CWA Final Project Component Analysis

# Views

## Home.jsx

**Purpose**: To serve as a main menu for the application.

**Related Components**: Links to LocalLibrary.jsx and SpotifyLibrary.jsx via buttons.

**Expected Props**: N/A

**State Variables**: N/A

## LocalLibrary.jsx

**Purpose**: To display and play tracks in the application’s local storage.

**Related Components**: Links to Home.jsx via a button and displays multiple instances of LocalTrack.jsx.

**Expected Props**: N/A

**State Variables**: ‘source,’ which is the local path to the track, and ‘currentSong,’ which is an array containing the track’s title and artist.

## SpotifyLibrary.jsx

**Purpose**: To display and play tracks queried by the user from Spotify.

**Related Components**: Links to Home.jsx via a button and displays multiple instances of SearchResults.jsx.

**Expected Props**: N/A

**State Variables**: ‘preview,’ which is the url to the song’s Spotify preview, and ‘currentSong,’ which is an Object containing the track’s title, album and artist.

# Components

## LocalTrack.jsx

**Purpose**: This component displays the local tracks stored in src/assets/

**Related Components**: Multiple instances are displayed on LocalLibrary.jsx.

**Expected Props**: name, artist, duration, listens, source

**State Variables**: N/A

## SearchResult.jsx

**Purpose**: This component displays the song results of the search bar, which would query Spotify’s API.

**Related Components**: Multiple instances are displayed on SpotifyLibrary.jsx.

**Expected Props**: previewUrl, song, album, artist, duration

**State Variables**: N/A

## MusicPlayer.jsx

**Purpose**: To serve as a visual music player for a currently playing track.

**Related Components**: It is displayed on LocalLibrary.jsx and SpotifyLibrary.jsx to display their respective tracks.

**Expected Props**: currentSong, url and artist

**State Variables**: N/A