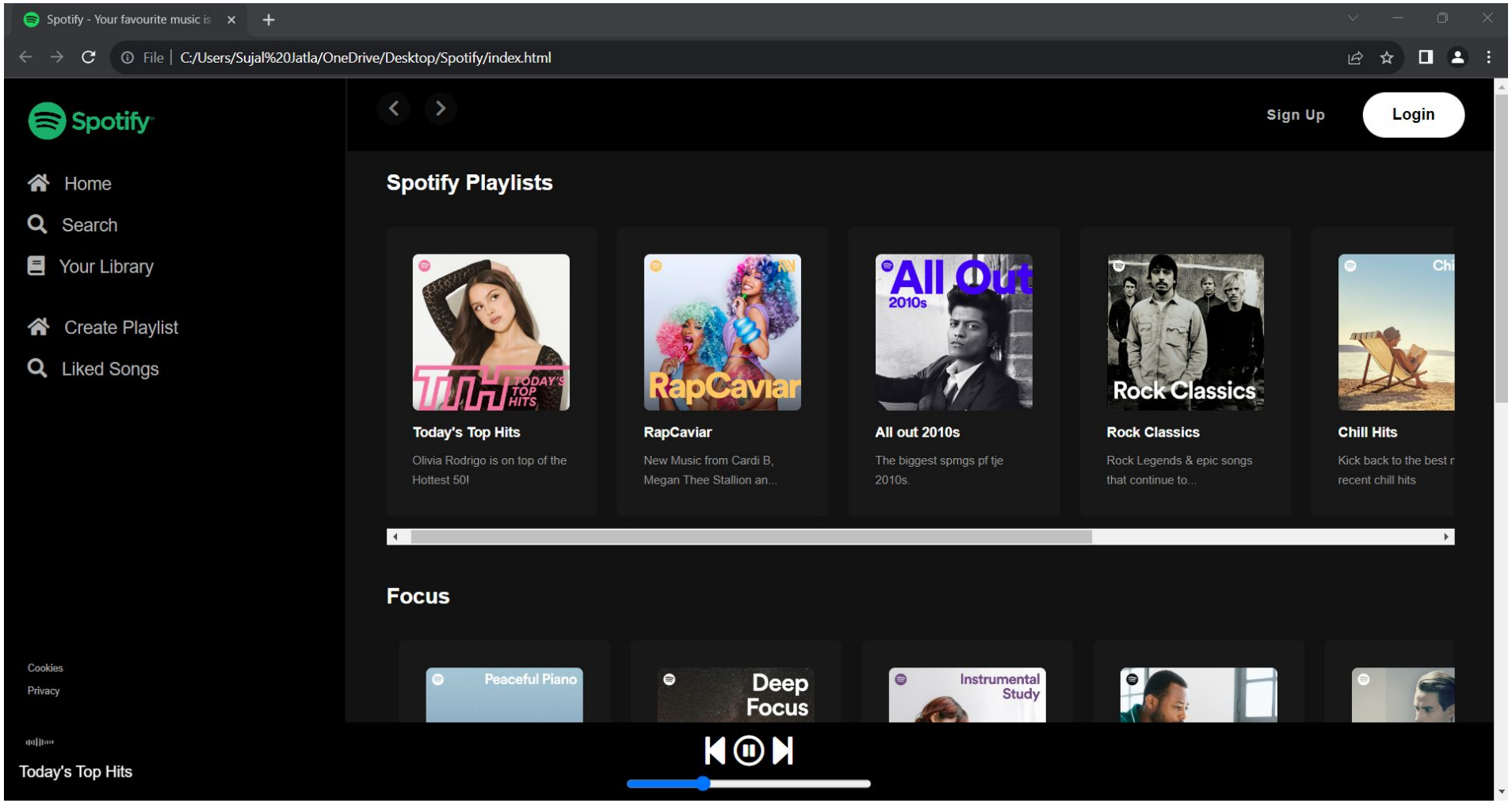
REVA UNIVERSITY
Bengaluru, India

School of Computing and Information Technology

Web technology project

By: **Sujal Jatla [R21EQ046]**

SPOTIFY


Spotify - Your favourite music is
File | C:/Users/Sujal%20Jatla/OneDrive/Desktop/Spotify/index.html
Spotify
Home
Search
Your Library
Create Playlist
Liked Songs
Cookies
Privacy
Today's Top Hits
Sign Up
Login
Spotify Playlists
Today's Top Hits
Olivia Rodrigo is on top of the Hottest 50!
RapCaviar
New Music from Cardi B, Megan Thee Stallion an...
All out 2010s
The biggest spmgs pf tje 2010s.
Rock Classics
Rock Legends & epic songs that continue to...
Chill Hits
Kick back to the best r recent chill hits
Focus
Peaceful Piano
Deep Focus
Instrumental Study

