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Abstract

Web Music Player is a music platform for playing music from the web using a simple Chrome browser. Its purpose is to create a machine dedicated to hosting servers and playing music for other devices controlled via a web interface. This project designs a music player that helps us save a music collection based on the likes of the user. The user's local music collection is initially arranged as saved but the playlist can be repeated, incremented or shuffled as per user's choice. The users are presented a list of dynamically updated popular/trending songs and categorized based on Artists.

1. Introduction

Music has always been romanticized by mankind, so powerful that they transcend the borders, popularized and incorporated into native folklores. From singing traditional folklores to adopting foreign tunes, music has evolved over the time and so did the mode of listening.

With no means of recording music and songs, it passed onto generations only through means of generational inheritance. In the 19th Century, Leon Scott de Martinville's Phonautograph laid the foundation for subsequent more sophisticated recording and tuning devices. It was the pioneer of modern music industry in its truest sense. Then came the Phonographs, Gramophones, 78 RPMs, Radios and modern Audio Cassettes. With digitalization and modernization spreading across every field, we have the latest Music players with pre-recorded songs and music in them, along with many distinguishing features. This has paved the way for the ultimate user-music experience and improvised sophistications.

In the succeeding sections, we will delve deep into the existing music player sites and apps, laying out its architecture in layman terms, and hard-coding our very own music player site.

2. Literature Survey

S. No.	Authors	Title	Description
1	Pan Yong-Cai, Liu Wen-chao, & Li Xiao (IEEE)	Development and Research of Music Player Application Based on Android	This paper analyzes the Android system development related technologies and the basic development process. With the features of openness and compatibility, developers can use the Android SDK to develop extremely personality mobile applications.
2	Aldiyar Niyazov, Elena Mikhailova, & Olga Egerova (IEEE)	Content-based Music Recommendation System	This research is devoted to a content-based music recommender system. The main peculiarity is that the developed recommender system is based on the acoustic similarity of musical compositions. Two approaches of building a content-based music recommender system are considered in this paper. The first is a quite common approach that uses acoustic features analysis. The second approach includes deep learning and computer vision methods application aimed at improving the results of the recommender system.
3	Ramanathan, R., Kumaran, R., Ram Rohan, R., Gupta, R., & Prabhu, V. (IEEE)	An Intelligent Music Player Based on Emotion Recognition	This paper proposes an intelligent agent that sorts a music collection based on the emotions conveyed by each song and then suggests an appropriate playlist to the user based on his/her current mood. The user's local music collection is initially clustered based on the emotion the song conveys, i.e., the mood of the song. This is calculated taking into consideration the lyrics of the song, as well as the melody. Every time the user wishes to generate a mood-based playlist, the user takes a picture of themselves at that instant. This image is subjected to facial detection and emotion recognition techniques, recognizing the emotion of the user. The music that best matches this emotion is then recommended to the user as a playlist.

4	R. L. Rosa, D. Z. Rodriguez, & G. Bressan (IEEE)	Music recommendation system based on user's sentiments extracted from social networks	This paper presents a music recommendation system based on a sentiment intensity metric, named enhanced Sentiment Metric (eSM) that is the association of a lexicon-based sentiment metric with a correction factor based on the user's profile. The users' sentiments are extracted from sentences posted on social networks and the music recommendation system is performed through a framework of low complexity for mobile devices, which suggests songs based on the current user's sentiment intensity.
5	Chen, HC., Chen, & A.L.P. (Springer)	A Music Recommendation System Based on Music and User Grouping	This paper presents a music recommendation system, which provides a personalized service of music recommendation. The representative track of each polyphonic music object is first determined, and then six features are extracted from this track for proper music grouping. Moreover, the user access histories are analyzed to derive the profiles of user interests and behaviors for user grouping. The content-based, collaborative, and statistics-based recommendation methods are proposed based on the favorite degrees of the users to the music groups, and the user groups they belong to.
6	Y. Kodama, S. Gayama, Y. Suzuki, S. Odagawa, T. Shioda, F. Matsushita, & T. Tabata (IEEE)	A Music Recommendation System	A music recommendation system was developed that can learn users' preferences. The system can classify a wide range of stored music using automatic music content analyses. Users can opt for music according to their mood, using such words as "bright", "exciting", "quiet", "sad" and "healing".
7	Sheela Kathavate (IJERT)	Music Recommendation System using Content and Collaborative Filtering Methods	This paper has proposed. implemented and analyzed a song recommendation system. It has used Song Dataset provided to find correlations between users and songs and to learn from the previous listening history of users to provide recommendations for songs which users would prefer to listen most. The dataset contains over ten thousand songs and

			listeners are recommended the best available songs based on the mood, genre, artist and top charts of that year. With an interactive UI, it shows the listener the top songs that were played the most and top charts of the year. Listener also have the option to select his/her favorite artist and genres on which songs are recommended to them using the dataset.
8	Y. Yi and Z. Li (ACM)	Design and Implementation of Music Web Application based on Vue and Spring Boot	A music Web Application is built based on Spring Boot and Vue Framework, which is efficient and concise. The system architecture uses the front-back separation mode: the front-end uses HyperText Markup Language(HTML) and Vue to realize page display and route control, the back-end is realized by some Spring Boot components(e.g., Service), the front-end and back-end interact with restful Application Programming Interface(API) and JavaScript Object Notation(JSON) data.
9	H.-H. Huang (ACM)	An MPD Player with Expert Knowledge-based Single User Music Recommendation	This work demonstrates a music player based on Music Player Daemon (MPD), a protocol popular for audiophiles, with personalized music recommendation. As a standalone player, it focuses on the scenario of single user recommendation. Different from collaborative filtering-based recommendation, which relies on usage patterns from a large number of users, it proposed a novel approach that does not require other users' information. It also formulates the recommendation as a task of knowledge base completion and exploits the expert knowledge from a music knowledge base.
10	Ravi Kumar, Numer Mulla, & Dishank Gangar (IJERT)	Illusion : A Smart Music Player	Illusion is a smart music player application, that will detect any users current heart rate data and his/her current activity status and thus music player will figure out the list of songs that can be played to better suit the user at any moment of time, automatically.

3. Project Explanation with Architecture Diagram

This project designs and implements a music player webapp which serves as a central quick spot to binge onto favorite songs and music as per the convenience and likes of the user.

The music player presents a variety of songs, trending songs, and songs categorized by the artists. The user can create a playlist of his/her songs and search onto the latest music. The playlist can be repeated or shuffled as per the convenience of the user.

Tech-stack used include:

