

Moodify

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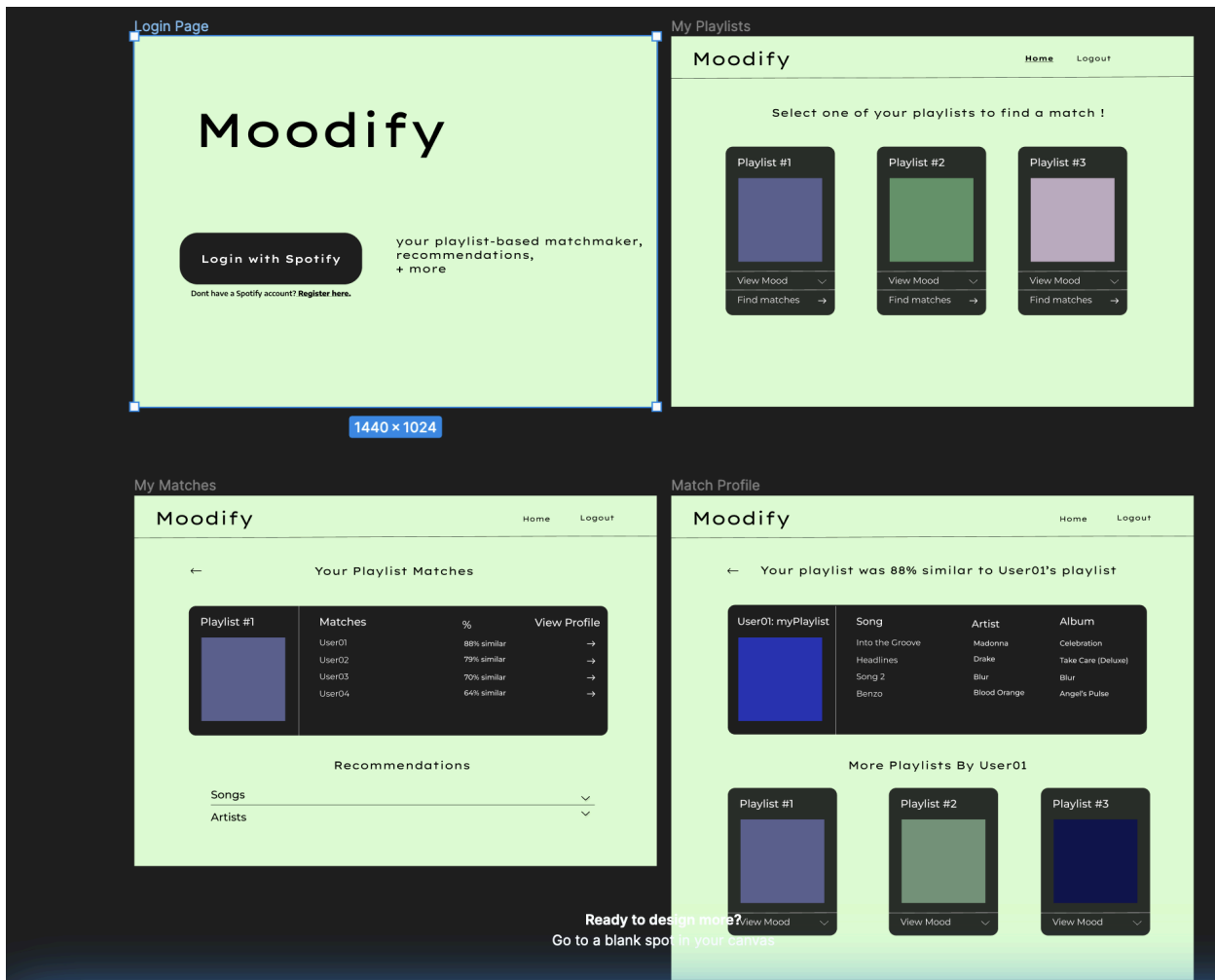
Project description: The most common of our group's daily activities is listening to music on Spotify and we all feel like it is a big challenge to share personal playlists with others when people know some amazing artists and music. That is the basic point our group came to, that we can use the knowledge we learned from our course to design an application with the ability to connect people's playlists with others and tell someone more about their playlists. Our group thought of designing an application named "Moodify" where Spotify users might connect their accounts with other users through their playlist features by our design. We would define the different types of songs based on their moods and the five moods our group classified were euphoric, sad, peaceful, dramatic, and romantic. Each playlist would have a specific label and the label would represent the mood of that playlist, there would also be audio features that are averaged and displayed on each playlist dashboard such as track danceability, energy and valence. Our application will collect the data from Spotify and match up users if they have similar music tastes and users can choose to exchange their playlists with others. Our group believes Moodify has the ability to enrich users' playlist content and make artists much more influential since their music is known by more people.

Github Repo Link: <https://github.com/harikakondur/moodify.git>

Github Project Board: <https://github.com/users/harikakondur/projects/2>

Video Demo: <https://github.com/harikakondur/moodify>

Wireframe:



UAT testing:

Testing ability to log in with Spotify:

Harika	yes, works well
Yufan	yes, but sometimes the connection is not stable
Renesh	yes, issues with generating pages but got it to work.
Deanna	yes, no trouble setting up
Mario	yes, everything works well
Brook	yes, the login page looks good

Displaying playlists (we changed it from carousel to cards):

Harika	yes, need a longer time to connect
Yufan	yes, restart the browser to solve problems
Renesh	yes, take a refresh or two to work.
Deanna	yes, takes some refreshes to get all playlists
Mario	yes, playlists show up well
Brook	yes, no issues

Matching playlist:

Harika	yes, no problems
Yufan	yes, works well for me
Renesh	yes, matches for me
Deanna	yes, some bugs to work out
Mario	yes, matching perfectly
Brook	yes, no issues

Deployment:

Run docker-compose up in the terminal in the Moodify directory and then type localhost:3000 to run the website.

Contributions:

- Renesh: I wrote most of the SQL database and assisted on the javascript in this project. The SQL database wasn't hard as all I had to do was create tables for it. Javascript was where I encountered most of my problems. There was an issue where my page won't generate as one of my Spotify playlists didn't have a picture associated with it so I had to add a conditional that solved the problem.
- Mario: I worked on the front end part of the project ensuring each page was functional/reactive and looked the way we had it on the wireframe as much as possible. These tasks were all in HTML and CSS focusing on layout adjustments, styling

consistency, and interactive elements. This process included implementing responsive design principles to guarantee optimal viewing across the entire website.

- Deanna: I worked on the back end with Harika and helped create the generateMood function for each playlist and how to call on the API to return audio features for the playlist. I helped facilitate the master list of tasks to get done for the project and guided the conversation on who would be doing what in order to follow a relative timeline that would allow us to finish our projects on time.
- Yufan: I worked with Renesh together to create the SQL table and database, and also worked on finding a solution to do some insert stuff to our database. Otherwise, I worked on the presentation and project report with our team members together to make sure we are at the same page during the project process and finished them on time.
- Harika: I worked on the majority of the backend for features such as Spotify authorization, login, registration, logout, displaying the user's playlists, matches, stats, etc. I also helped with setting up the github repo, matching functionality, designing the wireframes, debugging the front end, and assisted with merge conflict resolution.
- Brook: I mainly worked on the front end part of the project. I created the landing page and made styles for the layout of every page. Additionally I created the user page, and helped Mario design the playlist page. I mainly used CSS for the styles, and HTML for the format of the page. Handlebars helped reduce redundancy as we created more pages.

Use Case Diagram:

