cadence

Daniel Nunez - Project Manager
Simon Romero - UI/UX Designer
Zachary Haag - Quality Assurance
George Larres - Backend Developer
Justis Mencarelli - Frontend Developer
Joshua Vargas - Frontend Developer

Purpose

Cadence is a personalized dating platform that aims to match users by analyzing their musical preferences to create matches that have a high probability of compatibility.

Features

The ability to login to and manage an account with information such as gender, age, sexual preference, favorite genre, and favorite artist.

Matchmaking that prioritizes location, sexual preference, and musical preference to provide matches with high compatibility.

The ability to send messages between users that have matched.

The ability to link a user's Spotify account to their account to allow for the platform to use their Spotify data to determine their favorite artists and genres.
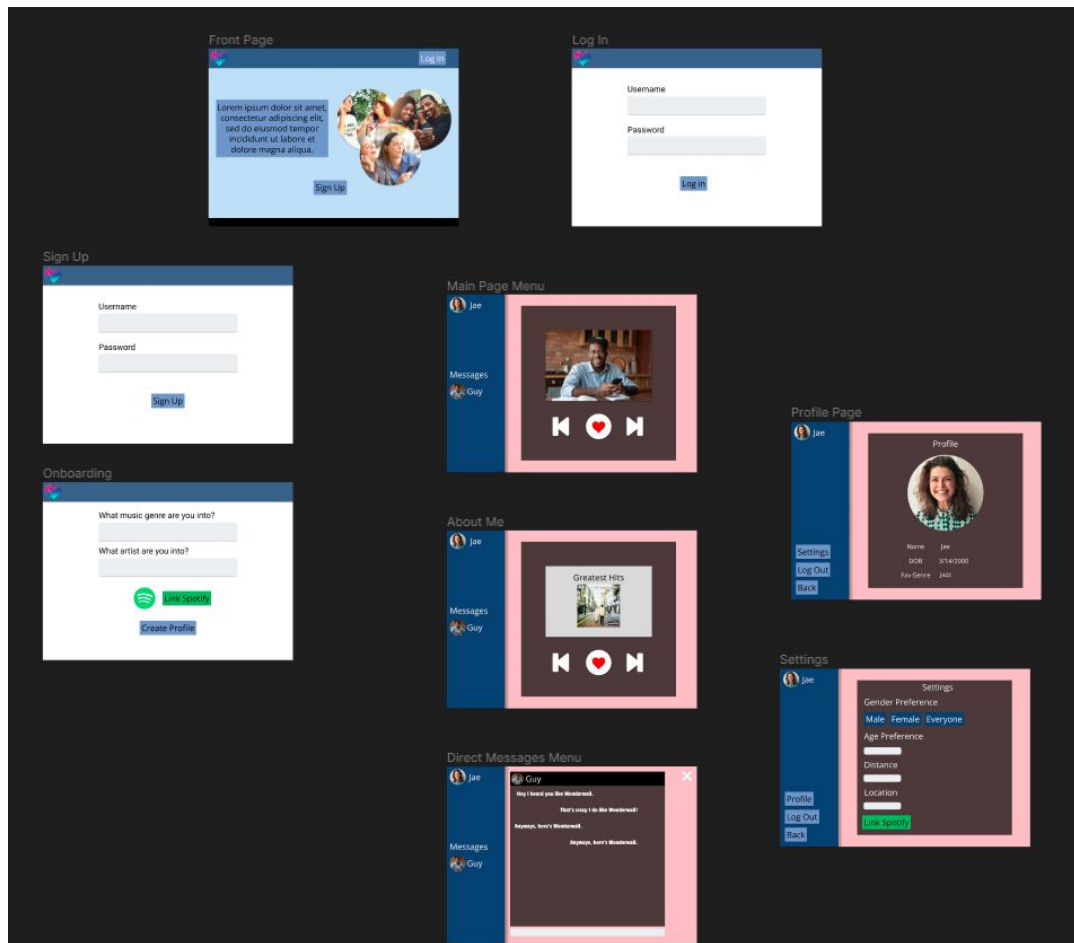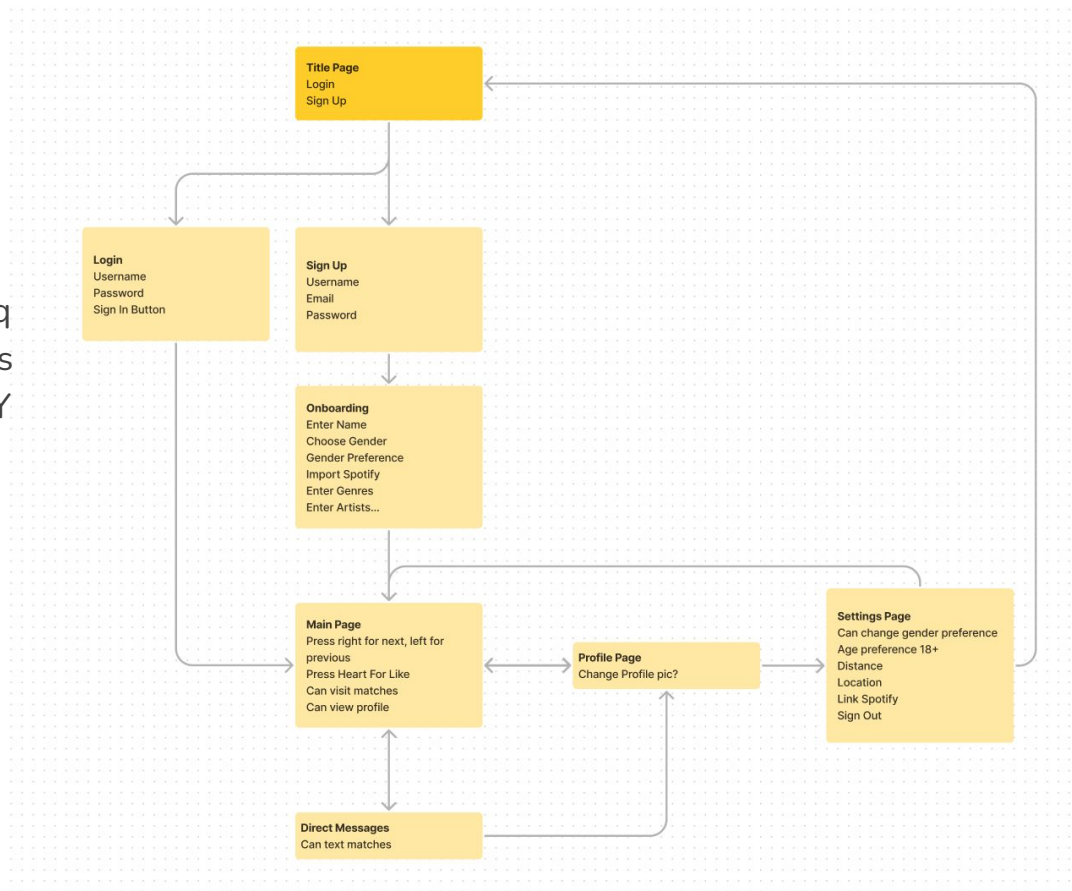
Systems