- ✓ HTML
- ✓ CSS
- ✓ JavaScript
- ✓ PHP
- ✓ MySQL

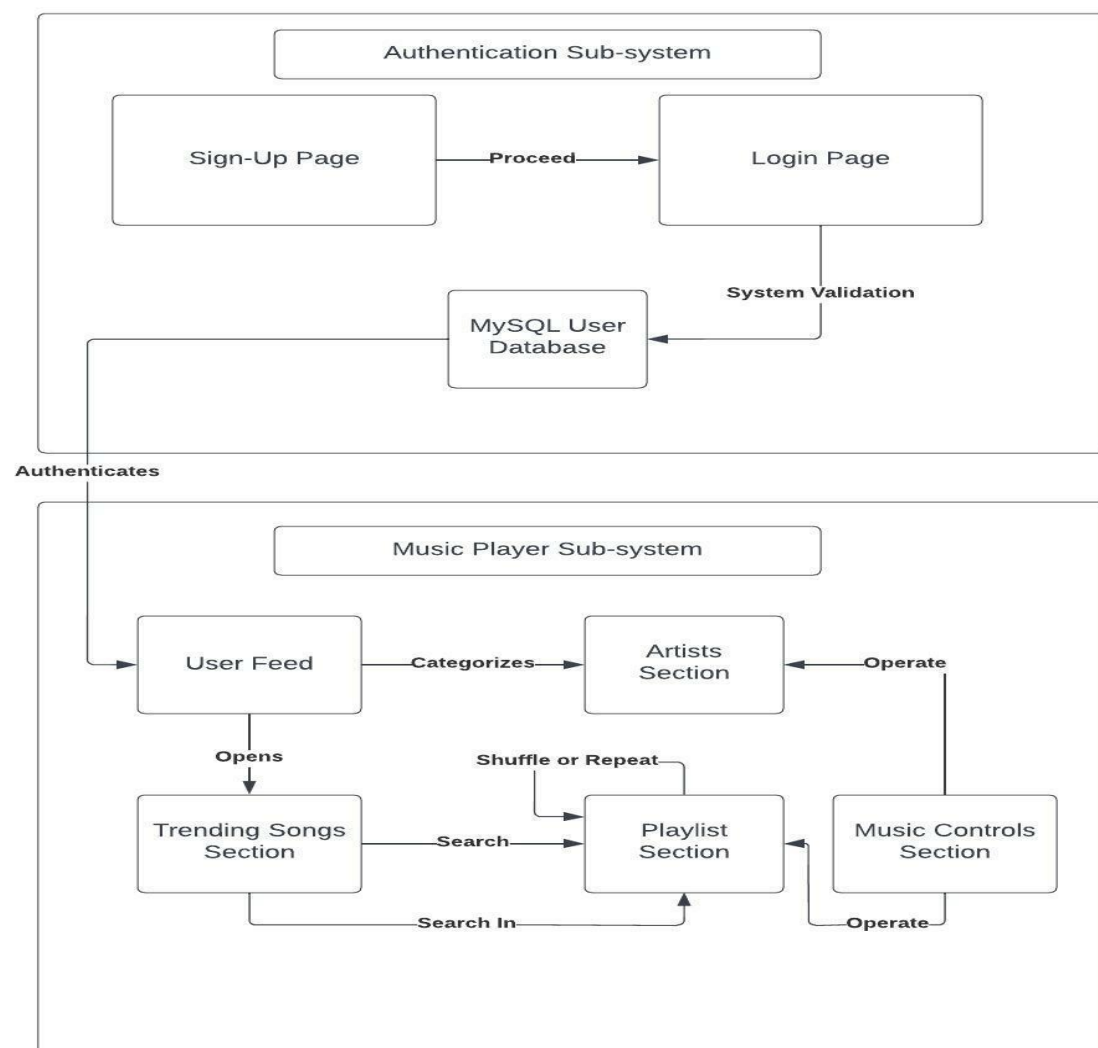


Fig 3.1: Architecture Design of the Music Player Webapp

4. Project Code and Output

4.1 signup.php

```
<?php
session_start();
include('db_connect.php');
$msg = false;
if($_SERVER['REQUEST_METHOD'] == 'POST') {
    $user_name = $_POST['user_name'];
    $user_email = $_POST['user_email'];
    $user_password = $_POST['user_password'];
    $user_re_password = $_POST['user_re_password'];

    if (!empty($user_name) && !empty($user_email) && !empty($user_password) &&
!is_numeric($user_name)) {
        if($user_password === $user_re_password) {
            $query = "insert into user (user, email, password) values
('$user_name','$user_email','$user_password')";
            mysqli_query($con, $query);
            header("Location: index.php");
        } else {
            $msg = "Password Not Matching!";
        }
    }
}
?>

<!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">
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.9.1/font/bootstrap-icons.css">
    <link rel="stylesheet" href="style.css">
    <title>Music Website Sign Up</title>
</head>

<body>
    <header>
        <div class="left_bx1">
            <div class="content">
                <form method="post">
```

```

        <h3>Sign Up</h3>
        <div class="card">
            <label for="name">Name</label>
            <input type="text" name="user_name" placeholder="Enter
Your Username" required>
        </div>
        <div class="card">
            <label for="email">E-mail</label>
            <input type="email" name="user_email"
placeholder="Enter Your E-Mail" required>
        </div>
        <div class="card">
            <label for="password">Password</label>
            <input type="password" name="user_password"
placeholder="Enter Your Password" required>
        </div>
        <div class="card">
            <label for="re-password">Re-Password</label>
            <input type="password" name="user_re_password"
placeholder="Re-enter Your Password" required>
        </div>
        <input type="submit" value="Sign Up" class="submit">
        <div class="check">
            <input type="checkbox"><span>Remember Me</span>
        </div>
        <p>Have an account? <a href="index.php">Login</a></p>
    </form>
</div>
</div>

<div class="right_bx1">
    
    <?php
    echo (<h3>'. $msg. '</h3>');
    ?>
</div>
</header>
</body>

</html>

```


4.2 index.php

```
<?php

session_start();

include('db_connect.php');
$msg = false;
if (isset($_POST['user_name'])) {
    $user_name = $_POST['user_name'];
    $user_password = $_POST['user_password'];

    $query = "select * from user where user='".$user_name."' and
password='".$user_password."' limit=1";
    $result = mysqli_query($con, $query);

    if (mysqli_num_rows($result)==1) {
        header('Location: welcome.php');
    } else {
        $msg = "Incorrect Credential(s)";
    }
}

?>

<!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">
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.9.1/font/bootstrap-icons.css">
    <link rel="stylesheet" href="style.css">
    <title>Music Website Login</title>
</head>

<body>
    <header>
        <div class="left_bx1">
            <div class="content">
                <form method="post">
                    <h3>Login</h3>
                    <div class="card">
                        <label for="name">Name</label>
```

```

                <input type="text" name="user_name" placeholder="Enter
Your Username" required>
            </div>
            <div class="card">
                <label for="password">Password</label>
                <input type="password" name="user_password"
placeholder="Enter Your Password" required>
            </div>
            <input type="submit" value="Login" class="submit">
            <div class="check">
                <input type="checkbox"><span>Remember Me</span>
            </div>
            <p>Don't have an account yet? <a href="signup.php">Sign
Up</a></p>
        </form>
    </div>
</div>

    <div class="right_bx1">
        
        <?php
            echo ('<h3>'.$msg.'</h3>');
        ?>
    </div>
</header>
</body>
</html>

```

4.3 db_connect.php

```

<?php

$server_name = "localhost";
$user_name = 'root';
$user_pass = '';
$database_name = 'music_user';

$con = mysqli_connect($server_name, $user_name, $user_pass, $database_name);

if(!$con) {
    die ('Connection Failed!'.mysql_error());
}

?>

```

4.4 welcome.php

```
<!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">
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.9.1/font/bootstrap-icons.css">
  <link rel="stylesheet" href="style.css">
  <title>Music Website</title>
</head>

<body>
  <header>

    <div class="menu_side">
      <h1>Playlist</h1>
      <div class="playlist">
        <h4 class="active"><span></span><i class="bi bi-music-note-
beamed"></i>Playlist</h4>
        <h4><span></span><i class="bi bi-music-note-beamed"></i>Last
Listened</h4>
        <h4><span></span><i class="bi bi-music-note-
beamed"></i>Recommended</h4>
      </div>
      <div class="menu_song">
        <li class="songItem">
          <span>01</span>
          
          <h5>On My Way<br>
            <div class="subtitle">Alan Walker</div>
          </h5>
          <i class="bi playListPlay bi-play-circle-fill" id="1"></i>
        </li>
        <li class="songItem">
          <span>02</span>
          
          <h5>Pasoori<br>
            <div class="subtitle">Ali Sethi . Shae Gill</div>
          </h5>
          <i class="bi playListPlay bi-play-circle-fill" id="2"></i>
        </li>
        <li class="songItem">
          <span>03</span>
```

```

        
        <h5>Vande Mataram<br>
            <div class="subtitle">Bankim Chandra
Chattopadhyay</div>
        </h5>
        <i class="bi playListPlay bi-play-circle-fill" id="3"></i>
    </li>
    <li class="songItem">
        <span>04</span>
        
        <h5>Lovely<br>
            <div class="subtitle">Billie Eilish . Khalid</div>
        </h5>
        <i class="bi playListPlay bi-play-circle-fill" id="4"></i>
    </li>
    <li class="songItem">
        <span>05</span>
        
        <h5>Moh Moh Ke Dhaage<br>
            <div class="subtitle">Monali Thakur</div>
        </h5>
        <i class="bi playListPlay bi-play-circle-fill" id="5"></i>
    </li>
    <li class="songItem">
        <span>06</span>
        
        <h5>Thousand Years<br>
            <div class="subtitle">Christina Perri</div>
        </h5>
        <i class="bi playListPlay bi-play-circle-fill" id="6"></i>
    </li>
    <li class="songItem">
        <span>07</span>
        
        <h5>Breathless<br>
            <div class="subtitle">Shankar Mahadevan</div>
        </h5>
        <i class="bi playListPlay bi-play-circle-fill" id="7"></i>
    </li>
    <li class="songItem">
        <span>08</span>
        
        <h5>Makhna<br>
            <div class="subtitle">Yasser Desai . Tanishk B</div>
        </h5>
        <i class="bi playListPlay bi-play-circle-fill" id="8"></i>
    </li>
    <li class="songItem">

```

```

        <span>09</span>
        
        <h5>Channa Mereya<br>
            <div class="subtitle">Arijit Singh</div>
        </h5>
        <i class="bi playListPlay bi-play-circle-fill" id="9"></i>
    </li>
    <li class="songItem">
        <span>10</span>
        
        <h5>Saami Saami<br>
            <div class="subtitle">Sunidhi Chauhan</div>
        </h5>
        <i class="bi playListPlay bi-play-circle-fill"
id="10"></i>
    </li>
</div>
</div>

<div class="song_side">
    <nav>
        <ul>
            <li>Discover <span></span></li>
            <li>MY LIBRARY</li>
            <li>RADIO</li>
        </ul>
        <div class="search">
            <i class="bi bi-search"></i>
            <input type="text" placeholder="Search Music...">
            <div class="search_results">
                <!-- <a href="" class="card">
                    
                    <div class="content">
                        On My Way
                        <div class="subtitle">
                            Alan Walker
                        </div>
                    </div>
                </a> -->
            </div>
        </div>
    </div>
    <div class="user">
        
    </div>
</nav>
<div class="content">
    <h1>Alan Walker-Fade</h1>

