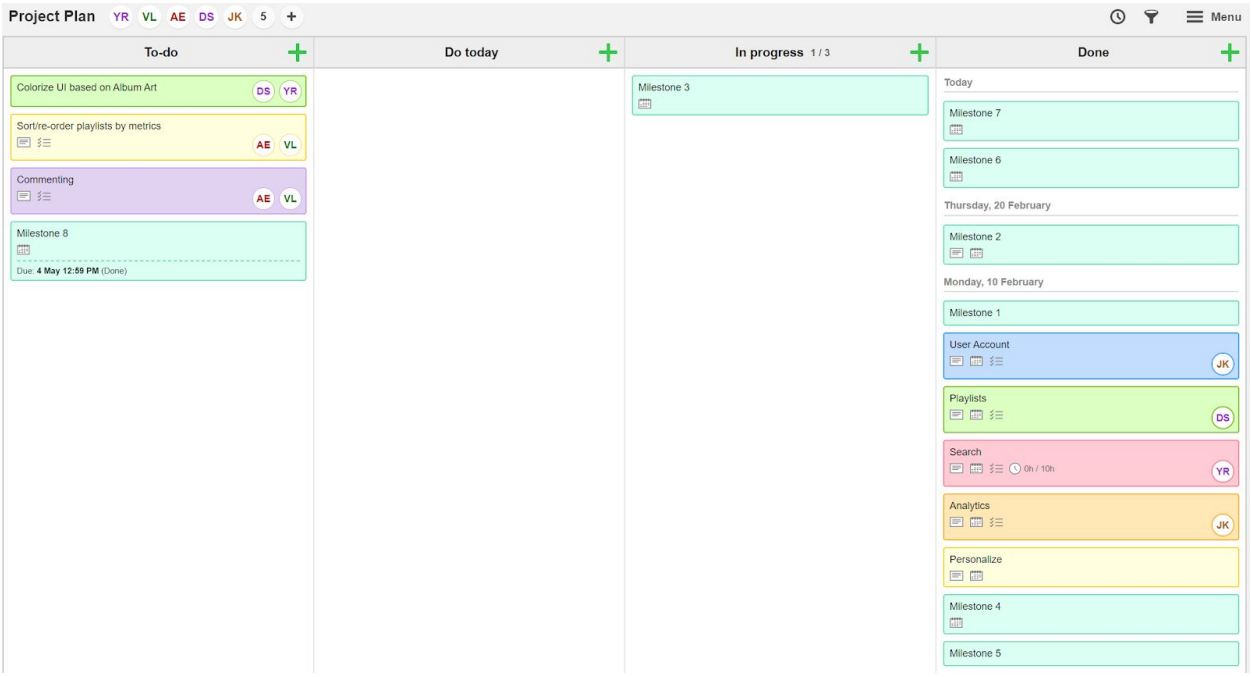
Project Milestone 7
102-4
JAVYD
Vananh Le, Amey Erdenebileg,Yosan Russom,Jack Kelly, Drishan Sarkar

VALENCE

Project Description:

Valence is a photo and music sharing website where users have their own personalized page where they can upload photos to their gallery and add music. The user starts by signing into their own Spotify account and is redirected to the website. Valence allows the user to look through their gallery and also upload their own pictures into the gallery. Music can also be played when hovering over the picture with the mouse. Valence also has a feature where users can comment on your gallery by simply inputting their name and their comment. Comments on your gallery will show below and this creates a way for users to interact with each other. Since you are connected through your own Spotify account when you log in, Valence also allows users to search music based on the artist and album that will direct them to Spotify where you can then add the song to your own playlists. The search feature is designed for users to easily look up information from Spotify based on the user's input for the album or the artist. The user can also look at their display name, spotify id, email, spotify url, the country they are listening in, and their profile image on their profile page.

Project Tracker:



Kanban Flow: https://kanbanflow.com/board/2ohA11

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Team Meeting Log:
https://docs.google.com/document/d/1S6ddWyKjbeWONhw5YfSsUaBQkAj2FcQmwV-GpFP32FE/edit

VCS:https://github.com/drish96/Valence

Test case: UAT 1:

- Feature: Uploading and commenting
- Purpose: User wants to upload and explore what is in their gallery by viewing the pictures and comment
- User Activity: Once logged in, to upload the user would need to upload a picture and search up the music and once they hit submit, it will go into their gallery. The user's personal gallery is presented in their home page, so to view it, the user can simply be logged in. To comment, the user can simply add a text they wish to add. Once they click the submit button, their comment is displayed in the gallery they uploaded.

UAT 2:

- Feature: Login to users account with Spotify
- Purpose: User is able to login using their Spotify account and if they don't have one, they can sign up, after they will be redirected to the website
- User Activity: When the user first opens the site, the site will display a login page. The user then can enter their username and password to sign into their Spotify account. If they don't have an account, they can click on the create account button which will redirect them to create a Spotify account. After the user logins, they should be directed to our main homepage. The user profile section should also be personalized to that specific user.