JavaScript

HTML

CSS

MongoDB

Spotify API

Design

User Flow

https://www.figma.com/file/kTCnjvfq7vKq
poVVnl8zv9/Music-Dating-App?type=des
ign&node-id=17-22&mode=design&t=7Y
DlVhghFB2BMW9H-0

Title Page
Login
Sign Up

Login
Username
Password
Sign In Button

Sign Up
Username
Email
Password

Onboarding
Enter Name
Choose Gender
Gender Preference
Import Spotify
Enter Genres
Enter Artists...

Main Page
Press right for next, left for
previous
Press Heart For Like
Can visit matches
Can view profile

Profile Page
Change Profile pic?

Settings Page
Can change gender preference
Age preference 18+
Distance
Location
Link Spotify
Sign Out

Direct Messages
Can text matches

Class Diagram

User *(italic)*

- -ID
- -Name
- -Email Address
-
- -Location
- -Age
- -Gender
- -Sexuality
- -Genre
- -Artist
- -Match ID

- SetFavoriteGenre(string title
- SetFavoriteArtist(string title)
- SetSexualPreference(string pref)
- SetAge(int age)
- SendMessage(int matchId, string message)

Database

- Users
- Genres
- Artists

- GetArtistGenre()
- GetSubgenres(string genre)
- GetMasterGenre(string genre)

0..*   0..1

Matchmaking

- GetUserInfo()
- SortUsersByLocation()
- SortUsersBySexual Preference()
- SortUsersByMusical Preference()
- GetMatch()