```

```

        <p>You were the shadow to my light did you feel us Another
start you fade <br> Away afraid our aim is out of sight Wanna see us Alive</p>
        <div class="buttons">
            <button>PLAY</button>
            <button>FOLLOW</button>
        </div>
    </div>

    <div class="popular_song">
        <div class="h4">
            <h4>Popular Song</h4>
            <div class="btn_s">
                <i class="bi bi-arrow-left-short"
id="pop_song_left"></i>
                <i class="bi bi-arrow-right-short"
id="pop_song_right"></i>
            </div>
        </div>
        <div class="pop_song">
            <li class="songItem">
                <div class="img_play">
                    
                    <i class="bi playListPlay bi-play-circle-fill"
id="11"></i>
                </div>
                <h5>Tujhme Rab Dikhta Hain<br>
                    <div class="subtitle">Shreya Goshal</div>
                </h5>
            </li>
            <li class="songItem">
                <div class="img_play">
                    
                    <i class="bi playListPlay bi-play-circle-fill"
id="12"></i>
                </div>
                <h5>Manike<br>
                    <div class="subtitle">Yohani</div>
                </h5>
            </li>
            <li class="songItem">
                <div class="img_play">
                    
                    <i class="bi playListPlay bi-play-circle-fill"
id="13"></i>
                </div>
                <h5>Cold Hours<br>
                    <div class="subtitle">Aleemrk . Umair</div>
                </h5>
            </li>
        </div>
    </div>

```

```

        </li>
        <li class="songItem">
            <div class="img_play">
                
                <i class="bi playListPlay bi-play-circle-fill"
id="14"></i>

            </div>
            <h5>Summer High<br>
                <div class="subtitle">A.P. Dhillon</div>
            </h5>
        </li>
        <li class="songItem">
            <div class="img_play">
                
                <i class="bi playListPlay bi-play-circle-fill"
id="15"></i>

            </div>
            <h5>Kesariya<br>
                <div class="subtitle">Pritam . Arijit Singh</div>
            </h5>
        </li>
        <li class="songItem">
            <div class="img_play">
                
                <i class="bi playListPlay bi-play-circle-fill"
id="16"></i>

            </div>
            <h5>Deva Deva<br>
                <div class="subtitle">Arijit . Jonita</div>
            </h5>
        </li>
        <li class="songItem">
            <div class="img_play">
                
                <i class="bi playListPlay bi-play-circle-fill"
id="17"></i>

            </div>
            <h5>Varaha Roopam<br>
                <div class="subtitle">Ajneesh Loknath</div>
            </h5>
        </li>
        <li class="songItem">
            <div class="img_play">
                
                <i class="bi playListPlay bi-play-circle-fill"
id="18"></i>

            </div>
            <h5>Ranjha<br>

```

```

        <div class="subtitle">B Praak . Jasleen . Anvita
Dutt</div>
        </h5>
    </li>
    <li class="songItem">
        <div class="img_play">
            
            <i class="bi playListPlay bi-play-circle-fill"
id="19"></i>
        </div>
        <h5>Doobey<br>
            <div class="subtitle">OAFF . Savera</div>
        </h5>
    </li>
</div>
</div>
<div class="popular_artists">
    <div class="h4">
        <h4>Popular Artists</h4>
        <div class="btn_s">
            <i class="bi bi-arrow-left-short"
id="pop_art_left"></i>
            <i class="bi bi-arrow-right-short"
id="pop_art_right"></i>
        </div>
    </div>
    <div class="item">
        <li>
            <a href="arijit.php"></a>
        </li>
        <li>
            
        </li>
        <li>
            
        </li>
        <li>
            
        </li>
        <li>
            
        </li>
        <li>
            
        </li>
        <li>
            

```



```

        </li>
        <li>
            
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        </li>
        <li>
            
        </li>
    </div>
</div>
</div>

<div class="master_play">
    <div class="wave" id="wave">
        <div class="wave1"></div>
        <div class="wave1"></div>
        <div class="wave1"></div>
    </div>
    

```

```

<h5 id="title">
  On My Way
  <div class="subtitle">Alan Walker</div>
</h5>
<div class="icon">
  <i class="bi shuffle bi-music-note-beamed">next</i>
  <i class="bi bi-skip-start-fill" id="back"></i>
  <i class="bi bi-play-fill" id="masterPlay"></i>
  <i class="bi bi-skip-end-fill" id="next"></i>
  <a href="" download id="download_music"><i class="bi bi-cloud-
arrow-down-fill"></i></a>
</div>
<span id="currentStart"> 0:00 </span>
<div class="bar">
  <input type="range" id="seek" min="0" max="100">
  <div class="bar2" id="bar2"></div>
  <div class="dot"></div>
</div>
<span id="currentEnd"> 0:30 </span>
<div class="vol">
  <i class="bi bi-volume-down-fill" id="vol_icon"></i>
  <input type="range" min="0" max="100" id="vol">
  <div class="vol_bar"></div>
  <div class="dot" id="vol_dot"></div>
</div>
</div>
</header>
<script src="app.js"></script>
</body>

</html>

```

4.5 style.css

```

/* Google Font "poppins" */

@import
url('https://fonts.googleapis.com/css2?family=Poppins:ital,wght@0,100;0,200;0,
300;0,400;0,500;0,600;0,700;0,800;0,900;1,100;1,200;1,300;1,400;1,500;1,600;1,
700;1,800;1,900&display=swap');
* {
  padding: 0;
  margin: 0;
  box-sizing: border-box;
}

```

```

body {
  font-family: 'Poppins', sans-serif;
  width: 100%;
  height: 100vh;
  background: #121213;
  display: grid;
  place-items: center;
}

header {
  position: relative;
  width: 85%;
  height: 95%;
  /* border: 1px solid #fff; */
  display: flex;
  flex-wrap: wrap;
  overflow: hidden;
}

header .menu_side,
.song_side {
  width: 25%;
  height: 90%;
  /* border: 1px solid #fff; */
  background: #111727;
  box-shadow: 5px 0px 2px #090f1f;
  color: #fff;
}

header .song_side {
  width: 75%;
  background: #0b1320;
}

header .master_play{
  width: 100%;
  height: 10%;
  /* border: 1px solid #fff; */
  background: #111727;
  box-shadow: 0px 3px 8px #090f1f;
}

header .menu_side h1 {
  font-size: 20px;
  margin: 15px 0px 0px 20px;
  font-weight: 500;
}

```

```

header .menu_side .playlist {
    margin: 40px 0px 0px 20px;
}

header .menu_side .playlist h4{
    font-size: 14px;
    font-weight: 400;
    padding-bottom: 10px;
    color: #4c5262;
    cursor: pointer;
    display: flex;
    align-items: center;
    transition: .3s linear;
}

header .menu_side .playlist h4:hover {
    color: #fff;
}

header .menu_side .playlist h4 span{
    position: relative;
    margin-right: 35px;
}

header .menu_side .playlist h4 span::before{
    content: '';
    position: absolute;
    width: 4px;
    height: 4px;
    border: 2px solid #4c5262;
    border-radius: 50%;
    top: -4px;
    transition: .3s linear;
}

header .menu_side .playlist h4:hover span::before{
    border: 2px solid #fff;
}

header .menu_side .playlist h4 .bi{
    display: none;
}

header .menu_side .playlist .active{
    color: #36e2ec;
}

header .menu_side .playlist .active span{

```

```

        display: none;
    }

header .menu_side .playlist .active .bi{
    display: flex;
    margin-right: 20px;
}

header .menu_side .menu_song{
    width: 100%;
    height: 420px;
    /* border: 1px solid #fff; */
    margin-top: 30px;
    overflow: auto;
}

header .menu_side .menu_song::-webkit-scrollbar {
    display: none;
}

header .menu_side .menu_song li{
    list-style-type: none;
    position: relative;
    padding: 5px 0px 5px 20px;
    display: flex;
    align-items: center;
    margin-bottom: 10px;
    cursor: pointer;
    transition: .3s linear;
}

header .menu_side .menu_song li:hover{
    background: rgb(105, 105, 105, .1);
}

header .menu_side .menu_song li span{
    font-size: 12px;
    font-weight: 600;
    color: #4c5262;
}

header .menu_side .menu_song li img{
    width: 32px;
    height: 32px;
    margin-left: 25px;
}

header .menu_side .menu_song li h5{

