

# **Experience the Harmony of Sound: Elevate Your Listening with Our Online Audio Streaming Service!**

## **Abstract:**

Immerse yourself in a world of endless melodies and beats as you embark on a sonic journey like never before. Our online audio streaming service offers a symphony of features that will make your ears tingle with delight. Enjoy uninterrupted access to your favourite songs and playlists, all at your fingertips. Our platform offers a seamless and user-friendly experience, allowing users to access a vast library of audio content, including music, podcasts, audiobooks from any internet-connected device. This platform offers a diverse and extensive library of songs from various genres and eras, accessible through a user-friendly interface across multiple devices. It is designed in such a way that it can be accessed by people under any category effortlessly.

## **Objectives :**

### **1.Content Storage and Management:**

- Set up a secure and scalable content storage system.
- Implement content management tools for organizing and cataloging music.

### **2. Audio Encoding and Quality Control:**

- Ensure high-quality audio encoding for optimal sound.

### **3. User Interface and Design:**

Design an intuitive and appealing user interface (UI) for web and mobile apps.

- Optimize for different screen sizes and devices.
- Contains attractive home , sign in , now playing pages.

#### **4. Music Discovery and Recommendation:**

- Implement algorithms for personalized music recommendations.
- And Create features for exploring new music and playlists.

#### **5. Launch and Deployment:**

- Deploy the service on a reliable hosting platform.
- Monitor server performance and user activity.

#### **6. Continuous Improvement:**

- Gather user feedback and make regular updates to improve the service.
- Stay updated with industry trends and technologies.

### **Experiments Carried Out:**

#### **Code Implementation:**

**Front End:** HTML, CSS and JavaScript

#### **Home :**

```
<!DOCTYPE html>
<html lang= en >
<head>
<meta charset= UTF-8 >
<meta name= viewport content= width=device-width, initial-scale=1.0 >
<title>Music Player</title>
<link rel= stylesheet href= sle1.css >
```

```
<link rel="stylesheet" href="https://fonts.googleapis.com/icon?family=Material+Icons">
```

```
</head>
```

```
<body>
```

```
 <div class="links">
```

```
   
```

```
   <h1 class="header">Music Streaming</h1>
```

```
 </div>
```

```
 <div class="links">
```

```
   <a href="about.html" class="b1">ABOUT</a>&nbsp;&nbsp;
```

```
   <a href="feedb.html" class="b1">FEEDBACK</a>&nbsp;&nbsp;
```

```
   <a href="mainlogin.php" class="b1">LOG OUT</a>
```

```
 </div>
```

```
 <div class="boxx">
```

```
   <div class="wrapper">
```

```
     <div class="top-bar">
```

```
       <span><b style="color:black;font-weight:600px;">Now  
Playing</b> : </span>
```

```
     </div>
```

```
<div class= img-area >  
  <img src= alt= >  
  </div>  
  
<div class= song-details >  
  <p class= name ></p>  
  <p class= artist ></p>  
  </div>  
  
<div class= progress-area >  
  <div class= progress-bar >  
    <audio id= main-audio src= ></audio>  
  </div>  
  
<div class= song-timer >  
  <span class= current-time >0:00</span>  
  <span class= max-duration >0:00</span>  
  </div>  
  </div>  
  
<div class= controls >  
  <i id= repeat-plist class= material-icons title= Playlist looped  
>repeat</i>  
  <i id= prev class= material-icons >skip_previous</i>  
  <div class= play-pause >  
    <i class= material-icons play >play_arrow</i>  
  </div>  
  <i id= next class= material-icons >skip_next</i>  
  <i id= more-music class= material-icons >queue_music</i>
```

```
</div>

<div class= music-list >

<div class= header >

<div class= row >

<span><b style="color:Purple;">Music list</b></span>

</div>

<i id= close class= material-icons >close</i>

</div>

<ul>

</ul>

</div>

</div>

</div>

<div id= wrapper12 >

<h2 style="color:Rose;font-weight: 500;"> Song

List:</h2><br><hr><br>

<ul type="circle">

<li><b>Name</b> :<h4> Destiny

</h4><b>Artist</b> : <h4> Neffex </h4></li><br><hr><br>

<li><b>Name</b> :<h4> Grateful

</h4><b>Artist</b> : <h4> Neffex </h4></li><br><hr><br>
```

<li><b>Name</b> :<h4> Hope  
</h4><b>Artist</b> : <h4> Neffex </h4></li><br><hr><br>

<li><b>Name</b> :<h4> Life  
</h4><b>Artist</b> : <h4> Neffex </h4></li><br><hr><br>

<li><b>Name</b> :<h4> Rumors  
</h4><b>Artist</b> : <h4> Neffex </h4></li><br><hr><br>

<li><b>Name</b> :<h4> Sorry  
</h4><b>Artist</b> : <h4> Justin Bieber </h4></li><br><hr><br>

<li><b>Name</b> :<h4> Starboy  
</h4><b>Artist</b> : <h4> Weeknd </h4></li><br><hr><br>

<li><b>Name</b> :<h4> Fight Back  
</h4><b>Artist</b> : <h4> Neffex </h4></li><br><hr><br>

<li><b>Name</b> :<h4> Step On Up  
                  </h4><b>Artist</b>      :      <h4>          Aiana      Grande  
</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Reminder  
</h4><b>Artist</b> : <h4> Weeknd </h4></li><br><hr><br>

<li><b>Name</b> :<h4> Unforgettable  
</h4><b>Artist</b> : <h4> French  
Motana</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Wolves  
</h4><b>Artist</b> : <h4> Selena  
Gomez</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Anywhere  
</h4><b>Artist</b> : <h4> Ikson</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Harley Bird  
</h4><b>Artist</b> : <h4> Jordan Schor</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Adiye  
</h4><b>Artist</b> : <h4> GV Prakash</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Beauz & Jvna  
</h4><b>Artist</b> : <h4> Beauz & Jvna</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Alone  
</h4><b>Artist</b> : <h4> Alan Walker</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Want Me