Use Case Diagram

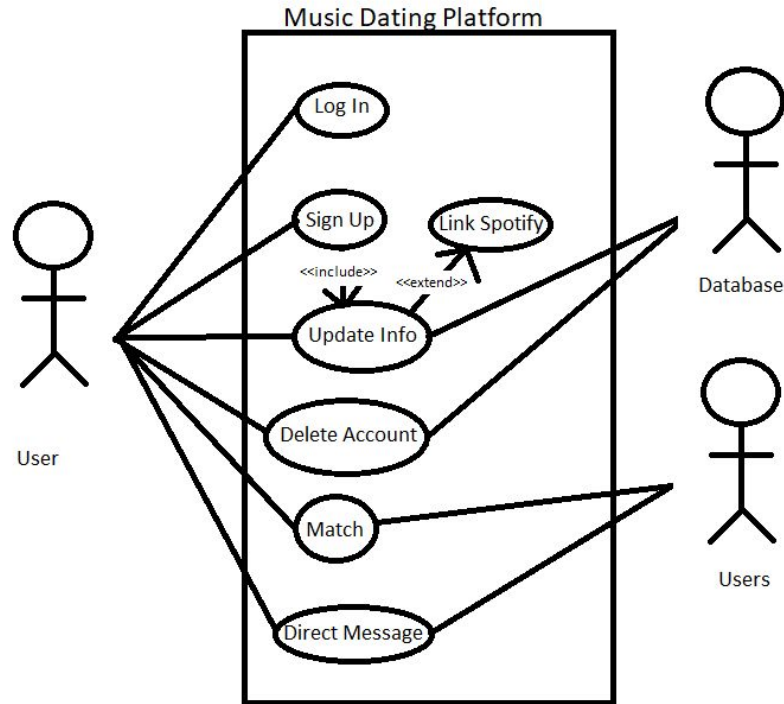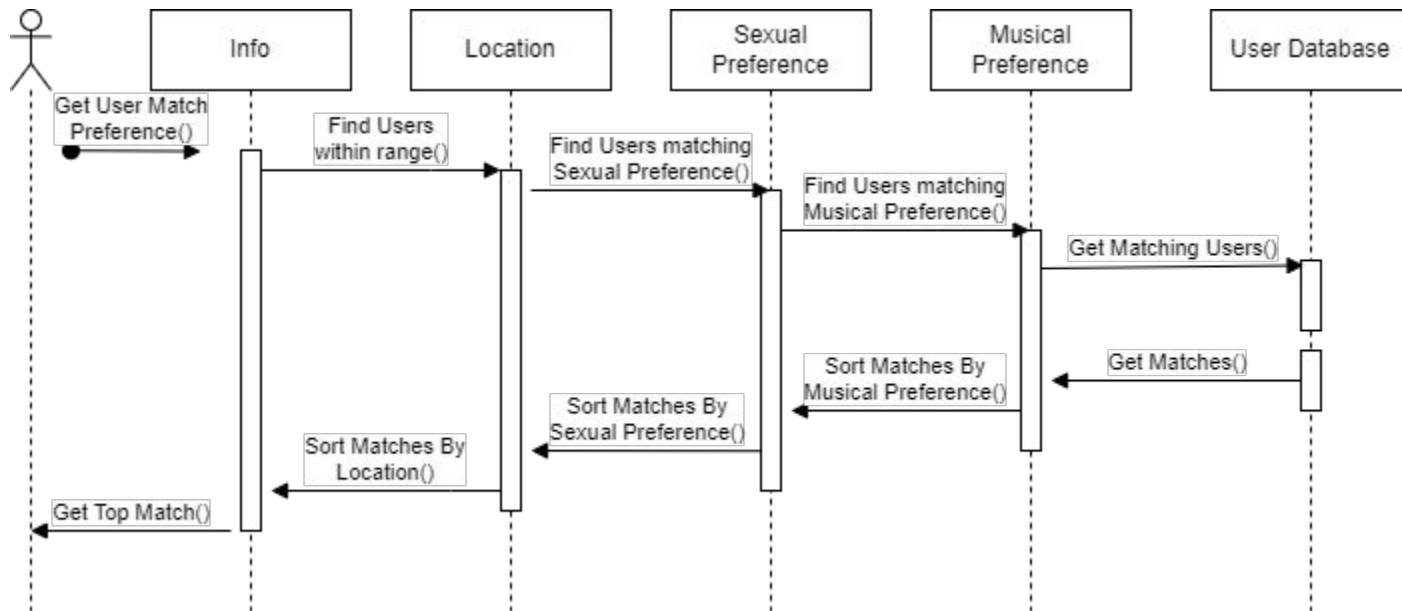# Matchmaking Sequence Diagram

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Single and Ready to Jingle