

Final Project WriteUp

Application Information:

My react app folder is labelled “**playlist-creator**” and my server is called “**server.js**”. The other files in the folder must be included to access the Spotify server (client_credentials, etc). Both the Finals Deliverables folder and the playlist-creator folder need a **node_modules**. To run, cd to “Final Deliverables” folder and **node server.js/npm start playlist-creator**. My application uses a Spotify login so you need an account on Spotify. My project works like Spotify or Apple Music’s application where you search up a song, then have the ability to add it to a playlist or create a new playlist. The playlists are then viewable from the home page where you find all your songs and filter then by name or artist.

*The audio when recording off Zoom sucks so I wrote down some of the information in case it was not clear in the video

Functionality:

- Spotify Login
 - Obtains access token from Spotify account servers
 - Passed in through a router param
 - The user is routed to the home page
- App.js
 - Contains the router with all the route paths
- Home Page
 - Fetches from Spotify API to get unique user Id, and other info
 - Uses userId to GET all playlists matching the userId and passes the information to the playlist class for display
 - Calls getPlaylists() in server
 - Remove a playlist takes in the playlist name and user Id and passed it to a POST request that removes all documents matching the criteria
 - Search bar takes the input from the search bar and passes it into a fetch from the spotify api
 - Searches for songs by song name
 - Will not search if input is null
- Search Page
 - Passes information from fetch to Song.js to display the songs
 - If no songs match, a message will popUp
 - User has the option to add song to a playlist or create a new playlist
 - Passes in the playlist name, songId and userId to a POST and adds the song to the database
 - Checks if there are any playlists to add to, else user must create one
 - Checks if there is a value typed in creating a new playlist
 - Checks if the song has already been added to the playlist

- Done in server and server sends a response with a boolean
- Playlist Display
 - Passes userId and SongId to a POST request that finds all songs matching the information and displays it using Song.js
 - User can click the song to link to a preview or delete the song from playlist
 - Calls POST request and deletes one document
 - The filter either filters by song name or artist name
 - This is the reason song name and artist are in the database

Wish to do better:

- Search by artist name as well as album in the search bar
- Create more filter options by pulling more information from the Spotify api
- Have some preview cover arts or song names in the playlist view