Capstone 1 Proposal
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Project Name: 'Steepr'

Overview

This site will let users who are about to make a tea choose a genre of music and a length of time for steeping. Then, an embedded audio player will begin playing a random track selected from Spotify's API that meets these criteria. When the song is over, your tea is ready! Furthermore, logged in users will be able to save and label their Steeps. For example, "Sunday Morning" might be 'Folk Music' / 5 minutes for an English Breakfast tea, and 'Weekday Night' might be Classical / 2 minutes for a green tea.

API Data

A collection of random tracks that match the user's selected genre will be derived from Spotify's search endpoint: https://api.spotify.com/v1/search. They will then be filtered by their duration to match the user's selected steep time. Fortunately all of this information is available in the provided JSON data.

Database

There will be 2 databases; one for logged in users, and another for their saved Steeps.

API Concerns

The biggest issue I can see is dealing with the API Bearer Token. As of now I need to log in to my Developer account every so often to request a new token. Need to find a better way to stay authorized.
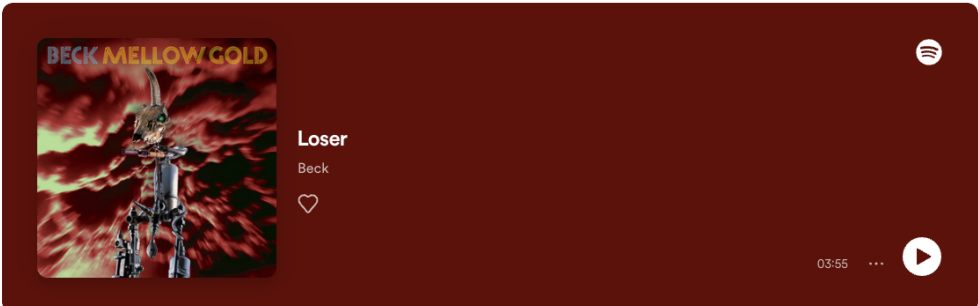
Security

User passwords will be hashed. Users will need to be logged in to a Spotify account to listen to songs in their entirety, so I'd like to include an embedded Spotify login window.

Current Test UI