UAT 3:

- Feature: Search for artist or album
- Purpose: User is able to search for their favorite artist or album they want to browse.
- User Activity: The search feature is located in the homepage of the website. At the top of the page, there should be a search text with the option artist or album. After the user clicks the submit button, it should display the results that they are looking for. If there aren't any results, it should display a message notifying the user that there is no data found. For each of the results, it should demonstrate an image from the album or artist. The limit for the number of results per request is limited to 20. If the user wants to see more results, then there will be a show more button that displays more results.

Contribution:

Vananh Le: I was mostly focused on the HTML and CSS work for Valence, more specifically the user interface. I designed the way our page should look, and made some

changes to the way the photos should be organized and figure out how the audio should be played for the music. I also made significant changes to the search.html file so that it blends in better with the rest of our pages.

*(I mostly uploaded my material onto another branch (update-_to_home, main_homepage, and commenting)

Amey Erdenebileg: I worked on the commenting part of the website. I was able to create a comment box and have the user input their name and their comment so that it showed up beneath the image gallery. I also worked with Vananh and created an updated version of the image gallery so that it was more responsive and when you clicked on it the images were enlarged and you could easily go through the pictures.

Yosan Russom: I mostly worked on the search feature that is presented in the website. I was able to communicate with the Spotify search API. It required a lot of work in terms of authentication, but I found documentation on an alternative way of passing Spotify's endpoint. My commits are located in the master brunch, search brunch, valence_milestone repo, and valence_logs repo. I created the README file located in the main repository. When we work on the project milestone and meeting log together, I push it to GitHub and make sure everything is up to date.

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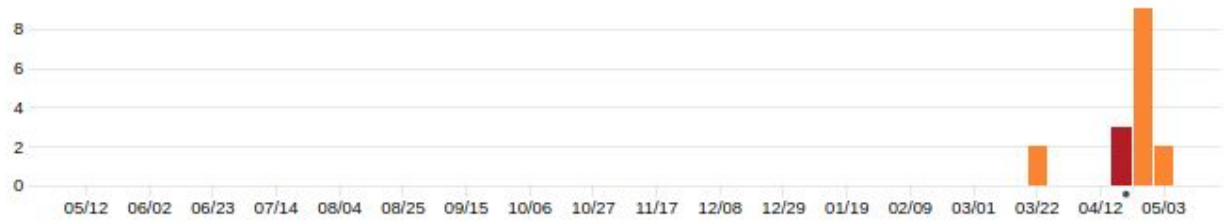
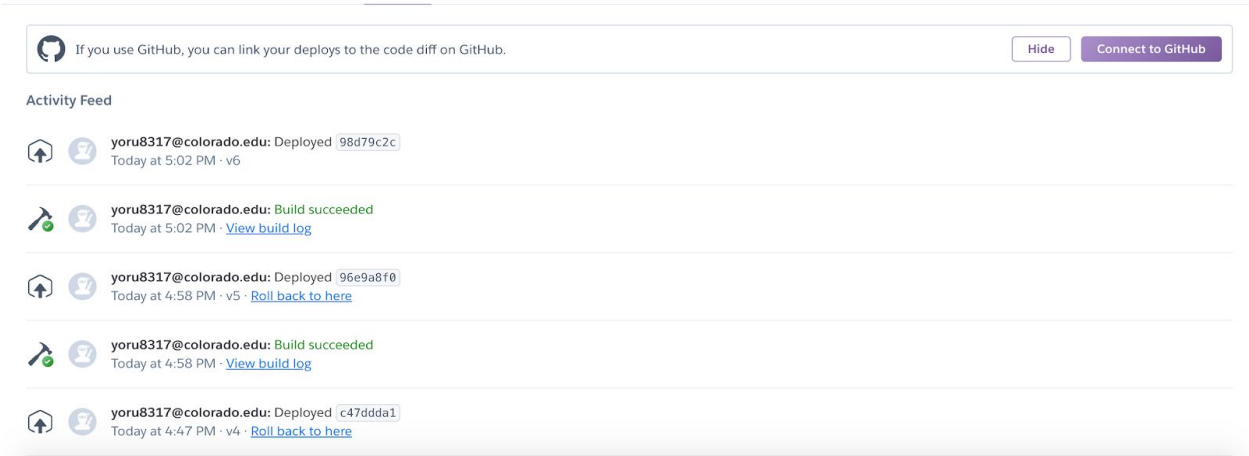
Drishan Sarkar: I was mainly focused on the architecture for Valence. We used a basic node.js script, with the help of Spotify's Web API quick start guide, that performs the Client Credentials oAuth2 flow to authenticate against users' Spotify Accounts. I created a database with postgreSQL that was intended to store information like comments, playlists, and songs into our back-end. We are currently using Spotify's pre-existing database for this task instead of storing it locally. My work is located under the valence-db branch.

Jack Kelly: My contribution to this project was the login page (index.html) that allows a user to log into their Spotify account so we could use the api to display various things from their profile. The page would then direct to the homepage after a successful login. I was also responsible for setting up the client token to access the spotify api so we could use the end points through the api. I also worked on the account.html page that would display various of the users information.



Deployment: Instructions are on the README.md



Heroku: https://valence-final.herokuapp.com/