```

```

    font-size: 11px;
    margin-left: 15px;
    width: 170px;
    /* border: 1px solid #fff; */
    overflow: hidden;
    text-overflow: ellipsis;
    white-space: nowrap;
}

header .menu_side .menu_song li h5 .subtitle{
    font-size: 9px;
    color: #4c5262;
}

header .menu_side .menu_song li .bi{
    position: absolute;
    right: 15px;
}

header .master_play {
    display: flex;
    align-items: center;
    padding: 0px 20px;
}

header .master_play .wave {
    width: 30px;
    height: 30px;
    /* border: 1px solid #fff; */
    padding-bottom: 5px;
    display: flex;
    align-items: flex-end;
    margin-right: 10px;
}

header .master_play .wave .wave1 {
    width: 3px;
    height: 10px;
    background: #36e2ec;
    margin-right: 3px;
    border-radius: 10px 10px 0px 0px;
    animation: unset;
}

header .master_play .wave .wave1:nth-child(2) {
    height: 13px;
    margin-right: 3.5px;
    animation-delay: .4s;
}

```

```

header .master_play .wave .wave1:nth-child(3) {
    height: 8px;
    animation-delay: .8s;
}

/* Javascript Classes */

header .master_play .active1 .wave1 {
    animation: wave .5s linear infinite;
}
header .master_play .active1 .wave1:nth-child(2) {
    animation-delay: .4s;
}
header .master_play .active1 .wave1:nth-child(3) {
    animation-delay: .8s;
}

@keyframes wave {
    0% {
        height: 10px;
    }
    50% {
        height: 15px;
    }
    100% {
        height: 10px;
    }
}

header .master_play img {
    width: 35px;
    height: 35px;
}

header .master_play h5 {
    width: 130px;
    /* border: 1px solid #fff; */
    margin-left: 15px;
    color: #fff;
    line-height: 17px;
    overflow: hidden;
    text-overflow: ellipsis;
    white-space: nowrap;
    font-size: 13px;
}

header .master_play h5 .subtitle {
    font-size: 11px;
}

```

```

    color: #4c5262;
    width: 100%;
    overflow: hidden;
    text-overflow: ellipsis;
    white-space: nowrap;
}

header .master_play .icon {
    font-size: 20px;
    color: #fff;
    margin-right: 0px 20px 0px 40px;
    outline: none;
    display: flex;
    align-items: center;
}

header .master_play .icon .bi {
    cursor: pointer;
    outline: none;
}

header .master_play .icon .shuffle {
    font-size: 17px;
    margin-right: 10px;
    width: 17.5px;
    overflow: hidden;
    display: flex;
    align-items: center;
}

header .master_play .icon #download_music {
    text-decoration: none;
    color: #fff;
    font-size: 20px;
    margin-left: 10px;
}

header .master_play .icon .bi:nth-child(3) {
    border: 1px solid rgb(105, 105, 105, .1);
    border-radius: 50%;
    padding: 1px 5px 0px 7px;
    margin: 0px 5px;
}

header .master_play span {
    color: #fff;
    width: 32px;

```



```

    /*border: 1px solid #fff;*/
    font-size: 11px;
    font-weight: 400;
}

header .master_play #currentStart {
    margin: 0px 0px 0px 20px;
}

header .master_play .bar {
    position: relative;
    width: 43%;
    height: 2px;
    background: rgb(105, 105, 170, .1);
    margin: 0px 15px 0px 10px;
}

header .master_play .bar .bar2 {
    position: absolute;
    background: #36e2ec;
    width: 0%;
    height: 100%;
    top: 0;
    transition: 1s linear;
}

header .master_play .bar .dot {
    position: absolute;
    width: 5px;
    height: 5px;
    background: #36e2ec;
    border-radius: 50%;
    left: 0%;
    top: -1.5px;
    transition: 1s linear;
}

header .master_play .bar .dot::before {
    content: '';
    position: absolute;
    width: 15px;
    height: 15px;
    border: 1px solid #36e2ec;
    border-radius: 50%;
    left: -7px;
    top: -6.5px;
    box-shadow: inset 0px 0px 3px #36e2ec;
}

```

[illegible]

```
header .master_play .vol {
    position: relative;
    width: 100px;
    height: 2px;
    background: rgb(105, 105, 170, .1);
    margin-left: 50px;
}
```

```
header .master_play .vol .bi {
    position: absolute;
    color: #fff;
    font-size: 25px;
    top: -17px;
    left: -30px;
}
```

[illegible]

```
header .master_play .vol .vol_bar {
    position: absolute;
    background: #36e2ec;
    width: 100%;
    height: 100%;
    top: 0;
    transition: 1s linear;
}
```

```
header .master_play .vol .dot {
```

```

position: absolute;
width: 5px;
height: 5px;
background: #36e2ec;
border-radius: 50%;
left: 100%;
top: -1.5px;
transition: 1s linear;
}

header .master_play .vol .dot::before {
content: '';
position: absolute;
width: 15px;
height: 15px;
border: 1px solid #36e2ec;
border-radius: 50%;
left: -7px;
top: -6.5px;
box-shadow: inset 0px 0px 3px #36e2ec;
}

header .song_side {
z-index: 2;
}

header .song_side::before {
content: '';
position: absolute;
width: 100%;
height: 300px;
background: url('bg.png');
z-index: -1;
}

header .song_side nav {
width: 90%;
height: 10%;
/* border: 1px solid #fff; */
margin: auto;
display: flex;
align-items: center;
justify-content: space-between;
}

header .song_side nav ul {
display: flex;
}

```

```
header .song_side nav ul li {
  list-style: none;
  position: relative;
  font-size: 13px;
  color: #4c5262;
  margin-right: 25px;
  cursor: pointer;
  transition: .3s linear;
}

header .song_side nav ul li:hover {
  color: #fff;
}

header .song_side nav ul li:nth-child(1) {
  color: #fff;
}

header .song_side nav ul li span {
  position: absolute;
  width: 100%;
  height: 2.5px;
  background: #36e2ec;
  bottom: -5px;
  left: 0;
  border-radius: 20px;
}

header .song_side nav .search {
  position: relative;
  width: 40%;
  padding: 1px 10px;
  border-radius: 20px;
  /* border: 1px solid #fff; */
  color: gray;
}

header .song_side nav .search::before {
  content: '';
  position: absolute;
  width: 100%;
  height: 100%;
  background: rgb(184, 184, 184, .1);
  border-radius: 20px;
  backdrop-filter: blur(5px);
  z-index: -1;
}
```

```

header .song_side nav .search .search_results {
  position: absolute;
  width: 100%;
  height: 200px;
  /* border: 1px solid #fff; */
  margin-top: 10px;
  border-radius: 10px;
  overflow: auto;
}

header .song_side nav .search .search_results::-webkit-scrollbar {
  display: none;
}

header .song_side nav .search .search_results .card {
  width: 100%;
  min-height: 45px;
  /* border: 1px solid #fff; */
  display: flex;
  align-items: center;
  background: rgb(184, 184, 184, .1);
  margin-bottom: 5px;
  text-decoration: none;
  display: none;
}

header .song_side nav .search .search_results .card .content {
  width: 80%;
  height: 100%;
  /* border: 1px solid #fff; */
  padding: 0;
  font-size: 13px;
  font-weight: 600;
  color: #fff;
}

header .song_side nav .search .search_results .card .content .subtitle {
  font-size: 11px;
  color: #a4a8b4;
  font-weight: 500;
}

header .song_side nav .search .search_results .card img {
  width: 35px;
  height: 35px;
  border-radius: 5px;
}

```

```

header .song_side nav .search .bi {
    font-size: 13px;
    padding: 3px 0px 0px 10px;
}

header .song_side nav .search input {
    background: none;
    border: none;
    outline: none;
    padding: 0px 10px;
    color: #fff;
    font-size: 12px;
}

header .song_side nav .user {
    position: relative;
    width: 30px;
    height: 30px;
    /* border: 1px solid #fff; */
    border-radius: 50%;
}

header .song_side nav .user img {
    width: 100%;
    height: 100%;
    border-radius: 50%;
    box-shadow: 2px 2px 8px #121213;
}

header .song_side .content {
    width: 90%;
    height: 30%;
    /* border: 1px solid #fff; */
    margin: auto;
    padding-top: 20px;
}

header .song_side .content h1 {
    font-size: 25px;
    font-weight: 600;
}

header .song_side .content p {
    font-size: 11px;
    font-weight: 400;
    color: #4c5262;
    margin: 5px;
}

```

```

}

header .song_side .content .buttons {
  margin-top: 15px;
}

header .song_side .content .buttons button {
  width: 130px;
  height: 30px;
  border: 2px solid #36e2ec;
  outline: none;
  border-radius: 20px;
  background: #5adae0;
  color: #fff;
  cursor: pointer;
  transition: .3s linear;
}

header .song_side .content .buttons button:hover {
  background: none;
  color: #36e2ec;
}

header .song_side .content .buttons button:nth-child(2) {
  background: none;
  color: #36e2ec;
}

header .song_side .content .buttons button:nth-child(2):hover {
  background: #36e2ec;
  color: #fff;
}

header .song_side .popular_song {
  width: 90%;
  height: auto;
  margin: auto;
  margin-top: 15px;
  /* border: 1px solid #fff; */
}

header .song_side .popular_song .h4 {
  display: flex;
  align-items: center;
  justify-content: space-between;
}

header .song_side .popular_song .h4 .bi {

