Team CTRL-ALT-DELETE

Team Members:
Rhett Hanscom
Michael Carter
Kenny Schader
Ryan Drew

Pulse - Project Milestone #2

Project Features List

-Twitter Features

-Display recent tweets

-[FUNCTIONAL] Column of recent tweets on the search term will be displayed to the user, stylized in the same manner as twitter.

-[NON-FUNCTIONAL] Tweets will be embedded in cards. Tweets obtained through the Twitter Search API.

-Tweet Sentiment Score

-[FUNCTIONAL] Display graph with the distribution of positive, negative, and neutral tweets.

-[NON-FUNCTIONAL] Systems used: Twitter Search API, TextBlob, Pandas, MatPlotLib.

-Popular locations

-[FUNCTIONAL] List the locations where the searched term has been tweeted about most in the last seven days.

-[NON-FUNCTIONAL] Systems used, Twitter Search API, Pandas, MatPlotLib. Will log geotags for tweets and the calculate most frequent locations.

- Instagram Features

-Display Recent Posts

-[FUNCTIONAL] Column of popular recent posts containing the searched term.

-[NON-FUNCTIONAL] This will be achieved with the Instagram API. Posts will be formatted as they appear on the Instagram platform. Posts embedded in cards.

- Reddit Features

-Display Recent Posts

- [FUNCTIONAL] Column of popular recent posts containing the searched term.

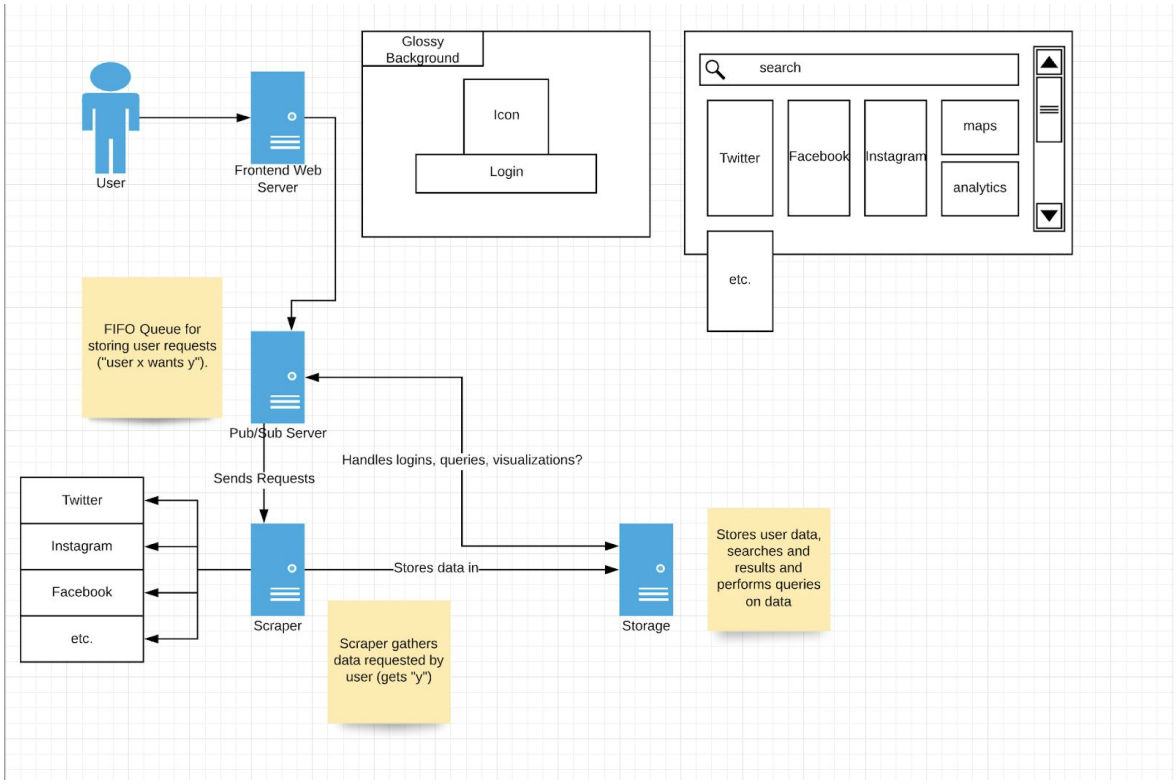
- [NON-FUNCTIONAL] This will be achieved with the Reddit API. Posts will be formatted as they appear on the Reddit platform. Posts will be embedded in cards, placed into the Reddit column.

- Post Popularity Meter
    -[FUNCTIONAL] Include a colored meter on each post that represents upvote - downvote ratio
    -[NON-FUNCTIONAL] The Reddit API will be used to find upvote and downvote count of each post that has been looked at, and a Bootstrap progress bar class will be used to visually convey vote ratio.

