

Music Compromiser

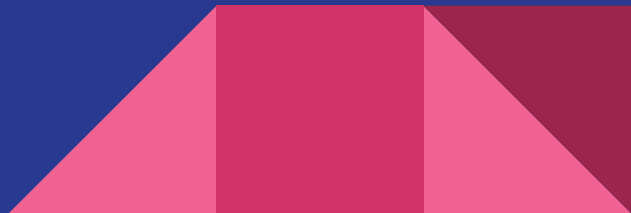
The app to stop all your road trip playlist arguments!

Presented by Benjamin Gur,
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CSCI 499 - Advanced Applications
2-26-20

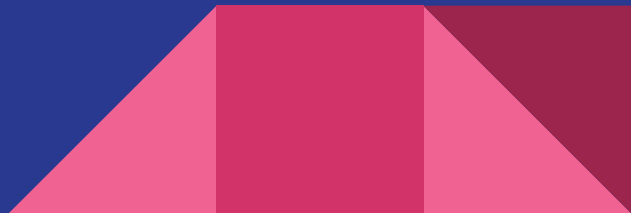
What is the *Music Compromiser*?

- You and your three friends are on a road trip or in a small party.
- One likes heavy metal, one likes songs from musicals, one likes country music, and one likes music in Spanish.
- The **Problem** is that you and your friends all got your Spotify playlists on your Android phones, but only one person gets to play their music!
- What do you do?



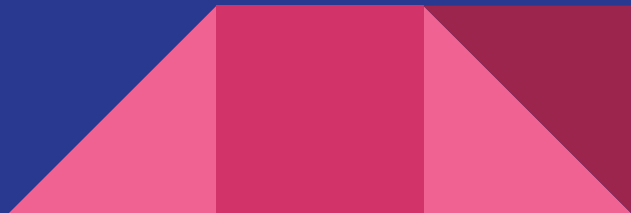
What is the *Music Compromiser*?

- You open up the *Music Compromiser*!
- Our proposed **Strategy** is for everyone to link their Spotify accounts together to make the playlist where no one is left out!
- And thus, our **Vision** will be achieved: the app will play music that everyone is happy with!



The Essential Features for a MVP

- Hosting capabilities!
 - QR code functionality!
- Synchronized playback capabilities!
- Playlist creation, consisting the users' favorite songs!
- A real-time voting system to skip or repeat!



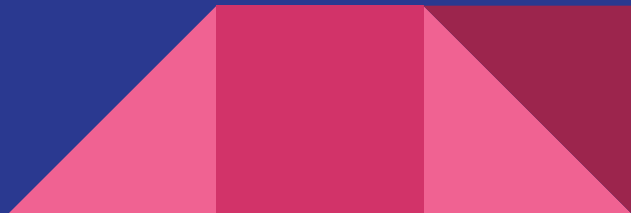
How does the *Music Compromiser* work?

- It is assumed that our **Users** have an Android device and use Spotify
- The app will use Spotify's API to lookup all relevant information of the users and make a playlist that satisfies everyone's musical needs!



How is the playlist going to be formatted?

- There are two types of playlists we plan to create via proprietary algorithm
 - Simple: the playlist will consist of songs at least one of the users have listened to before
 - Complicated: the playlist will act like Spotify, playing both songs previously listened to as well as songs the app would recommend



Song Title

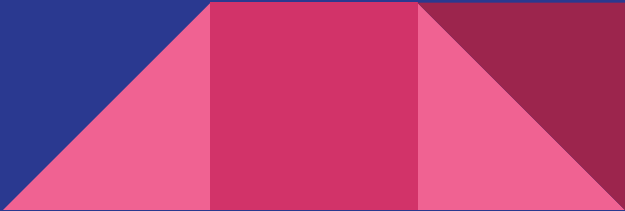
Artist

Album

Song from User 2	<div></div>	<div></div> <div></div>
Song from User 3	<div></div>	<div></div> <div></div>
Song from User 1	<div></div>	<div></div> <div></div>
Song from User 2	<div></div>	<div></div> <div></div>
Song from User 1	<div></div>	<div></div> <div></div>
Song from User 3	<div></div>	<div></div>
Song from User 1	<div></div>	<div></div>
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Song from User 3	<div></div>	<div></div>

