**Jamming – React App**

A react application called jamming by using react components, passing state and requests with the Spotify API to build a website that allow user to search the Spotify library, create a custom playlist and save it to their Spotify account. We can also remove the song from playlist. The project is divide into 13 sections. It will use following functionalities:

* Use JSX and basic react syntax
* Pass information between react components using props
* Manage component data with React State
* Interact with third party API

**Section – 1 Create React App**

This section walks you through the process of setting up the directory structure and adding CSS presets. It will setup all the react files in public folder. It creates the title and set the favicon icon inside the public folder by replacing it with other.

Section – 2 Create static components

The app contains 6 components, first we create a java-script file and CSS file for each of six components.  the JSX for one component renders another component. The HTML and CSS for each of six components are:

* App
* Search bar
* Search Results
* Play List
* Track list
* Track

**App Component for HTML and CSS**

It contains all display content and each component is defined separately. Every component has two files with CSS and JS. It contains react component and JSX content to display within it export each java-script file and import in App file.

Section – 3 Pass down Search Result and Render Result list

In this step we use constructor, state, props and map to load the song name artist and album search by user. The constructor use state where we define all data in array. After that props the name in track list component and map it with search result. Finally props the display in the track.

Section – 4 Pass down Play List to Track List

The section contains the making of playlist. It is just like section three only difference is that it props track list by itself. Create array object of tracks in constructor state, then state it in playlist component and props it inside playlist java script file.

Section – 5 Add Track to Playlist

In this part we will make plus sign in work. It is use to add and remove song from playlist.

**Section – 6 Remove Track from Playlist**

In this part the songs will be removed from play list by minus sign. It creates method bind it in constructor then pass it to other components as attribute by using props.

## Section – 7 Change the Name of a Playlist

The simple step to change playlist name by creating method bind it in constructor, and pass it in component by a name. Then pass that name to playlist by making method and props it.

## Section – 8 Create a Method that Saves the Playlist to a User's Account

## To accomplish the goal of this assessment, we will need to access a track property named URI. The URI will access in Spotify by using track menu.

## Section – 9 Hook up Search Bar to Spotify Search

## The logic that allows a user to enter a search parameter, receives a response from the Spotify API, and updates the search results state with the results from a Spotify request.

## Section – 10 Obtain a Spotify Access Token

## This is long step that is done by using and accessing Spotify URI and accounts data. It creates a new file with Spotify name. that file contains all URL and get access to Spotify user’s success token, search request to Spotify API and save user playlist to Spotify account.

## Section – 11 Implement Spotify Search Request

## It contains a very complex process that I can’t understand I just copy and paste the code by instructions.

## Section – 12 Save a User’s Playlist