

## **Final Project Plan**

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The project will be completed in the following fashion page by page. Please see the attached PDF file of images to understand fully the functionality. The application will serve as an engine to generate recommendations based off of a mood, and to allow users to see cool generated moods.

#### **Home:**

##### *Overview*

The home page will be a simple launch page. The launch page will include the name of the website, and a brief description. In the top right corner will be a Sign In and Sign Up button.

Features:

- Login
- Sign Up
- Site Description

##### *Technologies Used*

- Firebase: To power login/register authentication services
- Bootstrap: To make the page look aesthetically appealing
- Vue: Utilizing the Vue Router library to route login success to the main portion of the site

#### **Profile (Private Profile):**

##### *Overview*

The profile will contain information about the user and will display all the blocks they have created. It will also allow users to delete blocks and to share their blocks there.

Features:

- View Block
  - User can enlarge block and see more details about it
- Name Block
  - User can change the name of the block from a default setting of date/time
- Delete Block
  - User can remove the block from their profile and the site
- Share Block
  - User can share block with other users, and to Twitter, Facebook
- User Name
  - Change User name

##### *Technologies Used*

- Firebase: To power the backend for the page. It will be used to contain the information about the blocks and to provide it to the Vue component.
- Bootstrap: To create a bootstrap grid for the Vue components.
- Vue: The page will be built using Vue components and Vue. The blocks will be individual vue components.
- Facebook API: To allow for sharing to Facebook
- Twitter API: To allow for sharing to Twitter

## **Profile (Public Profile):**

### *Overview*

Users can see all the blocks generated by other users on their individual profile pages.

### *Features:*

- View Block
  - User can enlarge block and see more details about it
- Follow Block
  - User can follow the block and add it to his or her own profile.
- Share Block
  - User can share block with other users, and to Twitter, Facebook

### *Technologies Used*

- Firebase: To power the backend for the page. It will be used to contain the information about the blocks and to provide it to the Vue component.
- Bootstrap: To create a bootstrap grid for the Vue components.
- Vue: The page will be built using Vue components and Vue. The blocks will be individual vue components.
- Facebook API: To allow for sharing to Facebook
- Twitter API: To allow for sharing to Twitter

## **Feed:**

### *Overview*

Users can see all the blocks generated by other users. Users can then uptick a post to make it more relevant. Users can also follow the post to add it to their personal profile page.

### *Features:*

- View Block
  - User can enlarge block and see more details about it
- Follow Block
  - User can follow the block and add it to his or her own profile.
- Uptick Post
  - User can uptick post to increase the relevance of a given post.

- Share Block
  - User can share block with other users, and to Twitter, Facebook
- Search

### *Technologies Used*

- Firebase: To power the backend for the page. It will be used to contain the information about the blocks and to provide it to the Vue component.
- Bootstrap: To create a bootstrap grid for the Vue components.
- Vue: The page will be built using Vue components and Vue. The blocks will be individual vue components.
- Facebook API: To allow for sharing to Facebook
- Twitter API: To allow for sharing to Twitter

### **Create Block:**

#### *Overview*

Users will answer a series of 10 questions sourced from a constant JSON. The questions will gauge the sentiment of the user. It will be used to match the user's sentiment with a sentiment from a Spotify playlist, IMBD movie, Google books, and Yelp restaurant.

#### Features:

- Survey
  - Users will answer question using a slide scale and move on to the next question. User has option to close the modal when desired.
- Sentiment Score
  - Sentiment score will be calculated on a baseline of 100 and adjusted based off scales -5 to 5 per question.
- Sentiment Matching
  - Will match the sentiment score with existing key words from set values for ranges of 5 words each.
  - The selected keywords will be used to run queries on the appropriate API's
  - The API queries will return a list of elements which will be randomly selected from

### *Technologies Used*

- Firebase: When the block is created, the block will be added to the data structure.
- Bootstrap: To maintain part of the CSS of the page.
- Vue: The slideshow will be built using Vue components.
- Spotify Playlist API: The spotify playlist will be generated through the keywords generated from our sentiment analysis.
- IMBD API: The IMBD movie will be generated through the keywords generated from our sentiment analysis.
- Google Books API: The Google Books will return an appropriate book based on our keyword.

- Yelp Api: The yelp api will return a restaurant recommendation in accordance with the Night curated