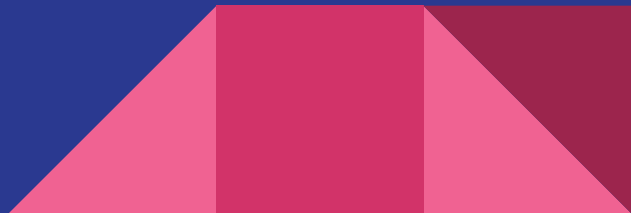
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But how are we going to connect every user?

- The app will connect to a web server, allowing users to link to each other
 - This will be accessed through Hosting via QR code!
- The web server will also be connected to a database to save past playlists and user information
- It will ALSO connect to the Spotify API



Host

Join

Past Playlists

You are now Hosting. Have
everyone else join by
scanning the QR code below.



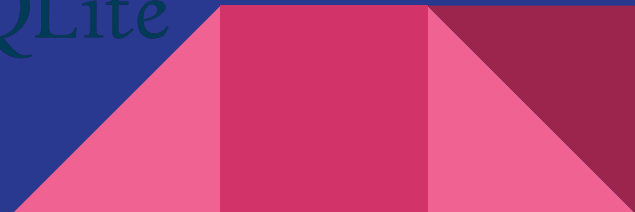
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What will we use to make *Music Compromiser*?

- Android Studio - Front End
- Flask - Web server
- Spotify - API
- MySQL - Database

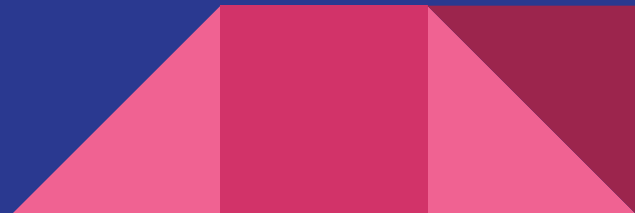


Flask



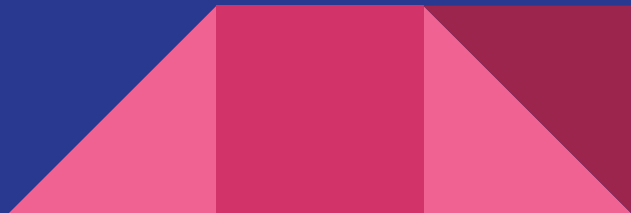
Complex Features Planned

- Bluetooth functionality!
- Viewing previous playlists!
- Playlist creation, based on users' preferences!
 - Which is different from just their favorite songs!



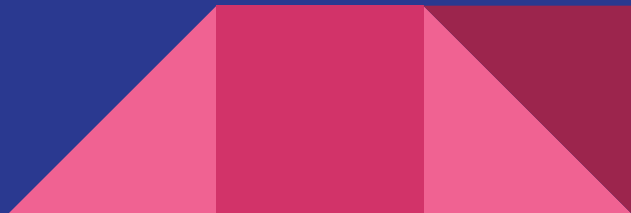
What Music Compromiser Aims to Achieve

- We deem that the app is successful with its **Goals** if:
 - Two users can enter their profiles, and the app will create a playlist with their preferences taken into account
 - Each user will be satisfied with the playlist created
- Extra goals:
 - The complex proprietary algorithm is properly implemented
 - Multiple users (>2) users can group up to create a playlist



What each person will contribute to the project

- Ryan
 - He will focus on organizing the database for the *Music Compromiser*
- Jeremy
 - He will develop the user interface for the actual app
- Benjamin
 - He will primarily be concentrating on the interactions between the Web Server and the Spotify API
- We will likely assist with each other's respective parts of the projects





Any questions?