Team happy feet
SoftDev1 pd7
P01 -- ArRESTed Development oh dear
Team happy feet
Tina W. - Prime Minister (PM)
Rubin P. - Attorney General
Vincent L. - Secretary of State
William L. - Chief of Staff

UwU News

<u>Theme:</u> A website that displays the latest news articles, weather forecasts, and a quote/fact of the day. This will serve as a homepage that will open whenever the user opens a new browser window/tab. The articles and forecast will be chosen by the user when they make their account and can be changed whenever they please.

<u>List of Program Components:</u>
- Users can login and choose settings
    - Preferences for news tags and location for weather.
- Display current events by getting results from the News API
- Display current weather by getting results from the Forecast API
- Display general climate by getting results from the Climate API
- Display a random quote or fact of the day from the Fortune Cookie API
- Search for news articles

<u>Database Schema:</u>

users.db

id	Username	HASHED Passwords	Security question	Answer	Saved cities	Saved news tags
INTEGER	TEXT	TEXT	TEXT	TEXT	TEXT (csv style)	TEXT (csv style)

Team happy feet
Tina W. - Prime Minister (PM)
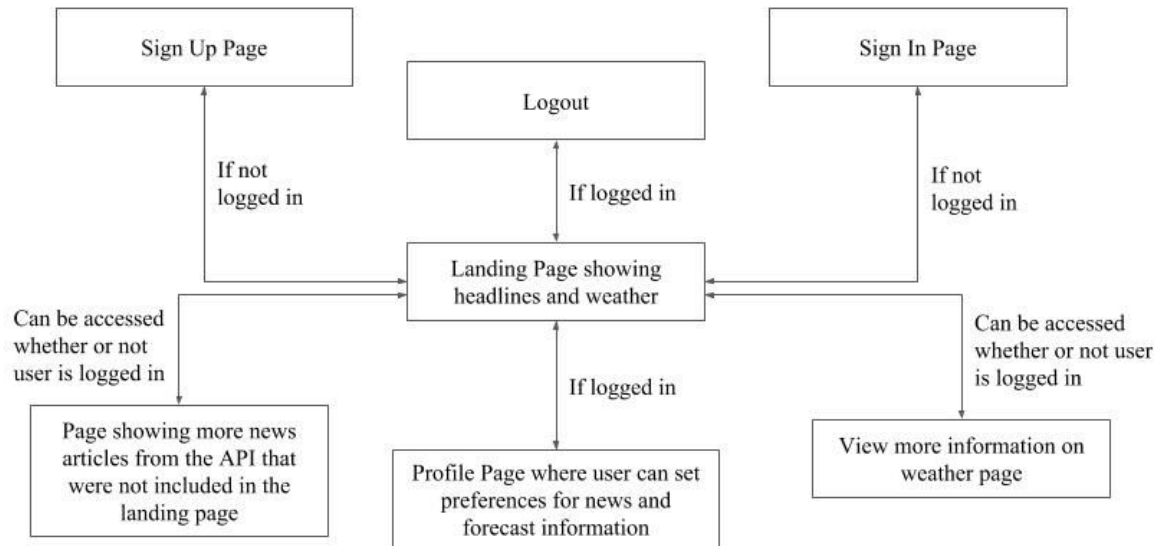Rubin P. - Attorney General
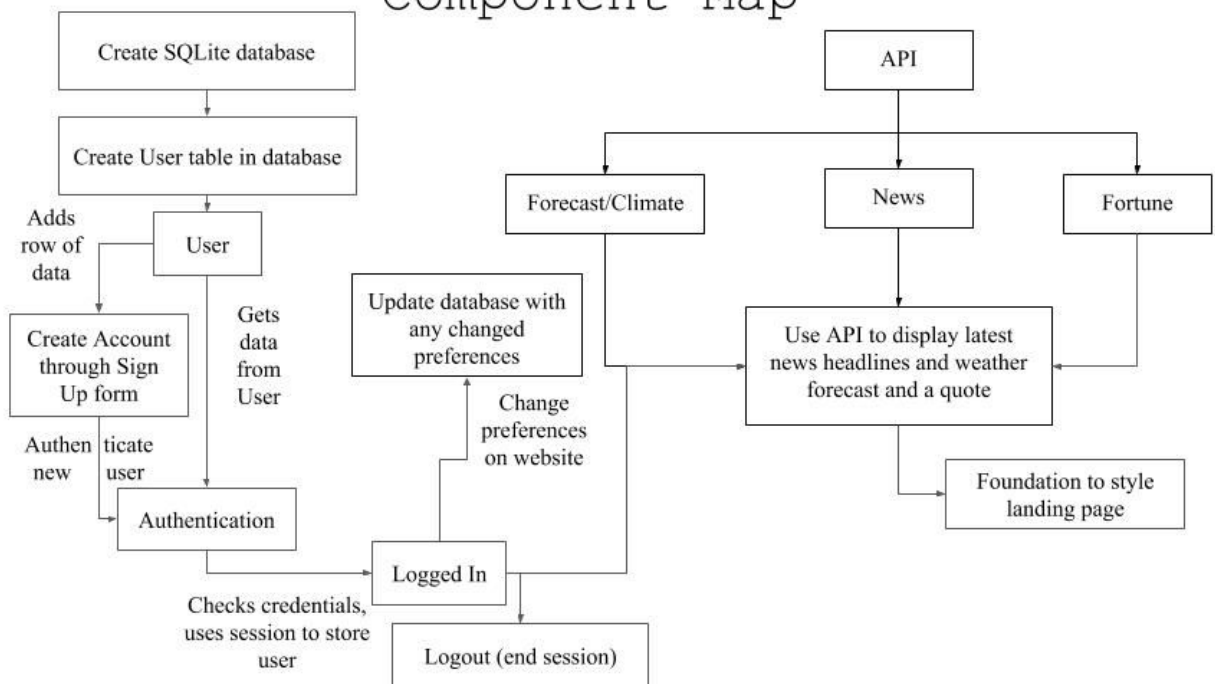Vincent L. - Secretary of State
William L. - Chief of Staff