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ABSTRACT

- A **SPOTIFY** Website using *HTML*, *CSS* and *JavaScript*.
- **Audio Playback Controls:** Provides familiar audio playback controls, including play, pause, skip, and volume adjustment, replicating the Spotify playback experience.
- **Smart Recommendations:** Integrates an algorithm-driven recommendation system for suggesting new music based on users' listening history.
- A website with interactive UI(User Interface)
- Full functional practical website.

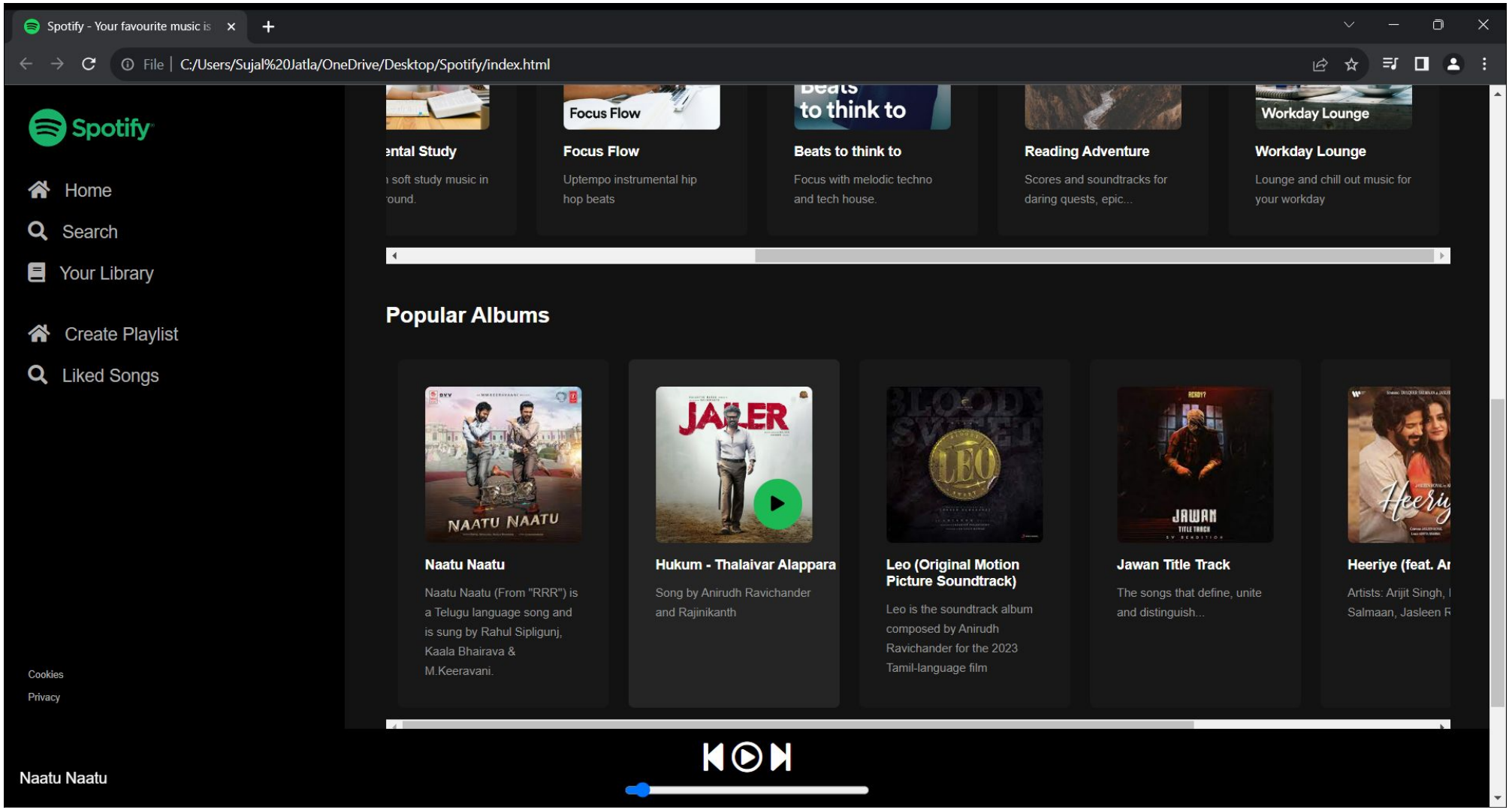
INTRODUCTION

- This music streaming platform is a vibrant space designed to echo the seamless and personalized experience reminiscent of Spotify, providing users with an immersive and intuitive platform for discovering, creating, and enjoying their favorite tunes.
- Explore a vast and diverse music library that spans across genres, ensuring there's something for every musical taste.
- Immerse yourself in a visually appealing platform, capturing the aesthetic essence of Spotify while offering a customized and engaging interface.
- Join us in this musical adventure where every beat, playlist, and recommendation resonates with the uniqueness of your personal musical taste. Welcome to a world where your journey is as distinctive as the melodies you discover and create.

OBJECTIVES AND PROBLEM DEFINITION

- The objective of our project is to create a music streaming platform that closely replicates the seamless and user-centric experience of Spotify. The existing market lacks a comprehensive solution that combines an extensive and diverse music library with intuitive navigation, smart recommendation systems, and secure user authentication. We aim to bridge this gap by developing a platform that not only mirrors the familiarity of Spotify's design but also introduces innovative features such as social engagement elements, offline listening capabilities.

