

Team 19

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Project Name: Tuun

Project Synopsis

Web application for creating Spotify (and potentially Apple Music) playlists from songs shared between the libraries of a group of accounts, with the possibility of customizing results based on genre, tempo, etc.

Project Description

Project is being undertaken to ease the dynamic of diverse music tastes. The main objective would be to allow any social group to connect and instantly generate a playlist that pleases everyone.

Differing tastes in music makes it difficult to pick who should be in charge of playing music during social events. By pooling the top picks from each individual participating, we can allow everyone to enjoy the music being played. In addition to that problem, if you want to play relaxing or invigorating music there is no filter on Spotify to do so based on a user's liked songs. Another problem this project addresses is the fact that there is no way to select a genre of music based on a user's liked songs.

The end result of this project will be a web based application that will allow multiple people to join a room with their Spotify accounts. The application will collect data from their Spotify accounts and select music that everyone will be able to enjoy.

Project Milestones

- First semester:
 - Basic Web Server Implemented
 - Communication with Server to Database
 - Communication with Server to Front-end
 - UI for front-end complete

- Second semester:
 - Spotify authentication
 - Server Logs API Responses
 - Web Server Full Implementation
 - Server Logs Front-end Authentication
 - Estimated completion date for each milestone
 - Both implementation and documentation milestones

Project Budget

- Hardware, software, and/or computing resources
 - Domain Name, Web Server Hosts, Basic Security Service
- Estimated cost

- Domain Name: \$20/yr
- Web Host: ~\$5/mo
- Cloud flare: \$20/mo
- Pluralsight subscription for new web technologies: \$35/mo
- When they will be required
 - November 1st, 2019

Work Plan

- Who will do what
 - Adam: Server-side
 - Alex: Spotify & Apple Music API
 - Clay: Rails Expert
 - Miller: React & Rails
 - Marcus: React & Authentication