```

```

        color: #a4a8b4;
        cursor: pointer;
        transition: .3s linear;
    }

    header .song_side .popular_song .h4 .bi:hover {
        color: #fff;
    }

    header .song_side .popular_song .pop_song {
        width: 100%;
        height: 150px;
        margin-top: 15px;
        display: flex;
        /* border: 1px solid #fff; */
        overflow: auto;
        scroll-behavior: smooth;
    }

    header .song_side .popular_song .pop_song::-webkit-scrollbar {
        display: none;
    }

    header .song_side .popular_song .pop_song li {
        min-width: 100px;
        height: 140px;
        list-style-type: none;
        margin-right: 10px;
        transition: .3s linear;
    }

    header .song_side .popular_song .pop_song li:hover {
        background: rgb(105, 105, 105, .1);
    }

    header .song_side .popular_song .pop_song li .img_play {
        position: relative;
        width: 100px;
        height: 100px;
        display: flex;
        align-items: center;
        justify-content: center;
    }

    header .song_side .popular_song .pop_song li .img_play img {
        width: 100%;
        height: 100%;
    }

```



```

header .song_side .popular_song .pop_song li .img_play .bi {
    position: absolute;
    font-size: 20px;
    cursor: pointer;
    transition: .3s linear;
    opacity: 0;
}

header .song_side .popular_song .pop_song li:hover .img_play .bi {
    opacity: 1;
}

header .song_side .popular_song .pop_song li h5 {
    padding: 5px 0px 0px 5px;
    line-height: 15px;
    font-size: 10px;
    width: 100px;
    overflow: hidden;
    white-space: nowrap;
    text-overflow: ellipsis;
}

header .song_side .popular_song .pop_song li h5 .subtitle {
    font-size: 9px;
    overflow: hidden;
    white-space: nowrap;
    text-overflow: ellipsis;
    color: #4c5262;
}

header .song_side .popular_artists {
    width: 90%;
    height: auto;
    /* border: 1px solid #fff; */
    margin: auto;
    margin-top: 15px;
}

header .song_side .popular_artists .h4 {
    display: flex;
    align-items: center;
    justify-content: space-between;
}

header .song_side .popular_artists .h4 .bi {
    color: #a4a8b4;
    cursor: pointer;
}

```

```

        transition: .3s linear;
    }

    header .song_side .popular_artists .h4 .bi:hover {
        color: #fff;
    }

    header .song_side .popular_artists {
        width: 90%;
        height: auto;
        margin: auto;
        margin-top: 15px;
        /* border: 1px solid #fff; */
    }

    header .song_side .popular_artists .h4 {
        display: flex;
        align-items: center;
        justify-content: space-between;
    }

    header .song_side .popular_artists .h4 .bi {
        color: #a4a8b4;
        cursor: pointer;
        transition: .3s linear;
    }

    header .song_side .popular_artists .h4 .bi:hover {
        color: #fff;
    }

    header .song_side .popular_artists .item {
        width: 100%;
        height: auto;
        margin-top: 15px;
        display: flex;
        /* border: 1px solid #fff; */
        overflow: auto;
        scroll-behavior: smooth;
    }

    header .song_side .popular_artists .item::-webkit-scrollbar {
        display: none;
    }

    header .song_side .popular_artists .item li {
        list-style-type: none;
        position: relative;
    }

```

```

    min-width: 60px;
    height: 60px;
    border-radius: 50%;
    margin-right: 20px;
    cursor: pointer;
}

header .song_side .popular_artists .item li img {
    width: 100%;
    height: 100%;
    border-radius: 50%;
}

/* Login Style */

header .left_bx1,
.right_bx1 {
    position: relative;
    width: 65%;
    height: 100%;
    border: 1px solid #fff;
    background: #0b1320;
    display: flex;
    align-items: center;
    justify-content: center;
}

header .left_bx1 {
    width: 35%;
    background: #fff;
    /* box-shadow: 5px 0px 2px #090f1f; */
}

header .left_bx1 .content {
    width: 75%;
    height: auto;
    /* border: 1px solid #000; */
    padding: 25px 20px;
    background: #fff;
}

header .left_bx1 .content .card {
    width: 100%;
    display: flex;
    align-items: flex-start;
    flex-direction: column;
    justify-content: center;
    margin-top: 20px;
}

```

```

}

header .left_bx1 .content .card label {
  font-size: 14px;
}

header .left_bx1 .content .card input {
  width: 100%;
  padding: 6px 10px;
  border: 1px solid rgb(105, 105, 105, .1);
  background: rgb(238, 238, 238);
  margin-top: 5px;
}

header .left_bx1 .content .submit {
  margin-top: 30px;
  padding: 8px 20px;
  color: #fff;
  background: #111727;
  width: 100%;
  cursor: pointer;
}

header .left_bx1 .content .check {
  display: flex;
  align-items: center;
  margin-top: 10px;
}

header .left_bx1 .content .check span{
  margin-left: 5px;
  font-size: 13px;
}

header .left_bx1 .content p{
  margin-top: 90px;
  text-align: center;
  font-size: 13px;
}

header .left_bx1 .content p a {
  text-decoration: none;
  color: #5adae0;
  font-weight: bold;
}

header .right_bx1 h3 {
  position: absolute;

```

```

background: #5adae0;
color: #000;
right: 0;
bottom: 20px;
padding: 3px 10px;
border-radius: 5px 0px 0px 5px;
font-size: 13px;
}

```

4.6 app.js

```

const music = new Audio('audio/1.mp3');
//music.play();

const songs = [
  {
    id: "1",
    songName: `On My Way<br><div class="subtitle">Alan Walker</div>`,
    poster: "img/1.jpg",
  },
  {
    id: "2",
    songName: `Pasoori<br><div class="subtitle">Ali Sethi . Shae
Gill</div>`,
    poster: "img/2.jpg",
  },
  {
    id: "3",
    songName: `Vande Mataram<br>
<div class="subtitle">Bankim Chandra
Chattopadhyay</div>`,
    poster: "img/3.jpg",
  },
  {
    id: "4",
    songName: `Lovely<br>
<div class="subtitle">Billie Eilish . Khalid</div>`,
    poster: "img/4.jpg",
  },
  {
    id: "5",
    songName: `Moh Moh Ke Dhaage<br>
<div class="subtitle">Monali Thakur</div>`,
    poster: "img/5.jpg",
  },
  {

```

```

    id: "6",
    songName: `Thousand Years<br>
                <div class="subtitle">Christina Perri</div>`,
    poster: "img/6.jpg",
  },
  {
    id: "7",
    songName: `Breathless<br>
                <div class="subtitle">Shankar Mahadevan</div>`,
    poster: "img/7.jpg",
  },
  {
    id: "8",
    songName: `Makhna<br>
                <div class="subtitle">Yasser Desai . Tanishk B</div>`,
    poster: "img/8.jpg",
  },
  {
    id: "9",
    songName: `Channa Mereya<br>
                <div class="subtitle">Arijit Singh</div>`,
    poster: "img/9.jpg",
  },
  {
    id: "10",
    songName: `Saami Saami<br>
                <div class="subtitle">Sunidhi Chauhan</div>`,
    poster: "img/10.jpg",
  },
  {
    id: "11",
    songName: `Tujhme Rab Dikhta Hain<br><div class="subtitle">Shreya
Goshal</div>`,
    poster: "img/11.jpg",
  },
  {
    id: "12",
    songName: `Manike<br><div class="subtitle">Yohani</div>`,
    poster: "img/12.jpg",
  },
  {
    id: "13",
    songName: `Cold Hours<br><div class="subtitle">Aleemrk . Umair</div>`,
    poster: "img/13.jpg",
  },
  {
    id: "14",
    songName: `Summer High<br><div class="subtitle">A.P. Dhillon</div>`,

