Spotify Voting App

Name Pending

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# Overview

As Spotify power users, we would like a way to collaboratively vote on songs that should be in playlists.

# Workflow

## High Level

### Spotify Authentication

* Spotify api verifies application
* User allows app to access spotify

### Retrieve Playlists

* Send request to see playlists user has access to/
* Or user searches for playlist
* User selects playlist to load
* Display all songs within selected playlist
* For every song, see if song id is found in db, if it is get totals of up/down votes
  + If not found in db, no votes have been made on song

### Voting

* User upvotes or downvotes individual song
* Vote is sent as request to backend
* When a vote is placed, create a db entry
  + Db entry will contain song id, and increment value in either up or down vote column

### Extras

* Specific number of down votes will remove a song from playlist
* To keep track of users we could use local storage in browser

## Backend Design

### API Calls

getAuthUrl

-called if user is not already authenticated

-This will send user to a url to authenticate spotify

redirectUrl

-Called once users authorizes app to access their spotify

-Gets access token, refresh token

-Store tokens in db with user id

isAuthenticated

-call to check if user has been authenticated already

-search db filter on userid, see if token exists

getPlaylists

-can get a specific playlist

-can get users playlists

-get playlist cover image

-delete item from playlist

### API

getPlaylists

voteSubmitted

### Database Models

* Playlist
* Song

## Front End Design