Front End Site Map:

Front End Site Map

Sign Up Page

Logout

Sign In Page

If not logged in

If logged in

If not logged in

Landing Page showing headlines and weather

Can be accessed whether or not user is logged in

Can be accessed whether or not user is logged in

If logged in

Page showing more news articles from the API that were not included in the landing page

Profile Page where user can set preferences for news and forecast information

View more information on weather page

Component Map:

Component Map

Create SQLite database

API

Create User table in database

Forecast/Climate

News

Fortune

Adds row of data

User

Gets data from User

Update database with any changed preferences

Use API to display latest news headlines and weather forecast and a quote

Create Account through Sign Up form

Authenticate new user

Change preferences on website

Foundation to style landing page

Authentication

Logged In

Checks credentials, uses session to store user

Logout (end session)

Team happy feet
Tina W. - Prime Minister (PM)
Rubin P. - Attorney General
Vincent L. - Secretary of State
William L. - Chief of Staff

Breakdown of Tasks and Group Member Assignments, ordered in priority:
Prime Minister (PM): Tina Wong
Front End: William Lu + Vincent Lin
Backend: Rubin Peci + Vincent Lin

1. Create a GitHub repo (Tina) ***DONE***

2. Start with Flask Starter Kit (Rubin) ***DONE***

3. Basic Landing page – (Tina) ***(Anticipated: 2018-11-23)***

    a. Make a landing page that we can load CSS into to test

4. Front-End Development (William + Vincent)

    a. Utilize **Foundation** to create HTML pages ***(Anticipated: start front end on 2018-11-25, but updated as new features are added)***

    b. Manage the **static/** and **templates**/ folders

        i.   Connect the front and back end via Jinja

    c. Add user profile page ***(Anticipated: 2018-11-27)***

5. Include APIs

    a. Make .py files in the **util/** folder that will take advantage of the APIs

    b. Start off with the News API (in order of importance) (Rubin)

        i.   Basic display of article headlines ***(Anticipated: 2018-11-26)***

        ii. Include links to articles ***(Anticipated: 2018-11-26)***

        iii. Show short article descriptions ***(Anticipated: 2018-11-26)***

        iv. Store data locally so requests don't have to constantly be made ***(Anticipated: 2018-11-27)***

        v.   Add search feature for news articles ***(Anticipated: 2018-11-27)***

    c. Forecast and Climate API (Rubin)

        i.   Get relevant data from a location (temp, forecast, etc.) ***(Anticipated: 2018-11-29)***

        ii. Allow the user to choose locations. ***(Anticipated: 2018-11-30)***

            1. Make them enter coordinates or search by cities

    d. Fortune Cookie API (Vincent)

        i.   Display a random quote or fact of the day on the landing page ***(Anticipated: 2018-12-01)***

6. Login System (Rubin + Tina)

Team happy feet
Tina W. - Prime Minister (PM)
Rubin P. - Attorney General
Vincent L. - Secretary of State
William L. - Chief of Staff

    a. Account creation on the website, Sign Up Form and Page

       (Anticipated: 2018-11-26)

    b. Account login and authentication

      i.   Make a database and include functionality to make an account

         (Anticipated: 2018-11-27)

      ii. Accounts will save user settings so the site knows what kind of info to load (location, news, etc.) *(Anticipated: 2018-11-29)*

7. Complete Summary Document (Tina)

Tasks being done concurrently:
1. Maintaining devlog (Everyone)
2. Revising Design Doc (Tina)
3. Entries in devlog addressing mid-development modifications (Tina)