

Spotify World Tour
Capstone Project #2
Springboard Software Engineering Bootcamp

Tech stack: express, react, node

Description: This website will be an application that allows users to browse music from around the world. I plan to include functionality that allows users to navigate around a world map to select countries. When a country is selected, a playlist/or list of musicians will populate. Users can filter results based on other criteria.

Most of my inspiration comes from this app that has similar functionality but for radio stations: <http://radio.garden/>

Goals: I want to focus more on the front-end and user-interaction with this capstone project. In particular, I want to create a simple-to-use functionality with the world map/globe.

Target Users: This website's target users will likely be anyone really.

Data/API use: I will use the spotify API to browse music from various countries. For displaying a map, I will use Mapbox and add interaction for users to click a country, zoom to a specific region (eg: SE Asia, South America).

Challenges/Considerations:

Database Schema: If possible I am not going to use a database. There isn't a whole lot of information that I would really want to store on my own, because logged-in users will interact with their spotify account through the API. I want to use Passport (<https://www.passportjs.org/packages/passport-spotify/>) for users to login/be authenticated to their spotify account. If logged in, users can follow musicians, etc with different functions included in the spotify API.

I'll get most of my CRUD functionality by making calls to Spotify's database through the API. *I need to look a bit more into the Spotify API's terms of service regarding storing any user data. It might be convenient to store some user info (EG: a playlist ID from a playlist created on this app) so that it can be easily recalled if a user re-visits the site).*

Website structure: App will be close to a single-page app. Main page will appear as a large globe with a navbar, and some sort of sidebar that can be expanded and filtered to show music results.

User flow: Users can navigate around the map and click countries to generate music from a specific country.

Stretch goals: I'd like for users to be able to select several countries at once instead of just one. Main stretch goals will be to improve spotify functionality (creating playlists, adding to playlists, etc.).