```

```

        poster: "img/14.jpg",
    },
    {
        id: "15",
        songName: `Kesariya<br><div class="subtitle">Pritam . Arijit
Singh</div>`,
        poster: "img/15.jpg",
    },
    {
        id: "16",
        songName: `Deva Deva<br><div class="subtitle">Arijit. Jonita</div>`,
        poster: "img/16.jpg",
    },
    {
        id: "17",
        songName: `Varaha Roopam<br><div class="subtitle">Ajneesh
Loknath</div>`,
        poster: "img/17.jpg",
    },
    {
        id: "18",
        songName: `Ranjha<br><div class="subtitle">B Praak . Jasleen . Anvita
Dutt</div>`,
        poster: "img/18.jpg",
    },
    {
        id: "19",
        songName: `Doobey<br><div class="subtitle">OAFF . Savera</div>`,
        poster: "img/19.jpg",
    }
];

Array.from(document.getElementsByClassName('songItem')).forEach((e,i) => {
    e.getElementsByTagName('img')[0].src = songs[i].poster;
    e.getElementsByTagName('h5')[0].innerHTML = songs[i].songName;
});

//search data start
let search_results = document.getElementsByClassName('search_results')[0];

songs.forEach(element => {
    const {id, songName, poster} = element;
    let card = document.createElement('a');
    card.classList.add('card');
    card.href = "#" + id;
    card.innerHTML = `
        
        <div class="content">
    
```

```

        ${songName}
      </div>
    `;
    search_results.appendChild(card);
  });

let input = document.getElementsByTagName('input')[0];
input.addEventListener('keyup', () => {
  let input_value = input.value.toUpperCase();
  let items = search_results.getElementsByTagName('a');

  for(let index = 0; index < items.length; index++) {
    let as = items[index].getElementsByClassName('content')[0];
    let text_value = as.textContent || as.innerHTML;

    if (text_value.toUpperCase().indexOf(input_value) > -1) {
      items[index].style.display = "flex";
    } else {
      items[index].style.display = "none";
    }

    if (input.value == 0) {
      search_results.style.display = "none";
    } else {
      search_results.style.display = "";
    }
  }
});
//search data end

let masterPlay = document.getElementById('masterPlay');
let wave = document.getElementById('wave');

masterPlay.addEventListener('click', () => {
  if (music.paused || music.currentTime <= 0) {
    music.play();
    wave.classList.add('active1');
    masterPlay.classList.remove('bi-play-fill');
    masterPlay.classList.add('bi-pause-fill');
  } else {
    music.pause();
    wave.classList.remove('active1');
    masterPlay.classList.remove('bi-pause-fill');
    masterPlay.classList.add('bi-play-circle-fill');
  }
});

const makeAllplays = () => {

```



```

    Array.from(document.getElementsByClassName('playListPlay')).forEach((el)=>
    {
        el.classList.add('bi-play-circle-fill');
        el.classList.remove('bi-pause-circle-fill');
    })
}

const makeAllBackground = () => {
    Array.from(document.getElementsByClassName('songItem')).forEach((el)=>{
        el.style.background = 'rgb(105, 105, 105, .0)';
    })
}

let index = 0;
let poster_master_play = document.getElementById('poster_master_play');
let download_music = document.getElementById('download_music');
let title = document.getElementById('title');

Array.from(document.getElementsByClassName('playListPlay')).forEach((e) => {
    e.addEventListener('click', (el)=> {
        index = el.target.id;
        music.src = `audio/${index}.mp3`;
        poster_master_play.src = `img/${index}.jpg`;
        music.play();
        masterPlay.classList.remove('bi-play-fill');
        masterPlay.classList.add('bi-pause-fill');
        download_music.href = `audio/${index}.mp3`;
        let songTitles = songs.filter((els) => {
            return els.id == index;
        });

        songTitles.forEach(elss => {
            let {songName} = elss;
            title.innerHTML = songName;
            download_music.setAttribute('download', songName);
        });

        makeAllBackground();
        Array.from(document.getElementsByClassName('songItem'))[index-
1].style.background = "rgb(105, 105, 105, .1)";
        makeAllplays();
        el.target.classList.remove('bi-play-circle-fill');
        el.target.classList.add('bi-pause-circle-fill');
        wave.classList.add('active1');
    });
});

let currentStart = document.getElementById('currentStart');

```

```

let currentEnd = document.getElementById('currentEnd');
let seek = document.getElementById('seek');
let bar2 = document.getElementById('bar2');
let dot = document.getElementsByClassName('dot');

music.addEventListener('timeupdate', () => {
  let music_curr = music.currentTime;
  let music_dur = music.duration;

  let min1 = Math.floor(music_dur/60);
  let sec1 = Math.floor(music_dur%60);
  if(sec1<10){
    sec1 = `0${sec1}`;
  }
  currentEnd.innerText = `${min1}:${sec1}`;

  let min2 = Math.floor(music_curr/60);
  let sec2 = Math.floor(music_curr%60);
  if(sec2<10){
    sec2 = `0${sec2}`;
  }
  currentStart.innerText = `${min2}:${sec2}`;

  let progressBar = parseInt((music_curr/music_dur)*100);
  seek.value = progressBar;
  let seekbar = seek.value;
  bar2.style.width = `${seekbar}%`;
  dot.style.left = `${seekbar}%`;
});

seek.addEventListener('change', () => {
  music.currentTime = seek.value * music.duration / 100;
});

let vol_icon = document.getElementById('vol_icon');
let vol = document.getElementById('vol');
let vol_bar = document.getElementsByClassName('vol_bar')[0];
let vol_dot = document.getElementById('vol_dot');

vol.addEventListener('change', () => {
  if (vol.value == 0) {
    vol_icon.classList.remove('bi-volume-up-fill');
    vol_icon.classList.remove('bi-volume-down-fill');
    vol_icon.classList.add('bi-volume-off-fill');
  }
  if (vol.value > 0) {
    vol_icon.classList.remove('bi-volume-up-fill');

```

```

        vol_icon.classList.add('bi-volume-down-fill');
        vol_icon.classList.remove('bi-volume-off-fill');
    }
    if (vol.value > 50) {
        vol_icon.classList.add('bi-volume-up-fill');
        vol_icon.classList.remove('bi-volume-down-fill');
        vol_icon.classList.remove('bi-volume-off-fill');
    }
    let vol_a = vol.value;
    vol_bar.style.width = `${vol_a}%`;
    vol_dot.style.left = `${vol_a}%`;
    music.volume = vol_a / 100;
});

let back = document.getElementById('back');
let next = document.getElementById('next');

back.addEventListener('click', () => {
    index -= 1;
    if (index < 1)
    {
        index =
Array.from(document.getElementsByClassName('songItem')).length;
    }
    music.src = `audio/${index}.mp3`;
    poster_master_play.src = `img/${index}.jpg`;
    music.play();
    masterPlay.classList.remove('bi-play-fill');
    masterPlay.classList.add('bi-pause-fill');

    let songTitles = songs.filter((els) => {
        return els.id == index;
    });

    songTitles.forEach(elss => {
        let {songName} = elss;
        title.innerHTML = songName;
    });

    makeAllBackground();
    Array.from(document.getElementsByClassName('songItem'))[index-
1].style.background = "rgb(105, 105, 105, .1)";
    makeAllplays();
    el.target.classList.remove('bi-play-circle-fill');
    el.target.classList.add('bi-pause-circle-fill');
    wave.classList.add('active1');
});

```

```

next.addEventListener('click', () => {
  index++;
  if (index >
Array.from(document.getElementsByClassName('songItem')).length) {
    index = 1;
  }
  music.src = `audio/${index}.mp3`;
  poster_master_play.src = `img/${index}.jpg`;
  music.play();
  masterPlay.classList.remove('bi-play-fill');
  masterPlay.classList.add('bi-pause-fill');

  let songTitles = songs.filter((els) => {
    return els.id == index;
  });

  songTitles.forEach(elss => {
    let {songName} = elss;
    title.innerHTML = songName;
  });

  makeAllBackground();
  Array.from(document.getElementsByClassName('songItem'))[index-
1].style.background = "rgb(105, 105, 105, .1)";
  makeAllplays();
  el.target.classList.remove('bi-play-circle-fill');
  el.target.classList.add('bi-pause-circle-fill');
  wave.classList.add('active1');
})

let pop_song_left = document.getElementById('pop_song_left');
let pop_song_right = document.getElementById('pop_song_right');
let pop_song = document.getElementsByClassName('pop_song')[0];

pop_song_right.addEventListener('click', () => {
  pop_song.scrollLeft += 330;
});
pop_song_left.addEventListener('click', () => {
  pop_song.scrollLeft -= 330;
});

let pop_art_left = document.getElementById('pop_art_left');
let pop_art_right = document.getElementById('pop_art_right');
let item = document.getElementsByClassName('item')[0];

```

```

pop_art_right.addEventListener('click', () => {
  item.scrollLeft += 330;
});
pop_art_left.addEventListener('click', () => {
  item.scrollLeft -= 330;
});

let shuffle = document.getElementsByClassName('shuffle')[0];

shuffle.addEventListener('click', () => {
  let a = shuffle.innerHTML;

  switch (a) {
    case "next":
      shuffle.classList.add('bi-arrow-repeat');
      shuffle.classList.remove('bi-music-note-beamed');
      shuffle.classList.remove('bi-shuffle');
      shuffle.innerHTML = 'repeat';
      break;
    case "repeat":
      shuffle.classList.remove('bi-arrow-repeat');
      shuffle.classList.remove('bi-music-note-beamed');
      shuffle.classList.add('bi-shuffle');
      shuffle.innerHTML = 'random';
      break;
    case "random":
      shuffle.classList.remove('bi-arrow-repeat');
      shuffle.classList.add('bi-music-note-beamed');
      shuffle.classList.remove('bi-shuffle');
      shuffle.innerHTML = 'next';
      break;
  }
});

const next_music = () => {
  if(index == songs.length) {
    index = 1;
  } else {
    index++;
  }
  music.src = `audio/${index}.mp3`;
  poster_master_play.src = `img/${index}.jpg`;
  music.play();
  masterPlay.classList.remove('bi-play-fill');