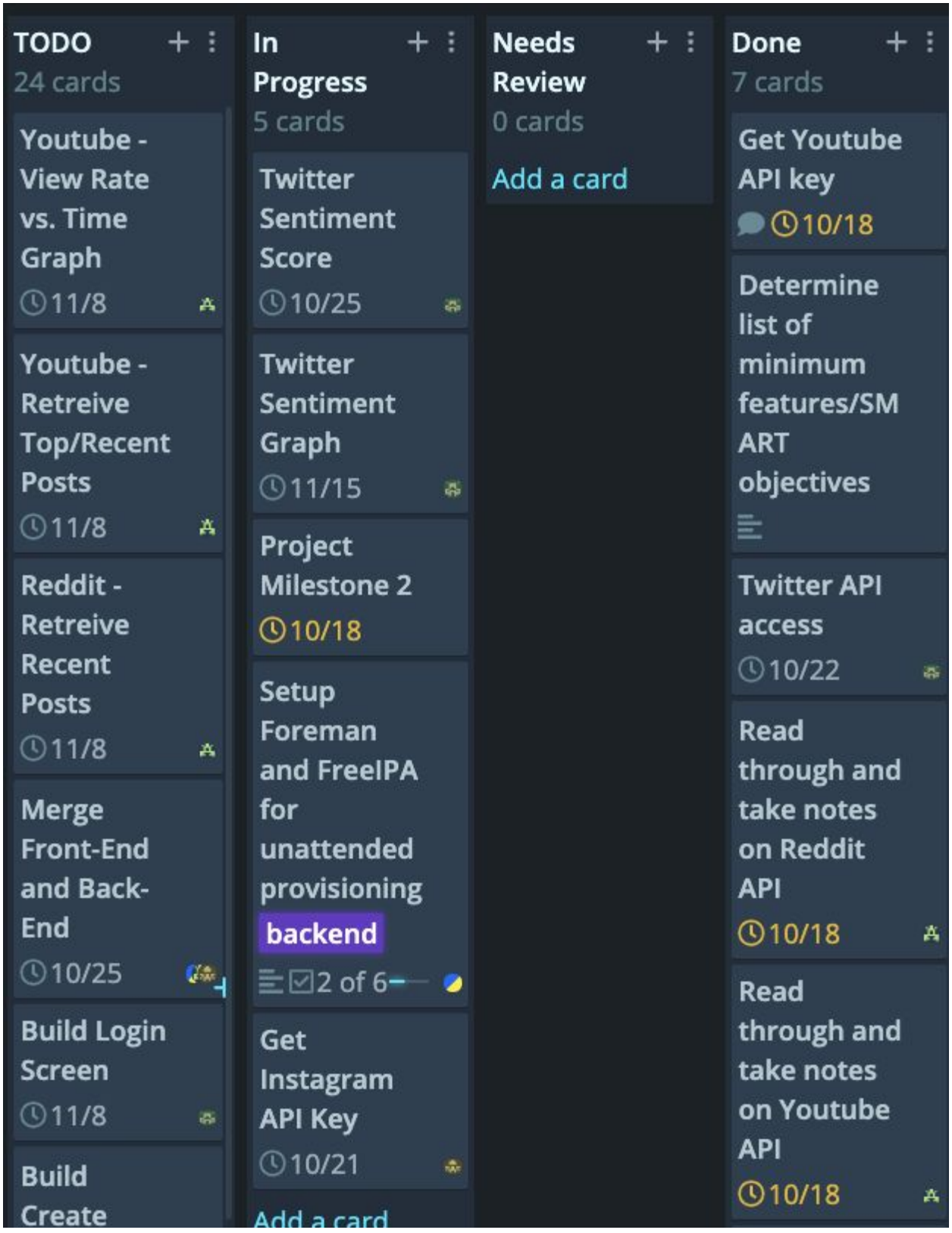
- <u>YouTube Features</u>
    - Search Results
        - [FUNCTIONAL] Column that displays x most relevant video titles given a keyword
        - [NON-FUNCTIONAL] uses the search functionality in the Youtube Data API & html
    - Video search popularity graph/chart
        - [FUNCTIONAL] Display the total number of views among the top x videos and a graph of “popularity over time”
        - [NON-FUNCTIONAL] Calculates view rate vs. time total views at time x by summing views of search results and noting upload times (would help show rise or fall of popularity of subject matter, provided search results are meaningful). Using Youtube Data API, MatPlotLib & html