</h4><b>Artist</b> : <h4> Mike  
Archangelo</h4></li><br><hr><br>

<li><b>Name</b> :<h4> After Hours  
</h4><b>Artist</b> : <h4> Weeknd</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Jim - Sun Goes Down  
</h4><b>Artist</b> : <h4> Jim Yosef</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Lost Sky - Vision NCS  
</h4><b>Artist</b> : <h4> NCS Release</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Animals  
</h4><b>Artist</b> : <h4> Maroon</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Attention  
</h4><b>Artist</b> : <h4> Charlie Puth</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Blackbear  
</h4><b>Artist</b> : <h4> Chill Nation</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Blinding Lights  
</h4><b>Artist</b> : <h4> Weeknd</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Calm Down

</h4><b>Artist</b> : <h4> Rema</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Closer

</h4><b>Artist</b> : <h4> The  
Chainsmokers</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Blankspace

</h4><b>Artist</b> : <h4> Taylor Swift</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Die For You

</h4><b>Artist</b> : <h4> Weeknd , Ariana Grande  
</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Ghost

</h4><b>Artist</b> : <h4> Justin Bieber</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Let Me Love You

</h4><b>Artist</b> : <h4> Dj Snake</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Where We Started

</h4><b>Artist</b> : <h4> Lost Sky</h4></li><br><hr><br>

<li><b>Name</b> :<h4> My Baby Love Your Voice

</h4><b>Artist</b> : <h4> Jony</h4></li><br><hr><br>

```
<li><b>Name</b> :<h4> All These Thoughts
</h4><b>Artist</b> : <h4> Neffex</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Careless
</h4><b>Artist</b> : <h4> Neffex</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Chance
</h4><b>Artist</b> : <h4> Neffex</h4></li><br><hr><br>

<li><b>Name</b> :<h4> Cold
</h4><b>Artist</b> : <h4> Neffex </h4></li><br><hr>
</ul>
</div>

<footer><p style="color:green;">&ampnbsp&ampnbsp&copy music
streaming</p></footer>
<script src= js/music-list.js ></script>
<script src= js/script.js ></script>

</body>
</html>
```

## **Signup:**

```
<?php  
    include("connection.php");  
    include("signup.php")  
?>  
<!doctype html>  
<html lang="en">  
    <head>  
        <meta charset="utf-8">  
        <meta name="viewport" content="width=device-width, initial-scale=1">  
        <title>SignUp</title>  
        <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-KK94CHFLLe+nY2dmCWGMq91rCGa5gtU4mk92HdvYe+M/SXH301p5ILy+dN9+nJOZ" crossorigin="anonymous">  
        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.2.0/css/all.min.css" rel="stylesheet" />  
        <link rel="stylesheet" href="style.css" />  
    </head>  
    <body style="background-image: url(Backg.jpg);background-size:cover;font-family: Arial, sans-serif;">  
        <br>  
        
```

```
        <h1 style="color: aquamarine; margin-top: 100px  
position: absolute;">Music Streaming</h1>  
  
<div id="form">  
  
    <h1 id="heading">SignUp</h1><br>  
    <form name="form" action="signup.php" method="POST">  
        <i class="fa fa-user fa-lg"></i>  
        <input type="text" id="user" name="user"  
placeholder="Enter Username" required><br><br>  
        <i class="fa-solid fa-envelope fa-lg"></i>  
        <input type="email" id="email" name="email"  
placeholder="Enter Email" required><br><br>  
        <i class="fa-solid fa-lock fa-lg"></i>  
        <input type="password" id="pass" name="pass"  
placeholder="Create Password" required><br><br>  
        <i class="fa-solid fa-lock fa-lg"></i>  
        <input type="password" id="cpass" name="cpass"  
placeholder="Retype Password" required><br><br>  
        <input type="submit" id="btn" value="SignUp" name =  
"submit"/><br><br>  
        <a href="mainlogin.php" id="btn" style="text-  
decoration:none;">Signin</a>  
    </form>  
  </div>  
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-  
alpha3/dist/js/bootstrap.bundle.min.js" integrity="sha384-  
ENjdO4Dr2bkBIFxQpeoTz1HICje39Wm4jDKdf19U8gI4ddQ3GYNS  
7NTKfAdVQSZe" crossorigin="anonymous"></script>
```

```
</body>  
</html>
```

## **Login :**

```
<?php  
    include("connection.php");  
    include("signup.php");  
?>  
<!doctype html>  
<html lang="en">  
    <head>  
        <meta charset="utf-8">  
            <meta name="viewport" content="width=device-width, initial-scale=1">  
        <title>SignUp</title>  
            <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-KK94CHFLLe+nY2dmCWGMq91rCGa5gtU4mk92HdvYe+M/SXH301p5ILy+dN9+nJOZ" crossorigin="anonymous">  
                <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.2.0/css/all.min.css">  
        <link rel="stylesheet" href="style.css">  
    </head>  
    <body style="color:black;">  
        
```

```
<h1 style="margin-top: 50px; color: aquamarine;">Music  
Streaming</h1>  
  
<link rel="stylesheet" type="text/css" href="log.css">  
  
    <div class="login-container" style="width: 600px;  
padding:50px;margin-top:100px;">  
  
        <h2>LOGIN</h2>  
  
        <form id="login-form" action="login.php" method="post">  
  
            <b>Username:&nbsp;</b>  
  
            <input type="text" id="username" name="user" required  
placeholder="eg.username123">  
  
            <br>  
  
            <b>Password:</b>&nbsp;  
  
            <input type="password" id="password" name="pass" required  
placeholder="min 8 characters required">  
  
            <br><br><br>  
  
            <input type="submit" style="background-color: #32d472;color:  
rgb(0, 0, 0);text-decoration:unset;border-radius: 4px;padding:13px  
90px;" value="Login" name = "submit"/><br><br>  
  
            <h5 align="center">Don't have an account? <a  
style="color:darkblue;" href="index.php">Signup</a></h5>  
  
        </form>  
    </div>  
  
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-  
alpha3/dist/js/bootstrap.bundle.min.js" integrity="sha384-  
"
```

```
ENjdO4Dr2bkBIFxQpeoTz1HIcje39Wm4jDKdfI9U8gI4ddQ3GYNS
7NTKfAdVQSZe" crossorigin="anonymous"></script>
</body></html>
```

## Connection with database: using php and mysql

```
<?php
    $servername = "localhost";
    $username = "root";
    $password = "";
    $db_name = "db2";
    $conn = new mysqli($servername, $username, $password,
$db_name, 3306);
    if($conn->connect_error){
        die("Connection failed".$conn->connect_error);
    }
    echo "";
?>
```

```
<?php
    include('connection.php');
    if (isset($_POST['submit'])) {
        $username = mysqli_real_escape_string($conn, $_POST['user']);
        $email = mysqli_real_escape_string($conn, $_POST['email']);
        $password = mysqli_real_escape_string($conn, $_POST['pass']);
        $cpassword = mysqli_real_escape_string($conn,
$_POST['cpass']);
```

```
$sql = "Select * from signup1 where username='\$username'";
$result = mysqli_query($conn, $sql);
$count_user = mysqli_num_rows($result);
```

```
$sql = "Select * from signup1 where email='\$email'";
$result = mysqli_query($conn, $sql);
$count_email = mysqli_num_rows($result);
```

```
if($count_user == 0 && $count_email==0){
```

```
    if($password == $cpassword) {
```

```
        $hash = $password;
```

```
        // Password Hashing is used here.
```

```
        $sql = "INSERT INTO signup1(username, email, password)
VALUES('\$username', '\$email', '\$hash')";
```

```
        $result = mysqli_query($conn, $sql);
```

```
        if ($result) {
```

```
            header("Location: mainlogin.php");
```

```
        }
    }

else {
    echo '<script>
        alert("Passwords do not match")
        window.location.href = "index.php";
    </script>';
}

}

else{
    if($count_user>0){
        echo '<script>
            window.location.href = "index.php";
            alert("Username already exists!!")
        </script>';
    }

    if($count_email>0){
        echo '<script>
            window.location.href = "index.php";
            alert("Email already exists!!")
        </script>';
    }
}
?>
```

```
<?php
    include('connection.php');
    if (isset($_POST['submit'])) {
        $username = $_POST['user'];
        $password = $_POST['pass'];

        $sql = "select * from signup1 where username = '$username' and password = '$password'";
        $result = mysqli_query($conn, $sql);
        $row = mysqli_fetch_array($result, MYSQLI_ASSOC);
        $count = mysqli_num_rows($result);

        if($count == 1){
            header("Location: musichome.php");
        }
        else{
            echo '<script>
                window.location.href = "mainlogin.php";
                alert("Login failed. Invalid username or password!!")
            </script>';
        }
    }
?>
```

## About :

```
<!DOCTYPE html>

<html>

<head>

    <meta charset="UTF-8">

    <title>About Our Music Streaming Service</title>

    <style>

        /* Add your CSS styles here */

        body {

            font-family: Arial, sans-serif;

            margin: 20px;

        }

        .hed1 {

            font-weight: 800;

            color:rgb(181, 243, 140);

            align-items: center;

        }

        body{

            background-image:url(Backg.jpg);

            height: 100%;

            overflow: hidden;

            background-position: center;

            background-repeat: repeat;

            background-size: cover;

            color:bisque;

        }

    </style>

</head>

<body>

    <h1 class="hed1">

        About Our Music Streaming Service

    </h1>

    <p>Our service offers a wide range of music tracks for streaming. We have a user-friendly interface and a clean design. Our goal is to provide a great listening experience for everyone. We hope you enjoy our service!</p>

</body>

</html>
```

```
        }
```

```
    h2{
```

```
        color:rgb(144, 232, 72);
```

```
    }
```

```
    .pp{
```

```
        color: rgb(188, 231, 17);
```

```
    }
```

```
    a{
```

```
        color:red;
```

```
    }
```

```
</style>
```

```
</head>
```

```
<body>
```

```
    <header>
```

```
        <h1 class="hed1">About Our Music Streaming Service</h1>
```

```
    </header>
```

```
    <br><br>
```

```
    <section>
```

```
        <h2>Who We Are</h2>
```

```
        <p>Welcome to our music streaming platform! We are  
        passionate about music and dedicated to providing an exceptional  
        listening experience for music lovers worldwide.</p>
```

```
    </section>
```

```
<section>
```

```
    <h2>Our Mission</h2>
```

```
        <p>Our mission is to connect people with their favorite music,  
        offering a vast library of songs, playlists, and innovative features that  
        make discovering and enjoying music a delightful journey.</p>
```

```
    </section>
```

```
<section>
```

```
    <h2>Key Features</h2>
```

```
    <ul>
```

```
        <li>Access to millions of songs</li>
```

```
        <li>Personalized playlists and recommendations</li>
```

```
        <li>High-quality audio streaming</li>
```

```
        <li>Offline listening</li>
```

```
        <li>Support for all major devices</li>
```

```
    </ul>
```

```
    </section>
```

```
<section>
```

```
    <h2>Contact Us</h2>
```

```
        <p class="pp">If you have any questions or feedback, please  
        don't hesitate to contact us:</p>
```

```
        <address>
```

```
            Email: <a
```

```
                href="mailto:contact@musicstreaming.com">contact@yourmusicstre  
                aming.com</a><br>
```

Phone: +1-123-456-7890

</address>

</section>

<footer>

<br><br><br>

© 2023 Music Streaming Service

</footer>

</body>

</html>

## **Feedback:**

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>User Feedback</title>
    <link rel="stylesheet" href="feed.css">
</head>
<body><br><br><br><br><br><br><br>
<section class="feedback-section">
    <h2 style="color: pink;">How satisfied are you <br> with our services?</h2><br><br><br>
    <div class="rating">
        <div class="child unhappy">
```

```
<p> 😢 </p>
<h3>Unhappy</h3>
</div>

<div class="child happy ">
    <p> 😊 </p>
    <h3>Happy</h3>
</div>

<div class="child satisfied">
    <p> 😋 </p>
    <h3>Satisfied</h3>
</div>
</div>

<div class="feedback-btn">
    <button id="btn" type="button">Send
    Review</button>&nbsp;&nbsp;
    <a href="musichome.php">Go Back</a>
</div>
</section>

<script src="js/index.js"></script>
</body>
</html>
```

## **Javascript :**

```
const wrapper = document.querySelector(".wrapper"),
musicImg = wrapper.querySelector(".img-area img"),
musicName = wrapper.querySelector(".song-details .name"),
musicArtist = wrapper.querySelector(".song-details .artist"),
playPauseBtn = wrapper.querySelector(".play-pause"),
prevBtn = wrapper.querySelector("#prev"),
nextBtn = wrapper.querySelector("#next"),
mainAudio = wrapper.querySelector("#main-audio"),
progressArea = wrapper.querySelector(".progress-area"),
progressBar = progressArea.querySelector(".progress-bar"),
musicList = wrapper.querySelector(".music-list"),
moreMusicBtn = wrapper.querySelector("#more-music"),
closemoreMusic = musicList.querySelector("#close");

let musicIndex = Math.floor((Math.random() * allMusic.length) + 1);
isMusicPaused = true;

window.addEventListener("load", ()=>{
    loadMusic(musicIndex);
    playingSong();
});

function loadMusic(indexNumb){
    musicName.innerText = allMusic[indexNumb - 1].name;
```

```
musicArtist.innerText = allMusic[indexNumb - 1].artist;
musicImg.src = `images/${allMusic[indexNumb - 1].src}.jpg`;
mainAudio.src = `songs/${allMusic[indexNumb - 1].src}.mp3`;
}

//play music function
function playMusic(){
    wrapper.classList.add("paused");
    playPauseBtn.querySelector("i").innerText = "pause";
    mainAudio.play();
}

//pause music function
function pauseMusic(){
    wrapper.classList.remove("paused");
    playPauseBtn.querySelector("i").innerText = "play_arrow";
    mainAudio.pause();
}

//prev music function
function prevMusic(){
    musicIndex--; //decrement of musicIndex by 1
    //if musicIndex is less than 1 then musicIndex will be the array length
    so the last music play
```

```
    musicIndex < 1 ? musicIndex = allMusic.length : musicIndex =  
musicIndex;  
    loadMusic(musicIndex);  
    playMusic();  
    playingSong();  
}  
  
//next music function  
function nextMusic(){  
    musicIndex++; //increment of musicIndex by 1  
    //if musicIndex is greater than array length then musicIndex will be 1  
    so the first music play  
    musicIndex > allMusic.length ? musicIndex = 1 : musicIndex =  
musicIndex;  
    loadMusic(musicIndex);  
    playMusic();  
    playingSong();  
}  
  
// play or pause button event  
playPauseBtn.addEventListener("click", ()=>{  
    const isMusicPlay = wrapper.classList.contains("paused");  
    //if isPlayMusic is true then call pauseMusic else call playMusic  
    isMusicPlay ? pauseMusic() : playMusic();  
    playingSong();  
});
```

```
//prev music button event
prevBtn.addEventListener("click", ()=>{
    prevMusic();
});

//next music button event
nextBtn.addEventListener("click", ()=>{
    nextMusic();
});

// update progress bar width according to music current time
mainAudio.addEventListener("timeupdate", (e)=>{
    const currentTime = e.target.currentTime; //getting playing song
    currentTime

    const duration = e.target.duration; //getting playing song total duration
    let progressWidth = (currentTime / duration) * 100;
    progressBar.style.width = `${progressWidth}%`;

    let musicCurrentTime = wrapper.querySelector(".current-time"),
        musicDuartion = wrapper.querySelector(".max-duration");
    mainAudio.addEventListener("loadeddata", ()=>{
        // update song total duration
        let mainAdDuration = mainAudio.duration;
        let totalMin = Math.floor(mainAdDuration / 60);
```

```
let totalSec = Math.floor(mainAdDuration % 60);
if(totalSec < 10){ //if sec is less than 10 then add 0 before it
    totalSec = `0${totalSec}`;
}
musicDuartion.innerText = `${totalMin}:${totalSec}`;
});

// update playing song current time
let currentMin = Math.floor(currentTime / 60);
let currentSec = Math.floor(currentTime % 60);
if(currentSec < 10){ //if sec is less than 10 then add 0 before it
    currentSec = `0${currentSec}`;
}
musicCurrentTime.innerText = `${currentMin}:${currentSec}`;
});

// update playing song currentTime on according to the progress bar
width
progressArea.addEventListener("click", (e)=>{
    let progressWidth = progressArea.clientWidth; //getting width of
    progress bar
    let clickedOffsetX = e.offsetX; //getting offset x value
    let songDuration = mainAudio.duration; //getting song total duration

    mainAudio.currentTime = (clickedOffsetX / progressWidth) *
    songDuration;
    playMusic(); //calling playMusic function
```

```
playingSong();
});

//change loop, shuffle, repeat icon onclick
const repeatBtn = wrapper.querySelector("#repeat-plist");
repeatBtn.addEventListener("click", ()=>{
    let getText = repeatBtn.innerText; //getting this tag innerText
    switch(getText){
        case "repeat":
            repeatBtn.innerText = "repeat_one";
            repeatBtn.setAttribute("title", "Song looped");
            break;
        case "repeat_one":
            repeatBtn.innerText = "shuffle";
            repeatBtn.setAttribute("title", "Playback shuffled");
            break;
        case "shuffle":
            repeatBtn.innerText = "repeat";
            repeatBtn.setAttribute("title", "Playlist looped");
            break;
    }
});

//code for what to do after song ended
mainAudio.addEventListener("ended", ()=>{
```

```
// we'll do according to the icon means if user has set icon to
// loop song then we'll repeat the current song and will do accordingly
let getText = repeatBtn.innerText; //getting this tag innerText
switch(getText){
    case "repeat":
        nextMusic(); //calling nextMusic function
        break;
    case "repeat_one":
        mainAudio.currentTime = 0; //setting audio current time to 0
        loadMusic(musicIndex); //calling loadMusic function with
        argument, in the argument there is a index of current song
        playMusic(); //calling playMusic function
        break;
    case "shuffle":
        let randIndex = Math.floor((Math.random() * allMusic.length) + 1);
        //genereting random index/numb with max range of array length
        do{
            randIndex = Math.floor((Math.random() * allMusic.length) + 1);
            }while(musicIndex == randIndex); //this loop run until the next
            random number won't be the same of current musicIndex
            musicIndex = randIndex; //passing randomIndex to musicIndex
            loadMusic(musicIndex);
            playMusic();
            playingSong();
            break;
}
```

```
});  
  
//show music list onclick of music icon  
moreMusicBtn.addEventListener("click", ()=>{  
    musicList.classList.toggle("show");  
});  
closemoreMusic.addEventListener("click", ()=>{  
    moreMusicBtn.click();  
});  
  
const ulTag = wrapper.querySelector("ul");  
// let's create li tags according to array length for list  
for (let i = 0; i < allMusic.length; i++) {  
    //let's pass the song name, artist from the array  
    let liTag = `<li li-index="${i + 1}">  
        <div class="row">  
            <span>${i+1} .${allMusic[i].name}</span>  
            <p>${allMusic[i].artist}</p>  
        </div>  
        <span id="${allMusic[i].src}" class="audio-duration">3:40</span>  
        <audio class="${allMusic[i].src}"  
            src="songs/${allMusic[i].src}.mp3"></audio>  
    </li>`;  
    ulTag.insertAdjacentHTML("beforeend", liTag); //inserting the li  
    inside ul tag
```

```
let liAudioDuartionTag = ulTag.querySelector(`#${allMusic[i].src}`);
let liAudioTag = ulTag.querySelector(`.${allMusic[i].src}`);
liAudioTag.addEventListener("loadeddata", ()=>{
    let duration = liAudioTag.duration;
    let totalMin = Math.floor(duration / 60);
    let totalSec = Math.floor(duration % 60);
    if(totalSec < 10){ //if sec is less than 10 then add 0 before it
        totalSec = `0${totalSec}`;
    };
    liAudioDuartionTag.innerText = `${totalMin}:${totalSec}`;
    //passing total duation of song
    liAudioDuartionTag.setAttribute("t-duration",
` ${totalMin}:${totalSec}`); //adding t-duration attribute with total
duration value
});
}

//play particular song from the list onclick of li tag
function playingSong(){
    const allLiTag = ulTag.querySelectorAll("li");
    for (let j = 0; j < allLiTag.length; j++) {
        let audioTag = allLiTag[j].querySelector(".audio-duration");
```

```
if(allLiTag[j].classList.contains("playing")){
    allLiTag[j].classList.remove("playing");
    let adDuration = audioTag.getAttribute("t-duration");
    audioTag.innerText = adDuration;
}

//if the li tag index is equal to the musicIndex then add playing class
in it

if(allLiTag[j].getAttribute("li-index") == musicIndex){
    allLiTag[j].classList.add("playing");
    audioTag.innerText = "Playing";
}

allLiTag[j].setAttribute("onclick", "clicked(this)");
}

}

//particular li clicked function
function clicked(element){
    let getLiIndex = element.getAttribute("li-index");
    musicIndex = getLiIndex; //updating current song index with clicked
li index
    loadMusic(musicIndex);
    playMusic();
```

```
    playingSong();
}
```

## Feedback:

```
const rating = document.querySelector('.rating');
const child = document.querySelectorAll('.child');
const feedback_section = document.querySelector('.feedback-section');
const btn = document.querySelector('#btn');

let icon;
rating.addEventListener('click', (event) => {
    icon = event.target.parentNode;

    for(let i=0; i<child.length; i++){
        console.log(child[i])
        child[i].classList.remove('active');
    }

    if(!icon.classList.contains('active')){
        icon.classList.add('active');
    }
    // console.log(event.target.parentNode);
})
```

```
btn.addEventListener('click', () => {
    console.log(icon);

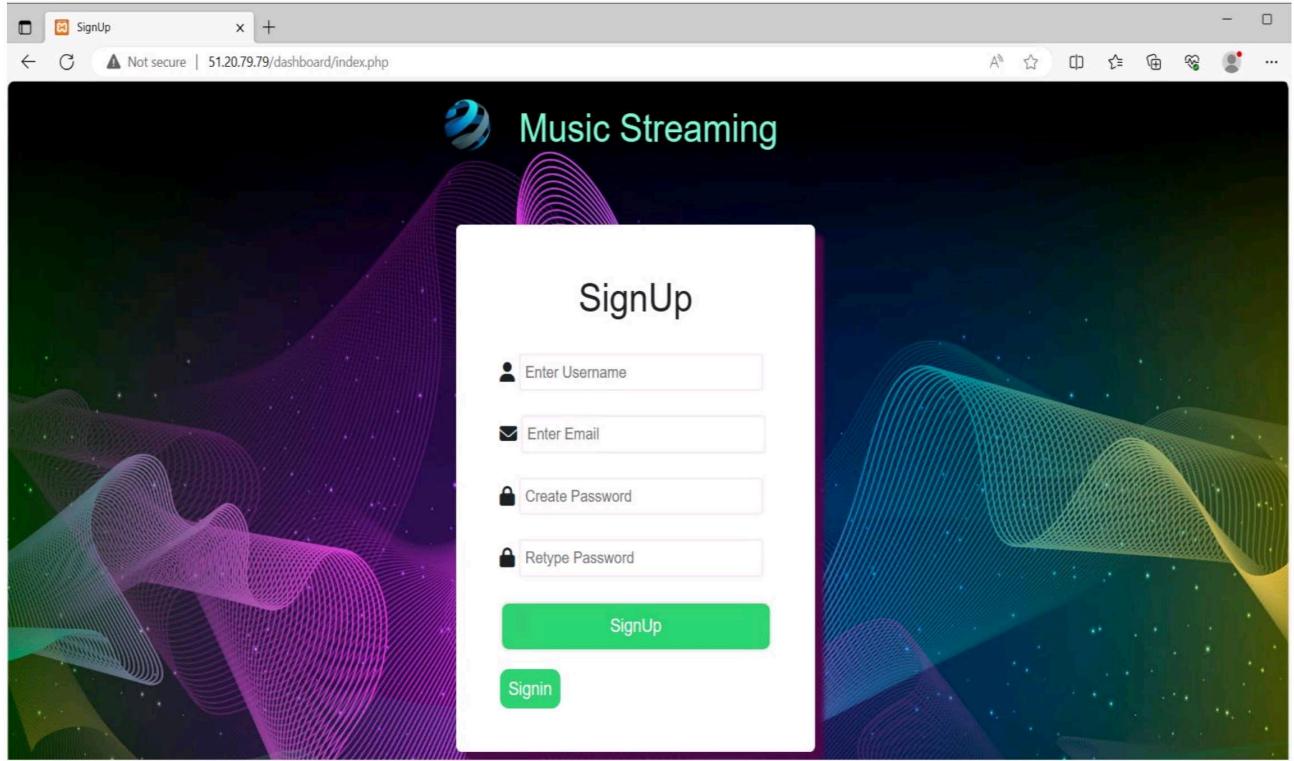
    let user_feedback;
    let user_feedback_icon;

    if(icon === undefined){
        user_feedback = "";
    }else{
        user_feedback = icon.children[1].innerText;
        user_feedback_icon = icon.children[0].innerText;
    }

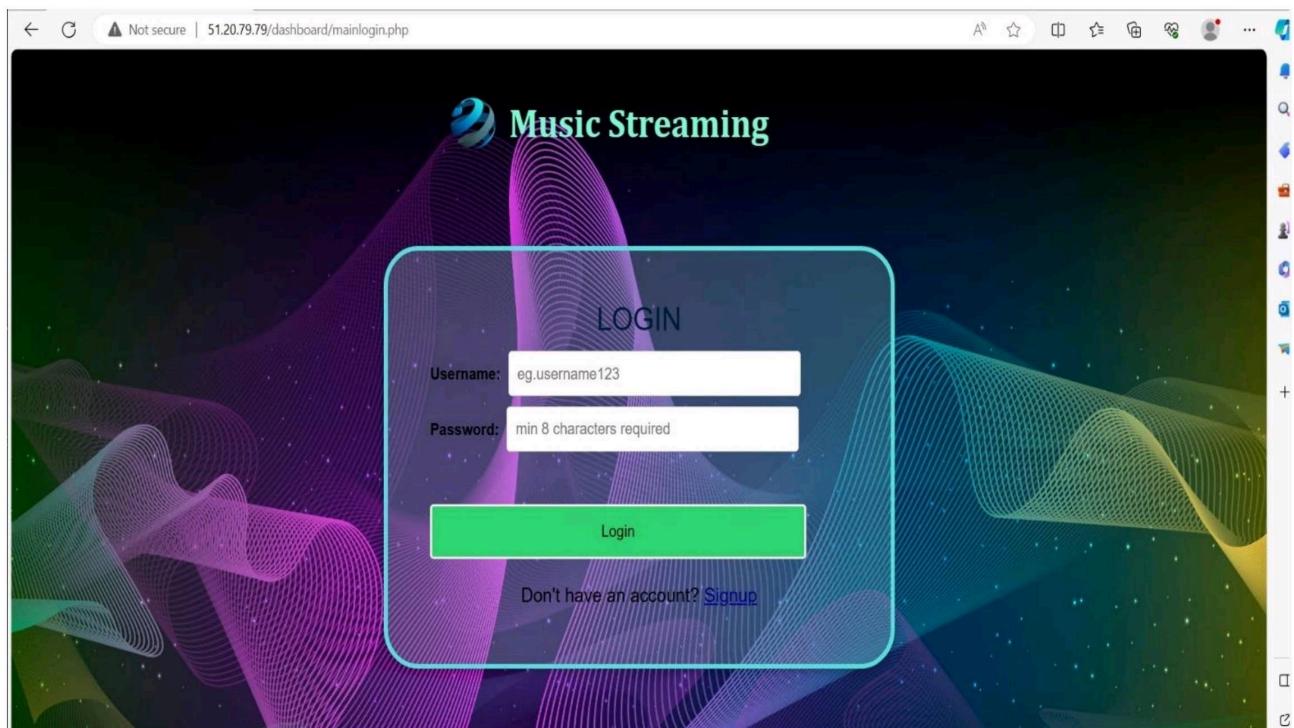
    if(user_feedback !== ""){
        // console.log(user_feedback_icon)
        feedback_section.innerHTML =
            `<div class="response-screen ">
                <p>${user_feedback_icon}</p>
                <h3>your Feedback: ${user_feedback}</h3>
                <p>⭐️ Thank You for your response</p>
            </div>` 
    }
})
```

## Results :

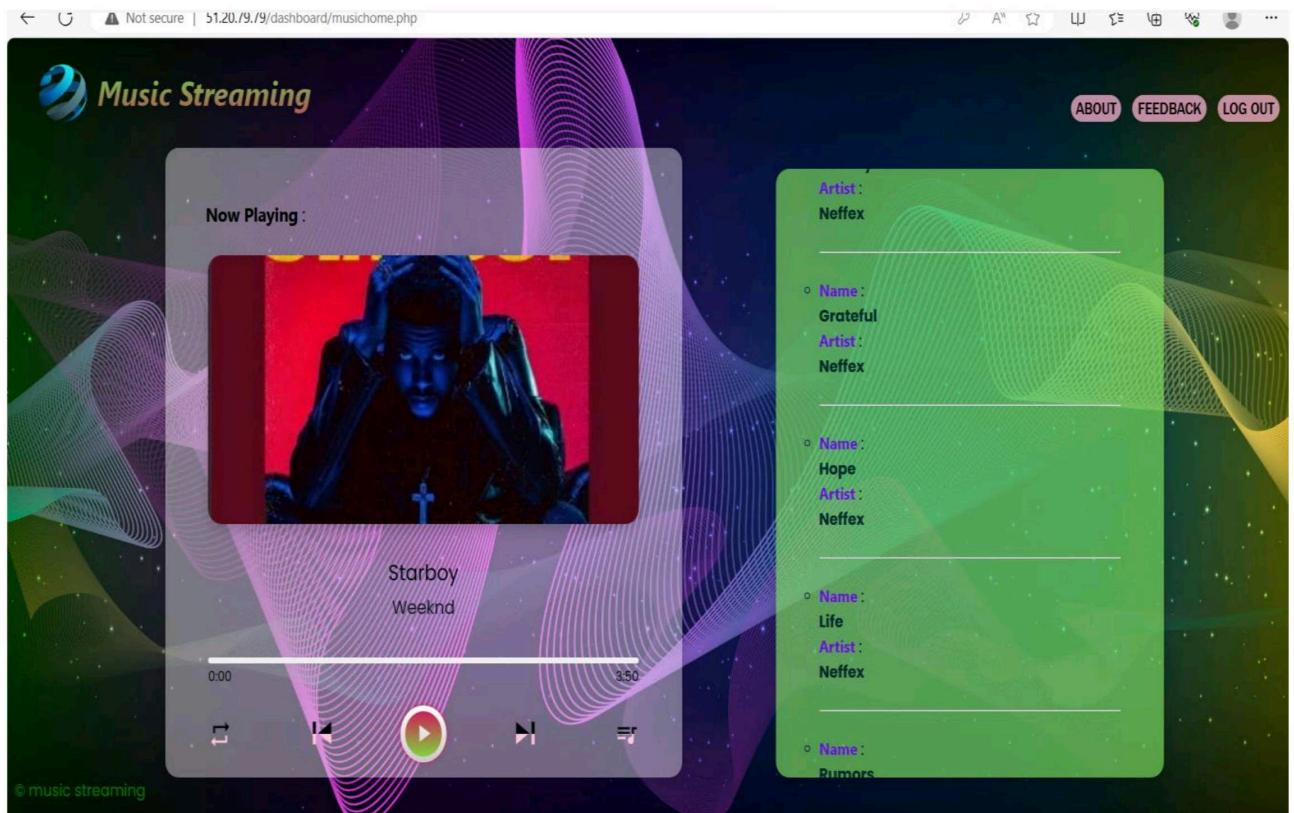
### Signup page :



### Signin page :



## Homepage :



## About :

**About Our Music Streaming Service**

### Who We Are

Welcome to our music streaming platform! We are passionate about music and dedicated to providing an exceptional listening experience for music lovers worldwide.

### Our Mission

Our mission is to connect people with their favorite music, offering a vast library of songs, playlists, and innovative features that make discovering and enjoying music a delightful journey.

### Key Features

- Access to millions of songs
- Personalized playlists and recommendations
- High-quality audio streaming
- Offline listening
- Support for all major devices

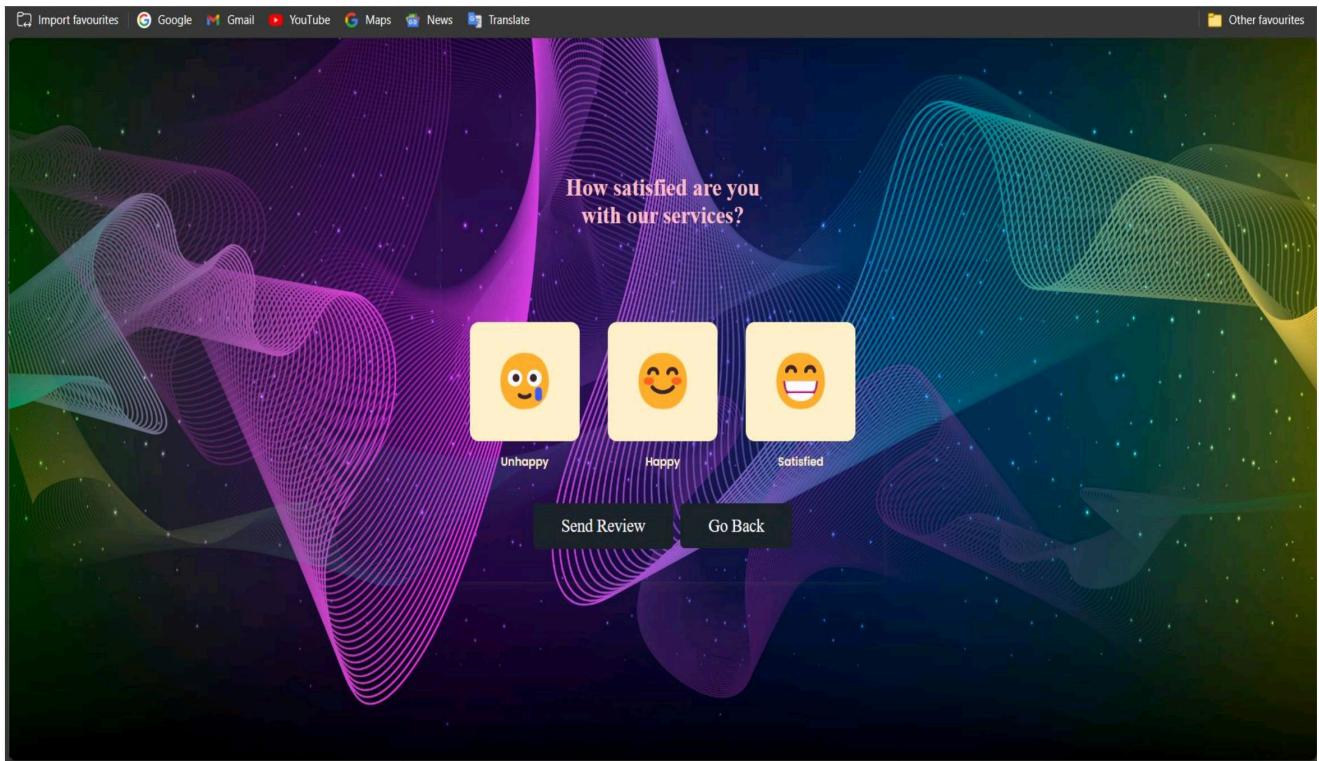
### Contact Us

If you have any questions or feedback, please don't hesitate to contact us.

Email: [contact@yourmusicstreaming.com](mailto:contact@yourmusicstreaming.com)  
Phone: +1-123-456-7890

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## Feedback :



## Backend : Sign-in database :

## Deployment : Console -

The screenshot shows the AWS EC2 Instances console. On the left, a sidebar navigation includes 'EC2 Dashboard', 'EC2 Global View', 'Events', 'Instances' (selected), 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Capacity Reservations', and 'New'. Under 'Images', there are 'AMIs' and 'AMI Catalog'. Under 'Elastic Block Store', there are 'Volumes' and 'Snapshots'. A 'Lifecycle Manager' section is also present. The main content area displays 'Instances (1/1) Info' with a table showing one instance: 'Name: phpserver', 'Instance ID: i-0b97778ae115c34ec', 'Instance state: Running', 'Instance type: t3.micro', 'Status check: 2/2 checks passed', 'Alarm status: No alarms', 'Availability Zone: eu-north-1a', and 'Public IPv4 DNS: ec2-51-20-79-79.eu'. Below this, a detailed view for 'Instance: i-0b97778ae115c34ec (phpserver)' shows tabs for 'Details', 'Security', 'Networking', 'Storage', 'Status checks', 'Monitoring', and 'Tags'. The 'Details' tab is selected, showing 'Instance ID: i-0b97778ae115c34ec', 'Public IPv4 address: 51.20.79.79', and 'Private IPv4 addresses'. The 'Details' tab also lists 'CloudShell' and 'Feedback' options.

## Windows instance :

The screenshot shows a Windows desktop environment. On the left, the Start menu is open, displaying icons for 'Recycle Bin', 'EC2 Feedback', 'EC2 Microso...', 'xampp-win...', and 'XAMPP Control Panel'. In the center, a window titled 'XAMPP Control Panel v3.3.0 [Compiled: Apr 6th 2021]' is displayed. The window lists services: Apache (PID 1064, Port 80, 443), MySQL (PID 5504, Port 3306), FileZilla, Mercury, and Tomcat. For Apache, the 'Stop' button is highlighted. To the right of the window, system information is listed: Hostname: EC2AMAZ-3B8860TU, Instance ID: i-0b97778ae115c34ec, Private IP Address: 172.31.18.240, Public IP Address: 51.20.79.79, Instance Size: t3.micro, Availability Zone: eu-north-1a, Architecture: AMD64, Total Memory: 1024, and Network: Up to 2 Gigabit. The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray indicating the date and time as 11-11-2023 at 05:50 PM.

## **CONCLUSION :**

Our music streaming system offers convenient access to a vast library of music, personalized playlists and the ability to discover new music.

It has revolutionized the way we consume music, providing users with flexibility and variety.

For the deployment of our music streaming website, we harnessed the power of Amazon Elastic Compute Cloud (Amazon EC2), a core service within Amazon Web Services (AWS). Amazon EC2 offered a versatile and scalable solution for hosting our web application and highly reliable.