:



Navigation:



Database Schema:

- users Table
    - Username|Password| Most recent for sad| most recent for happy| ect. - For checking user credentials
- diary Table
    - Username|Date|Diary Entry|Mood Info|Song- For storing user data | song rating (3 stars)
- songs table
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Task Breakdown:

- Md
    - Project manager. Keeps track of devlog, oversees distribution of labor, keeps project on schedule, handles minor coding tasks
- Sasha
    - Database python file
    - Api python file
- Augie
    - Html file designing
    - Css styling
- Xing Tao
    - Flask routing