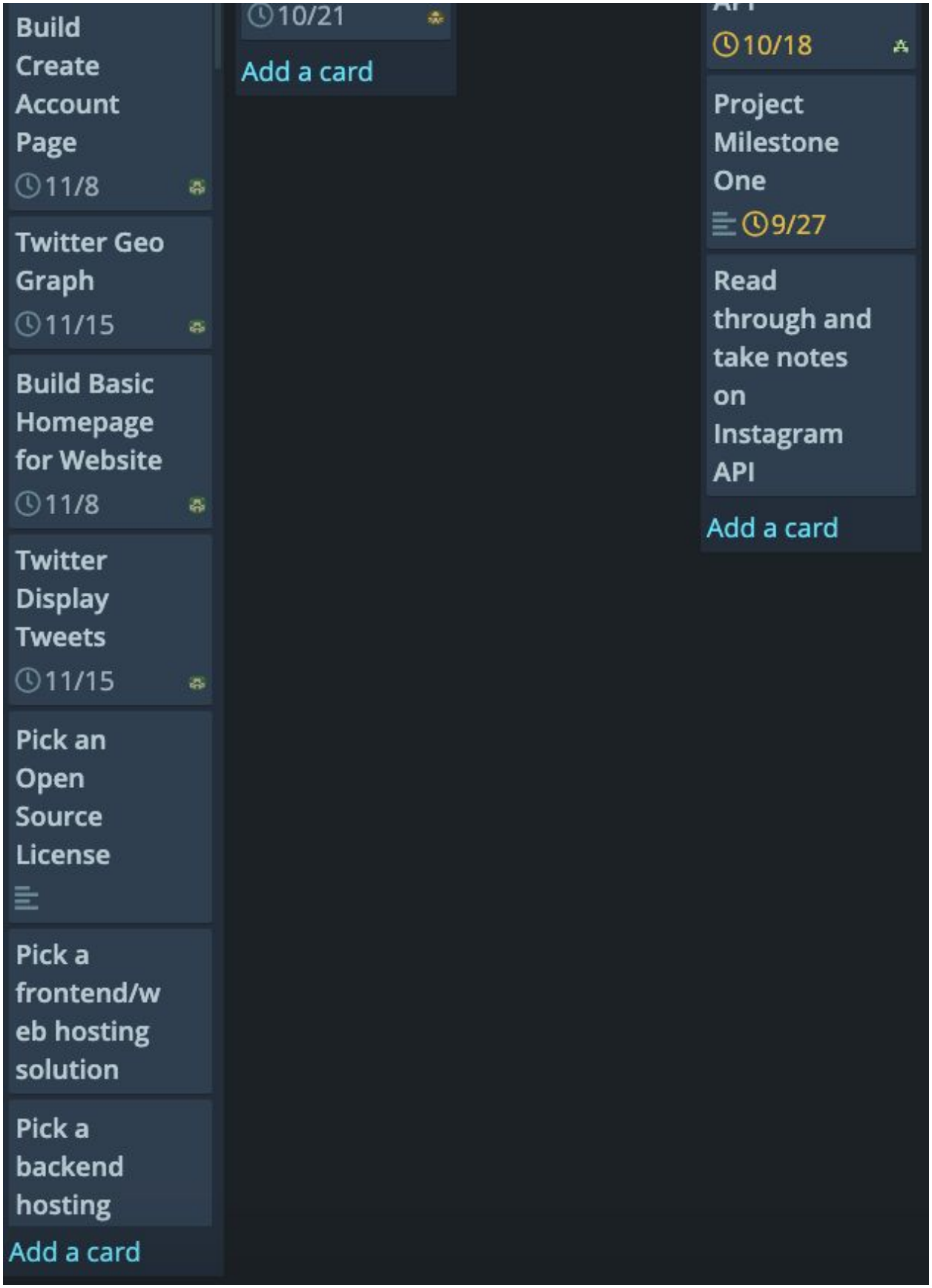
-Website
    -Create user
        -[FUNCTIONAL] Allow for account creation.
        -[NON-FUNCTIONAL] Form built in HTML and JS.
    -Login
        -[FUNCTIONAL] Access user account. Will overlay the search screen. Taking style inspiration from the iCloud website.
        -[NON-FUNCTIONAL] Form built in HTML and JS.
    -Homepage
        -[FUNCTIONAL] Host the search screen and analytics.
        -[NON-FUNCTIONAL] Page built in HTML and JS.

Project Architecture (Using LucidChart)



Kanban board (Screenshot from GitKraken)




Build Create Account Page
11/8
Twitter Geo Graph
11/15
Build Basic Homepage for Website
11/8
Twitter Display Tweets
11/15
Pick an Open Source License
Pick a frontend/web hosting solution
Pick a backend hosting
Add a card
10/21
Add a card
10/18
Project Milestone One
9/27
Read through and take notes on Instagram API
Add a card