```

```

masterPlay.classList.add('bi-pause-fill');
download_music.href = `audio/${index}.mp3`;
let songTitles = songs.filter((els) => {
  return els.id == index;
});

songTitles.forEach(elss => {
  let {songName} = elss;
  title.innerHTML = songName;
  download_music.setAttribute('download', songName);
});

makeAllBackground();
Array.from(document.getElementsByClassName('songItem'))[index-
1].style.background = "rgb(105, 105, 105, .1)";
makeAllplays();
el.target.classList.remove('bi-play-circle-fill');
el.target.classList.add('bi-pause-circle-fill');
wave.classList.add('active1');
}

const repeat_music = () => {
  index;
  music.src = `audio/${index}.mp3`;
  poster_master_play.src = `img/${index}.jpg`;
  music.play();
  masterPlay.classList.remove('bi-play-fill');
  masterPlay.classList.add('bi-pause-fill');
  download_music.href = `audio/${index}.mp3`;
  let songTitles = songs.filter((els) => {
    return els.id == index;
  });

  songTitles.forEach(elss => {
    let {songName} = elss;
    title.innerHTML = songName;
    download_music.setAttribute('download', songName);
  });

  makeAllBackground();
  Array.from(document.getElementsByClassName('songItem'))[index-
1].style.background = "rgb(105, 105, 105, .1)";
  makeAllplays();
  el.target.classList.remove('bi-play-circle-fill');
  el.target.classList.add('bi-pause-circle-fill');
  wave.classList.add('active1');
}

```

```

const random_music = () => {
  if(index == songs.length) {
    index = 1;
  } else {
    index = Math.floor((Math.random()*songs.length) + 1);
  }
  music.src = `audio/${index}.mp3`;
  poster_master_play.src = `img/${index}.jpg`;
  music.play();
  masterPlay.classList.remove('bi-play-fill');
  masterPlay.classList.add('bi-pause-fill');
  download_music.href = `audio/${index}.mp3`;
  let songTitles = songs.filter((els) => {
    return els.id == index;
  });

  songTitles.forEach(elss => {
    let {songName} = elss;
    title.innerHTML = songName;
    download_music.setAttribute('download', songName);
  });

  makeAllBackground();
  Array.from(document.getElementsByClassName('songItem'))[index-
1].style.background = "rgb(105, 105, 105, .1)";
  makeAllplays();
  el.target.classList.remove('bi-play-circle-fill');
  el.target.classList.add('bi-pause-circle-fill');
  wave.classList.add('active1');
}

music.addEventListener('ended', () => {
  let b = shuffle.innerHTML;
  switch(b) {
    case 'repeat':
      repeat_music();
      break;
    case 'next':
      next_music();
      break;
    case 'random':
      random_music();
      break;
  }
})

```

The scripts signup.php and login.php serve as authentication sub-system user interface. The db_connect.php is scripted to connect the database to the music player system.

The welcome.php page serves as the main user feed when the user logs in. The style.css page is scripted to style the music player webapp and the controls and operations are handled using app.js.

The Artists sub-section is also designed on the lines of welcome.php, style.css and app.js.

4.7 Implementation

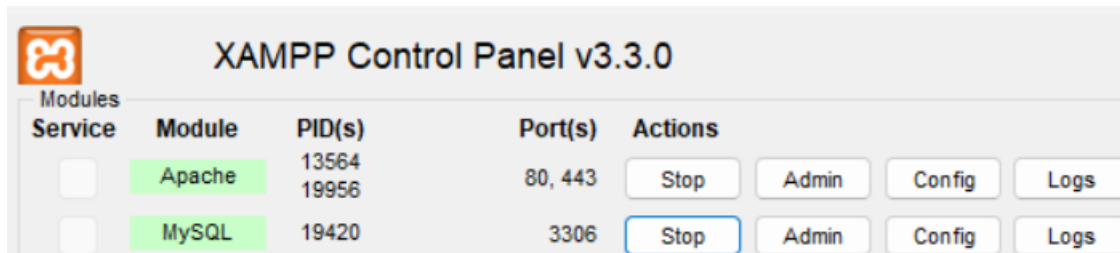


Fig 4.7.1: Initializing XAMPP Control Panel for MySQL database connections and PHP demonstration.

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
<input type="checkbox"/> 1	id	int(11)			No	None		AUTO_INCREMENT
<input type="checkbox"/> 2	user	varchar(255)	utf8mb4_general_ci		No	None		
<input type="checkbox"/> 3	email	varchar(255)	utf8mb4_general_ci		No	None		
<input type="checkbox"/> 4	password	varchar(100)	utf8mb4_general_ci		No	None		
<input type="checkbox"/> 5	dt	timestamp			No	current_timestamp()		ON UPDATE CURRENT_TIMESTAMP()

