MusicFriend
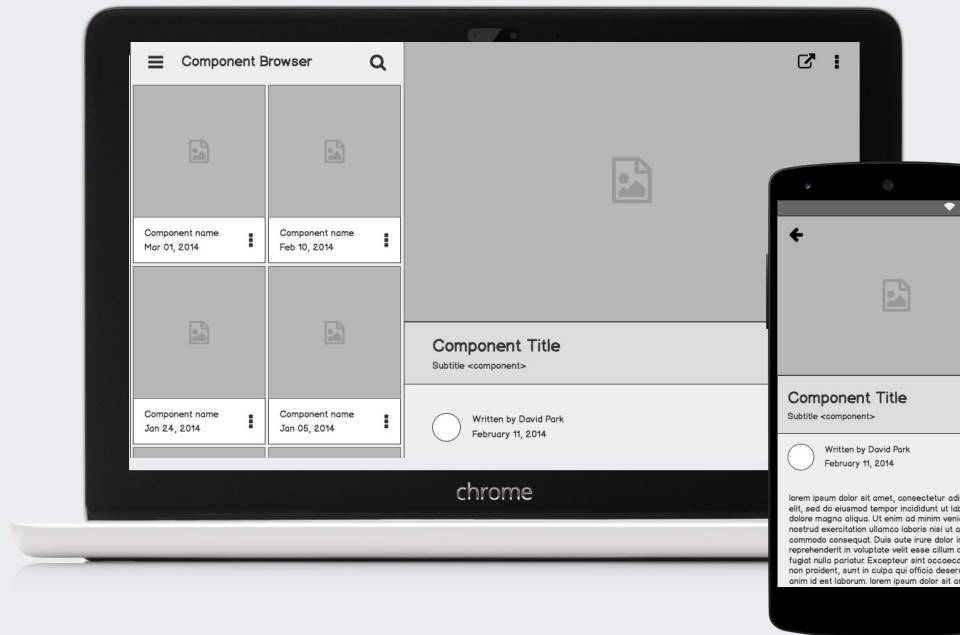
APPLICATION TO MAKE MUSICAL

RECOMMENDATIONS BASED ON USERS'

PERSONAL PREFERENCES

Outline

The Problem

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Meeting new people can be time consuming and challenging for some people

- Before meeting someone, you know exactly nothing of that other person.
- With MusicFriend, you can see what you have in common with other people before you talk to them.

Solution Proposal

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- With MusicFriend, we plan on bringing people together to explore the world of music with others and creating a friendship along the way.

- You are able to travel the world and find someone with similar interest nearby.

Web Application Features

Features

- User Profile
- Concert Calendar
- Concert Ticket Purchasing
- Similar Artists/Bands Recommendations
- Adding/Following Other Users
- Single/Group Messaging

User Profile

- Basic information such as
    - Name
    - Birthday
    - Contact number
    - Email
    - City and state
    - Gender
    - Spotify account

Concert Calendar

- Contains concert info for artists/bands saved in their Spotify account
- Hyperlink to Bands in Town page to purchase tickets will be added to each showing

Concert Ticket Purchasing

- Displays in a list view the concert offerings
- Can be toggled to be seen as:
  - Dates (soonest to most far out)
  - Area
  - Genre
  - Etc.
- Will also take them to the Bands in Town page where they can further purchase tickets

Similar Artists/Bands Recommendations

- Will suggest artists/bands that in the same genres as their favorite artists/bands to broaden their musical horizons
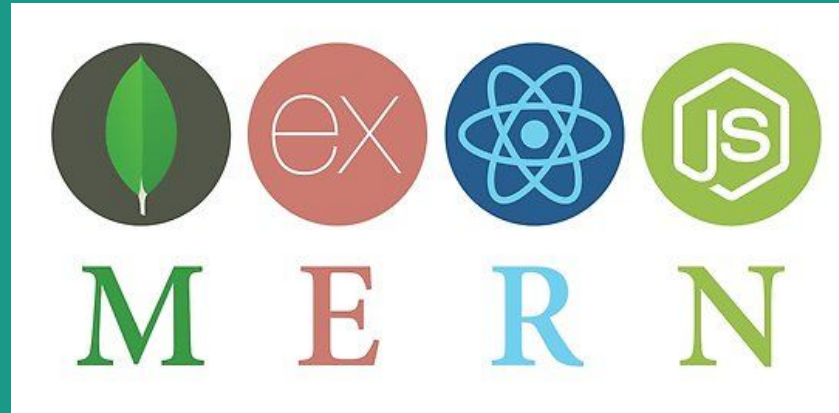
Adding/Following Other Users

- The user can follow or add users in/outside their area with the similar taste in music
- Gives them to opportunity to meet people they would've never knew were in their area
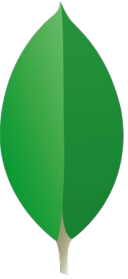
Single/Group Messaging

- Individual chat messages can be sent and group messages can be sent
  - Groups can be formed for certain artists/bands or tours
  - Can send memes and music links for songs that will connect and open in spotify
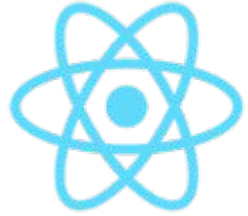
Technologies

MongoDB

➔   A document-oriented NoSQL database

➔   Will be utilized to efficiently store large quantities of personal user information

Express.js

➔   A server framework specifically designed for Node.js

➔   Will be utilized to handle connections and requests from the web application via a RESTful

      API

React.js

➔   A widely used client-side JavaScript library for building web applications

➔   Will be the basis for development for this web application

Node.js

➔   A JavaScript runtime platform built for running JavaScript apps in the back-end

➔   Will be utilized as a server platform for the web application and serve queries to the

database

API's

- Spotify API
  - Will allow access to user data and info about their music library
- Bandsintown API
  - Will provide info about an artist's event
  - Will allow necessary metadata for artists

Copyright

We do not need a license to play previews of the music or for any music in our web app.