SYSTEM DESIGN



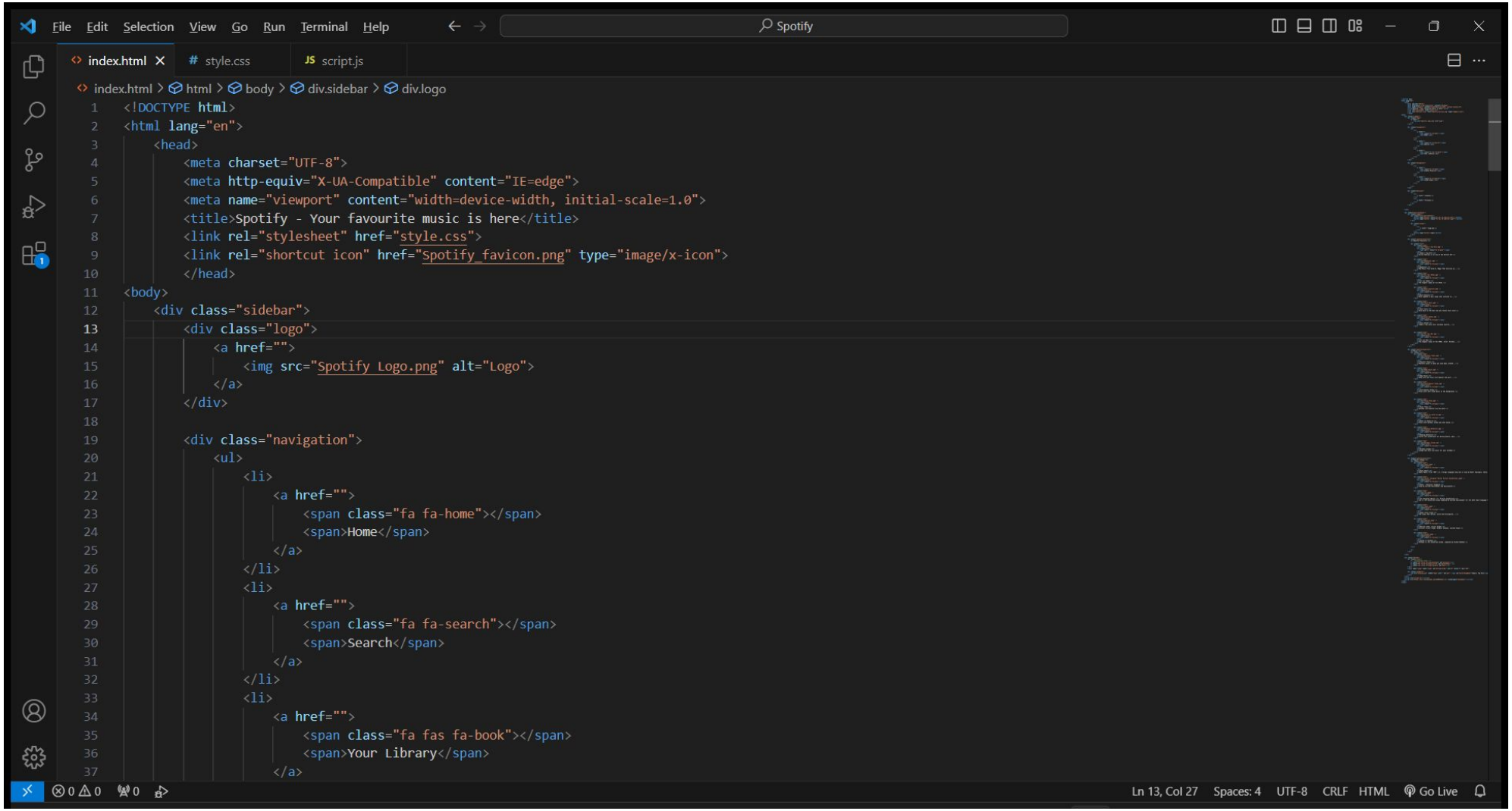
SYSTEM REQUIREMENTS

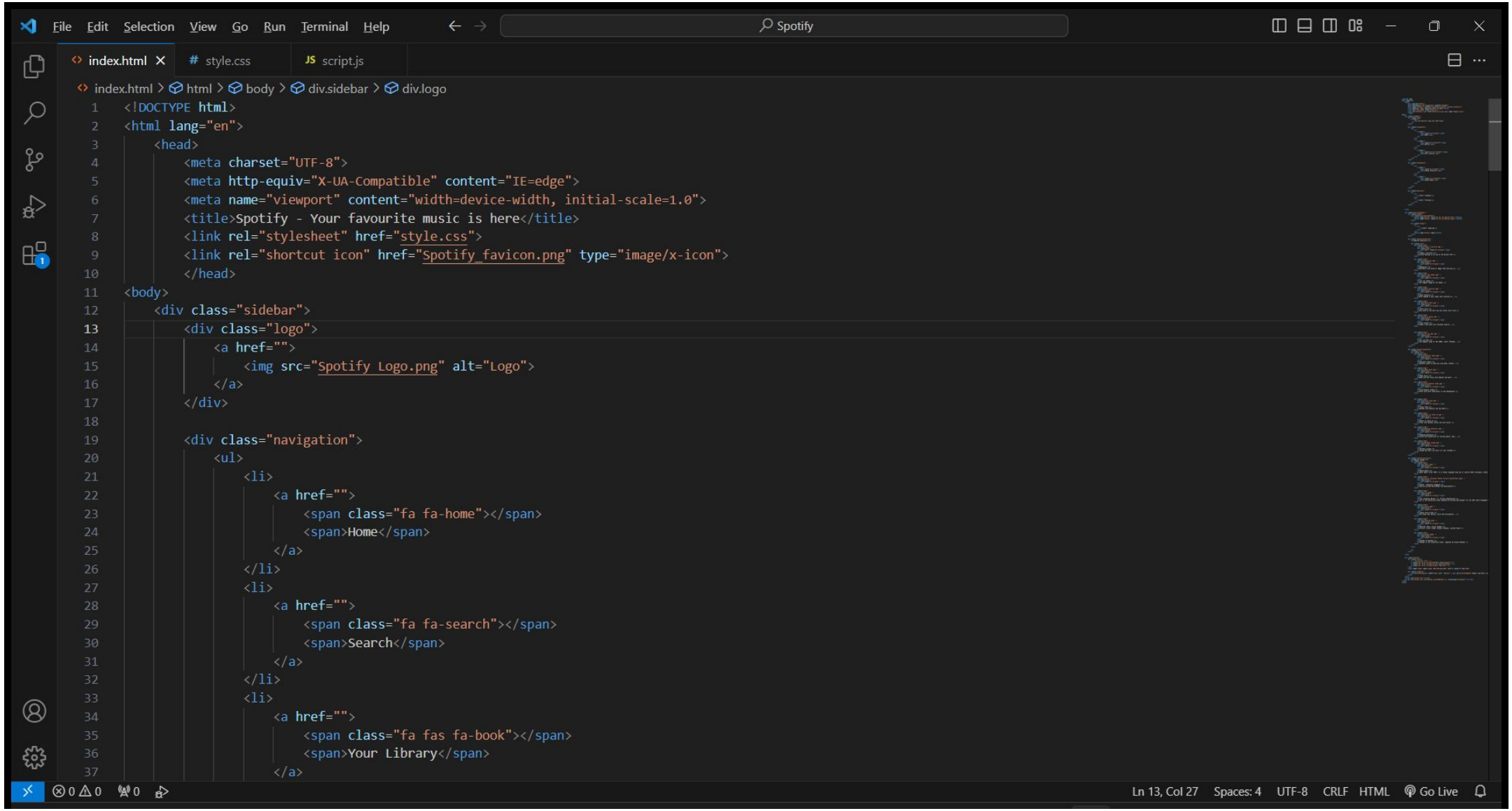
- **Platform Compatibility:** Ensure compatibility across major operating systems such as Windows, macOS, iOS, and Android.

