React Spotify Clone - Code Explanation

# 1. App.js - Main App Logic

import React, { useState } from 'react';

➡️ Imports React and the useState hook to manage component state.

import './App.css';

➡️ Imports the CSS file for styling.

import Login from './Login';

➡️ Imports the Login component.

import Header from './Header';

➡️ Imports the Header component.

import SideMenu from './SideMenu';

➡️ Imports the SideMenu component.

import Content from './Content';

➡️ Imports the Content component.

import Footer from './Footer';

➡️ Imports the Footer component.

function App() {

➡️ Defines the App component.

const [loggedIn, setLoggedIn] = useState(false);

➡️ Tracks if the user is logged in.

const [username, setUsername] = useState('');

➡️ Stores the username.

const [selectedMenu, setSelectedMenu] = useState('Home');

➡️ Stores the selected side menu option.

const handleLogin = (user) => { setUsername(user); setLoggedIn(true); };

➡️ Handles login logic.

const handleLogout = () => { setLoggedIn(false); setUsername(''); setSelectedMenu('Home'); };

➡️ Handles logout logic.

if (!loggedIn) return <Login onLogin={handleLogin} />;

➡️ If not logged in, show the Login page.

return ( <Header username={username} onLogout={handleLogout} /> ... );

➡️ If logged in, show Header, SideMenu, Content, and Footer.

export default App;

➡️ Exports the App component.

# 2. JSON Files - Data Source

* artists.json:

• Stores artist names, images, and songs.

• Used in the "Artists" and "Search" sections.

* liked.json:

• Stores liked albums and audio paths.

• Used in the "Liked" section.

* images.json:

• Stores premium album image paths.

• Used in the "Premium" section.

# 3. App.css - Styling

body {...}

➡️ Sets dark background, white text, and removes default margin.

header {...}

➡️ Styles top header with space between logo and user info.

side-menu {...}

➡️ Sets width and dark background for left-side navigation.

main-content {...}

➡️ Holds main screen content (cards, search, etc.).

card-grid {...}

➡️ Arranges cards in a grid with gap.

card {...}

➡️ Card background, padding, hover effect.

login {...}

➡️ Centers the login form on the screen.

search-input {...}

➡️ Styles the search input bar.

button {...}

➡️ Green, rounded buttons like Spotify.