Fig 4.7.2: Creating 'user' table

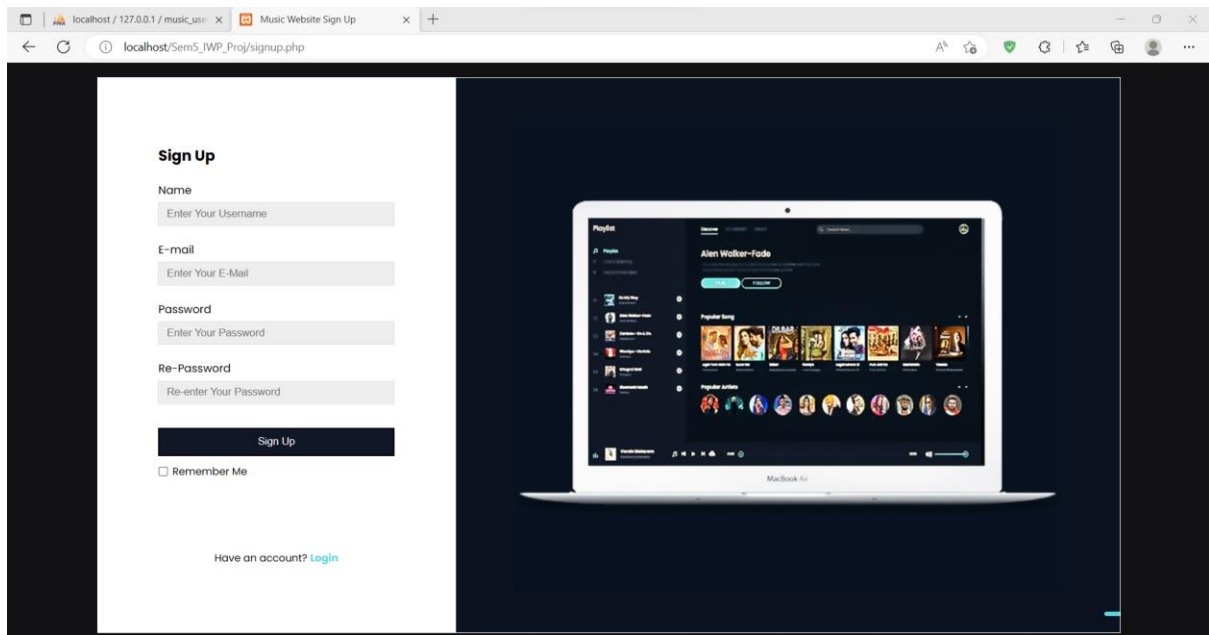


Fig 4.7.3: Sign-Up Page

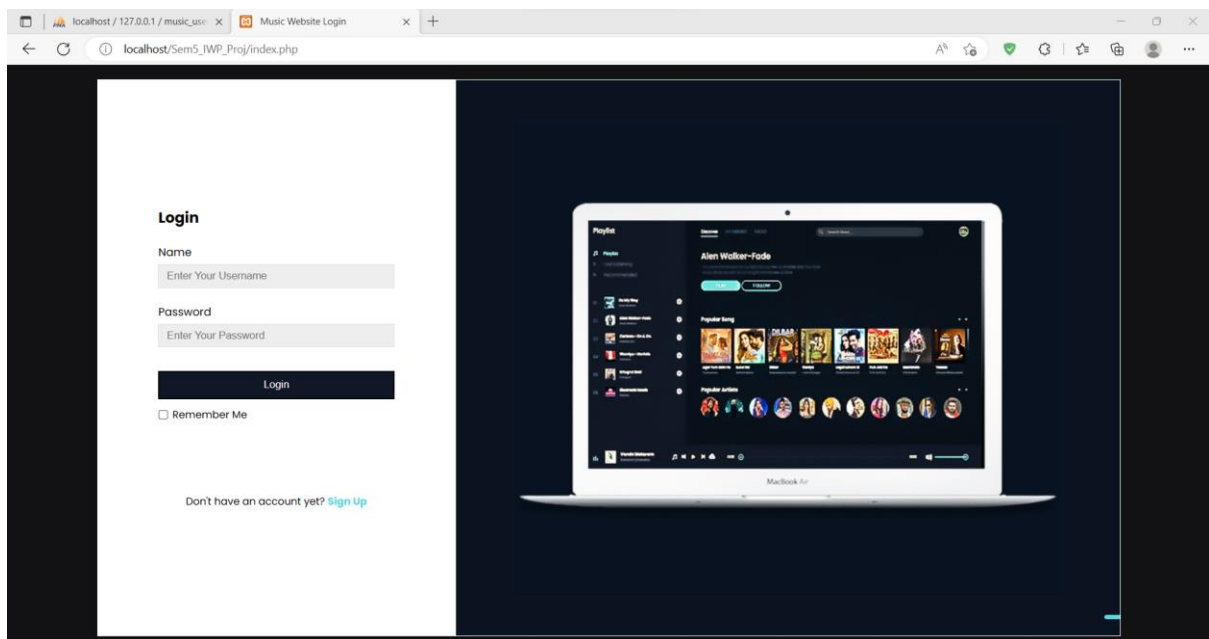


Fig 4.7.4: Login Page

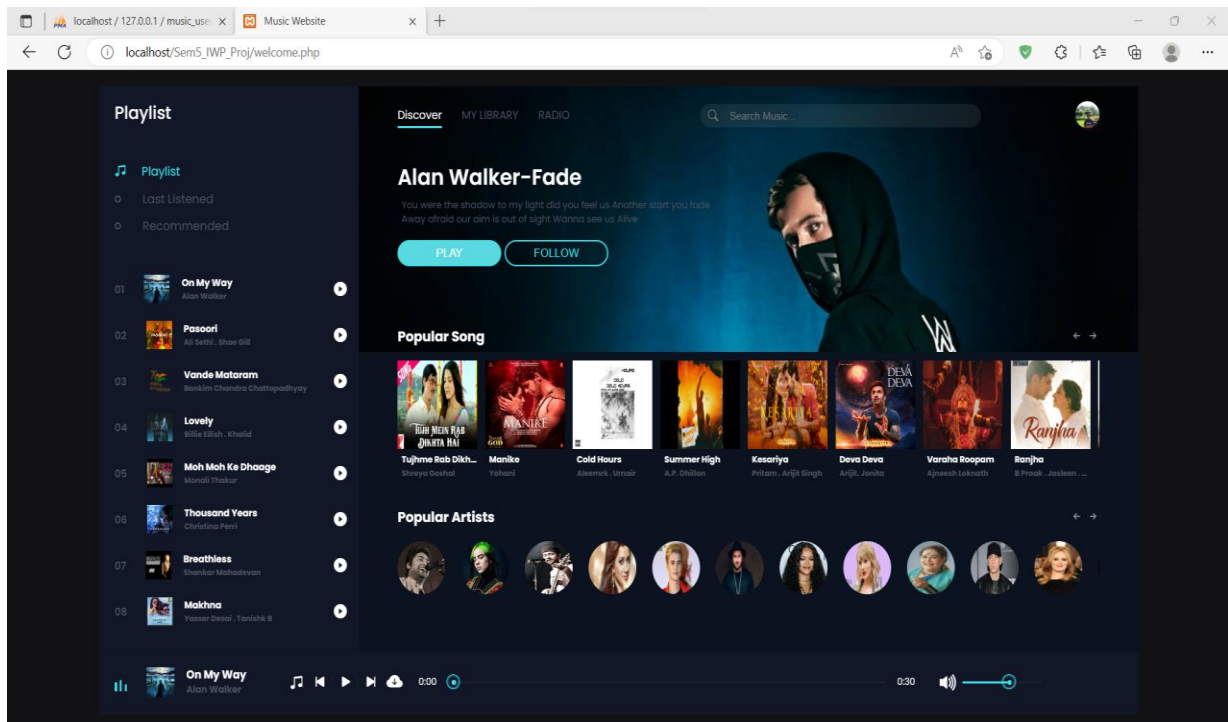


Fig 4.7.5: Main User Feed Page

Consist of Playlist, Search Playlist, Trending Songs, Popular Artists and Music Controls.

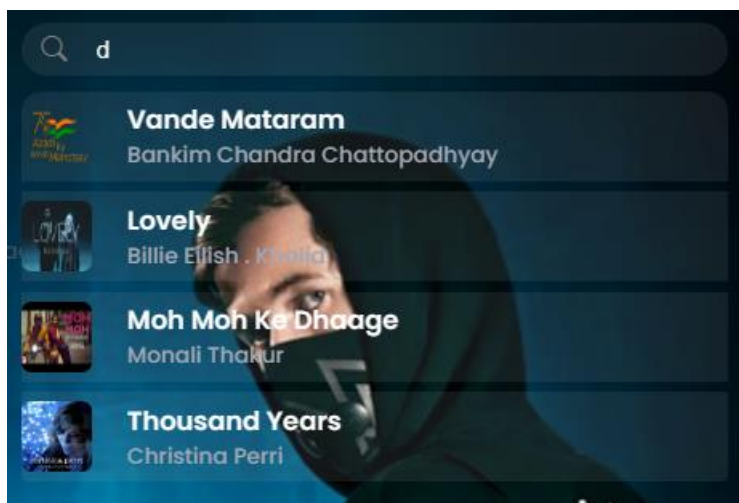


Fig 4.7.6: Search Playlist



Fig 4.7.7: Music Controls

Includes Volume control, Download, Back & Next, Skip, and Shuffle/Repeat options.

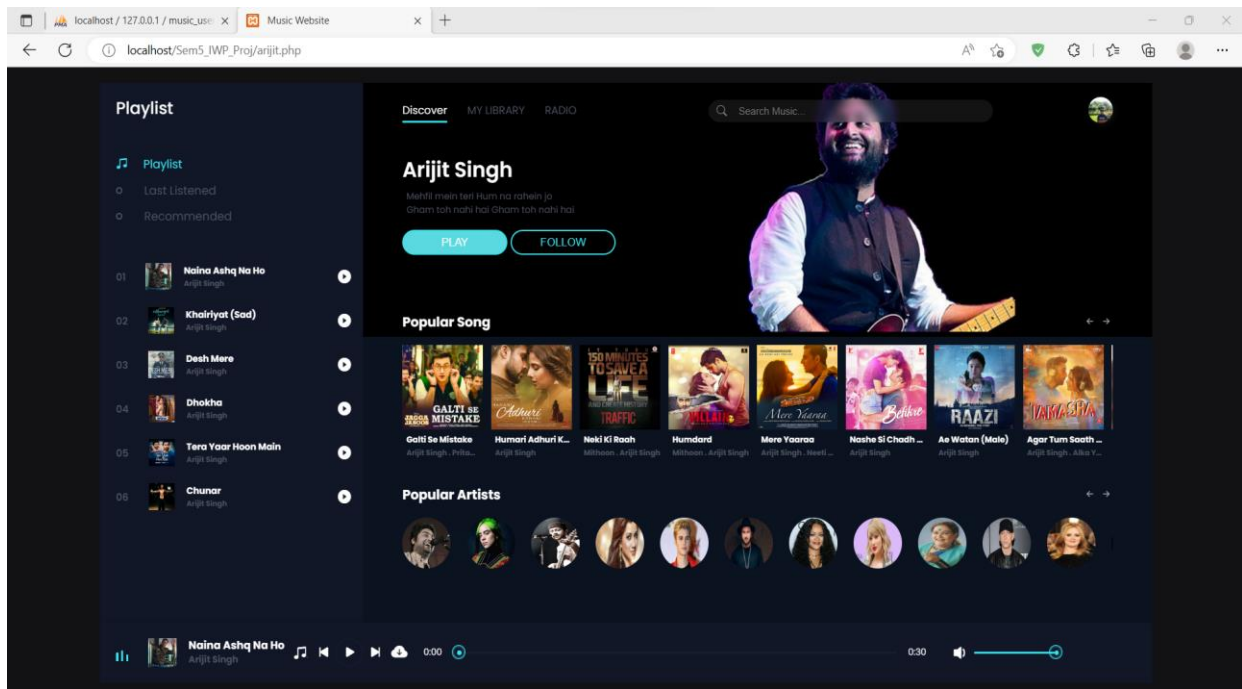


Fig 4.7.8: On clicking on desired popular artist's image, it redirects to the playlist page of the artist.

5. Conclusion

A Music Player Site has been successfully designed and implemented. Both front-end and back-end modules have been implemented using HTML, CSS, JS, PHP & MySQL.

This ideation and prototyping can serve as a foundation layer for ML-integrated Secured Layer models which can use this Website design as their UI. The proposed UI has been designed in such a way keeping in mind the modest functionalities the website has and the ultimate user experience.

6. References

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