- **Internet Connection:** Require a stable internet connection for real-time music streaming and content updates.

- **Browser Support:** Support popular web browsers like Chrome, Firefox, Safari, and Edge for web-based access.

IMPLEMENTATION




File Edit Selection View Go Run Terminal Help
Spotify
index.html
style.css
script.js
index.html > html > body > div.sidebar > div.logo
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Spotify - Your favourite music is here</title>
<link rel="stylesheet" href="style.css">
<link rel="shortcut icon" href="Spotify_favicon.png" type="image/x-icon">
</head>
<body>

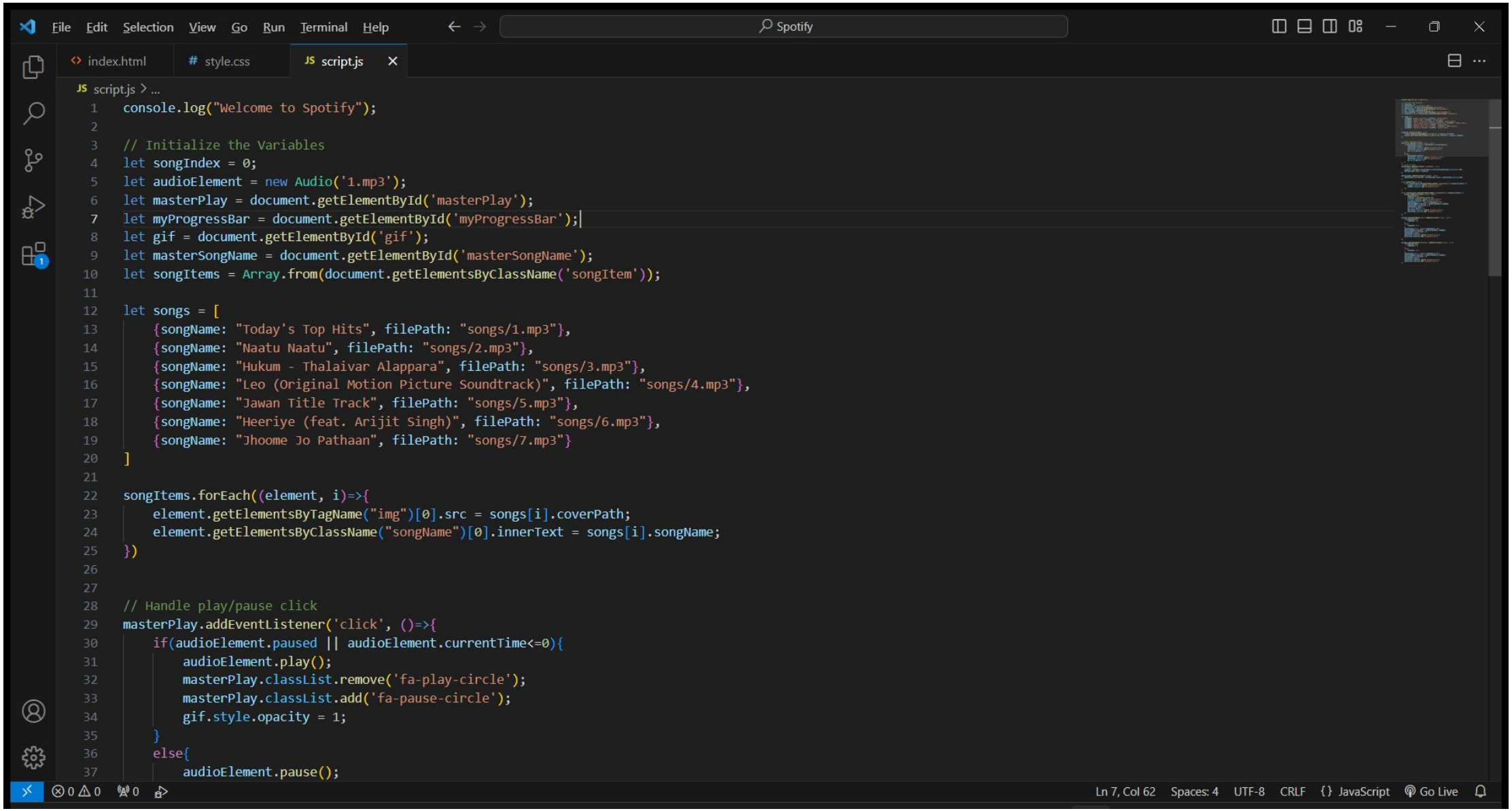
<a href="">
<img src="Spotify_Logo.png" alt="Logo">
</a>

<ul>
<li>
<a href="">

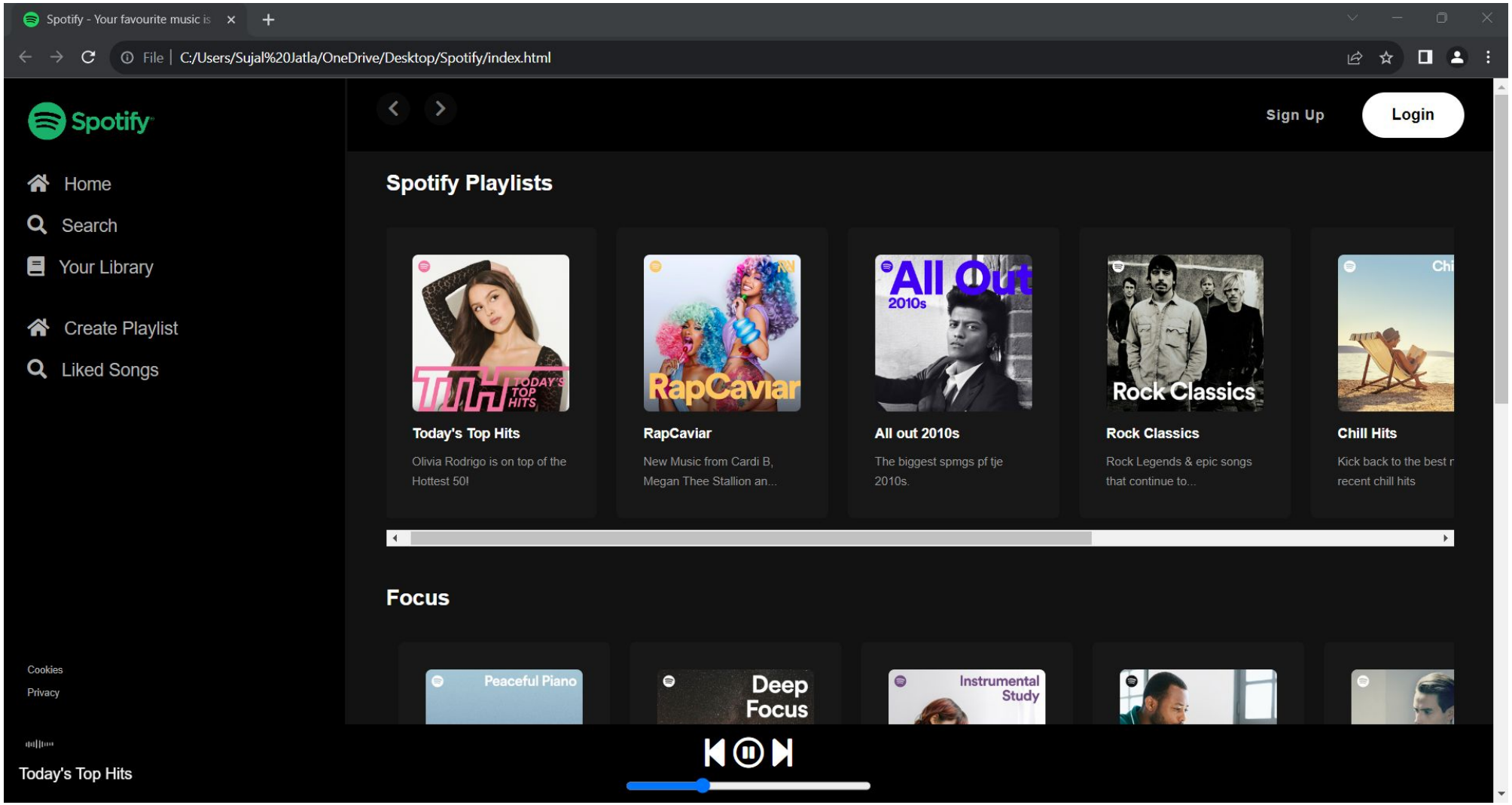
Home
</a>
</li>
<li>
<a href="">

Search
</a>
</li>
<li>
<a href="">

Your Library
</a>
Ln 13, Col 27
Spaces: 4
UTF-8
CRLF
HTML
Go Live


File Edit Selection View Go Run Terminal Help
Spotify
index.html
style.css
script.js
script.js > ...
1 console.log("Welcome to Spotify");
2
3 // Initialize the Variables
4 let songIndex = 0;
5 let audioElement = new Audio('1.mp3');
6 let masterPlay = document.getElementById('masterPlay');
7 let myProgressBar = document.getElementById('myProgressBar');
8 let gif = document.getElementById('gif');
9 let masterSongName = document.getElementById('masterSongName');
10 let songItems = Array.from(document.getElementsByClassName('songItem'));
11
12 let songs = [
13 {songName: "Today's Top Hits", filePath: "songs/1.mp3"},
14 {songName: "Naatu Naatu", filePath: "songs/2.mp3"},
15 {songName: "Hukum - Thalaivar Alappara", filePath: "songs/3.mp3"},
16 {songName: "Leo (Original Motion Picture Soundtrack)", filePath: "songs/4.mp3"},
17 {songName: "Jawan Title Track", filePath: "songs/5.mp3"},
18 {songName: "Heeriye (feat. Arijit Singh)", filePath: "songs/6.mp3"},
19 {songName: "Jhoome Jo Pathaan", filePath: "songs/7.mp3"}
20]
21
22 songItems.forEach((element, i)=>{
23 element.getElementsByTagName("img")[0].src = songs[i].coverPath;
24 element.getElementsByClassName("songName")[0].innerText = songs[i].songName;
25 })
26
27
28 // Handle play/pause click
29 masterPlay.addEventListener('click', ()=>{
30 if(audioElement.paused || audioElement.currentTime<=0){
31 audioElement.play();
32 masterPlay.classList.remove('fa-play-circle');
33 masterPlay.classList.add('fa-pause-circle');
34 gif.style.opacity = 1;
35 }
36 else{
37 audioElement.pause();
Ln 7, Col 62 Spaces: 4 UTF-8 CRLF JavaScript Go Live

EXPECTED RESULTS



CONCLUSION

The streamlined Spotify clone, focused solely on seamless song playback, offers a minimalist yet efficient music streaming experience. By prioritizing simplicity and ease of use, aiming to provide users with a straightforward platform dedicated solely to the enjoyment of music. Stripped of additional features, this clone maintains the essence of Spotify's functionality, allowing users to effortlessly play their favorite songs without unnecessary complexity. With a commitment to a clean and straightforward design, Spotify clone caters to those who seek a pure and uncomplicated music listening experience.

THANK YOU