RYTHMIC TUNES

PROJECT REPORT

SUBMITTED TO THE NAAN MUDHALVAN IN THE PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE DEGREE OF BACHELOR OF COMPUTER SCIENCE

BY

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INTRODUCTION

Rhythmic Tunes is a music streaming application designed to provide a personalized music experience for users. The application aims to revolutionize the way people discover, listen, and interact with music.

Project Features

1. *Music Library*: Access to a vast library of songs, albums, and playlists.
2. *Personalized Playlists*: Customized playlists created based on users' listening history and preferences.
3. *Discovery Mode*: A feature that suggests new music and artists based on users' listening habits.
4. *Social Sharing*: Option to share favorite songs and playlists on social media platforms.
5. *Offline Listening*: Users can download songs for offline listening.

Project Technologies

1. *Frontend*:HTML
2. *Backend*: CSS
3. *Database*: MongoDB
4. *APIs*: Music APIs (e.g., Spotify, Apple Music)

Project Benefits

1. ***Enhanced Music Experience*:** Rhythmic Tunes provides a personalized music experience, introducing users to new music and artists.

2. ***Convenience*:** Users can access their music library and playlists across devices, both online and offline.

3. ***Social Interaction*:** Users can share their favorite music and playlists with friends and family.

Scenario-Based Intro:-

Imagine stepping onto a bustling city street, the sounds of cars honking, people chatting, and street performers playing in the background. You're on your way to work, and you need a little something to elevate your mood. You pull out your phone and open your favorite music streaming app, "Rythimic Tunes”

With just a few taps, you're transported to a world of music tailored to your tastes. As you walk, the app’s smart playlist kicks in, starting with an upbeat pop song that gets your feet tapping. As you board the train, the music shifts to a relaxing indie track, perfectly matching your need to unwind during the commute

ABSTRACT

This project focuses on the development of a music streaming application using MongoDB as the backend database for efficient data storage and retrieval. The application allows users to search, stream, and organize music content, with features such as playlist creation, song recommendations, and user profiles. MongoDB, a NoSQL database, is employed to handle the dynamic nature of music metadata, user interactions, and real -time data updates due to its scalability and flexibility. The app supports high availability and performance by using MongoDB's document-oriented architecture, which allows seamless integration with a wide variety of music-related data, including artist information, song details, and user-generated

content. The project also includes features for personalized music recommendations using machine learning algorithms and aims to provide a smooth, scalable, and user-friendly interface for music enthusiasts.

Target Audience:-

Music Streaming is designed for a diverse audience, including:

● **Music Enthusiasts**: People passionate about enjoying and listening Music Throughout there free time to relax themselves.

Project Goals and Objectives:-

The primary goal of Music Streaming is to provide a seamless platform for music enthusiasts, enjoying, and sharing diverse musical experiences. Our objectives include: **User-Friendly Interface**: Develop an intuitive interface that allows users to effortlessly explore, save, and share their favorite music tracks and playlists.

Comprehensive Music Streaming: Provide robust features for organizing and managing music content, including advanced search options for easy discovery.

Modern Tech Stack: Harness cutting-edge web development technologies, such as React.jss, to ensure an efficient and enjoyable user experience while navigating and interacting with the music streaming application.

Software Pre-requisites

1. *Code editor*: Familiarity with code editors like Visual Studio Code, Sublime Text, or Atom.
2. *Version control*: Knowledge of Git and GitHub for version control.
3. *Package managers*: Experience with npm (Node Package Manager) or yarn.

Hardware Pre-requisites

1. *Computer*: A laptop or desktop computer with a minimum of 4GB RAM and 256GB storage.
2. *Mobile device*: A smartphone or tablet for testing mobile applications.

```
<!DOCTYPE html>
<head>
   <meta charset="UTF-8">
      <meta http-equiv="x-UA-compatible" content="IE=edge">
      <meta name="view port" content="width=device=width,initial-scale=1.0">
   <title>Mumu tunes</title>
   <link rel="stylesheet" href="first.css">
</head>
<body>
   <script src="first.js"></script>
<div class="container">
      <div class="navbar">
         <ul>
            <li><a href="#">HOME</a></li>
            <li><a href="#">ABOUT</a></li>
            <li><a href="#">PLAYLIST</a></li>
            <li><a href="#-">GENERES</a></li>
         </ul>
        <input type="search" id="search-bar" placeholder="search for music,artist or genere">
      <ul id="search-results"></ul>
```

```
</div>
<div class="content">
  <div class="right-col">
    <h1>MUMU TUNES</h1>
  </div>
</div>
  <div class="songs">
    <div class="song1 song">
      <img src="nanban movie.jpg">
      <h1>Song name:mustafa</h1>
      <h1>artist: A.R.RAHAMAN</h1>
      <h1>Generes: friends</h1>
      <audio controls autoplay loop>
        <source src="mustafa.mp3">
      </audio>
    </div>
    <div class="song2 song">
      <img src="I movie.jpg">
      <h1 >song name:Ennodu nee irunthal</h1>
      <h1>artist: Sidsriram</h1>
      <h1>Generes: Love</h1>
      <audio controls autoplay loop>
        <source src="I movie.mp3">
      </audio>
    </div>
    <div class="song3 song">
```

```
8               <img src="ambala.jpg">
                <h1 >song name: yaarennasonnalum</h1>
                <h1>artist: Hippop tamizha</h1>
                <h1>Generes: Family</h1>
                <audio controls autoplay loop>
                  <source src="yaarennasonnalum.mp3">
                </audio>
              </div>

              <div class="song3 song">
                <img src="natpaey thunai.jpg">
                <h1 >song name:pallikudathula</h1>
                <h1>artist: Hippop tamizha</h1>
                <h1>Generes: Friends</h1>
                <audio controls autoplay loop>
                  <source src="natpey thunai.mp3">
                </audio>
              </div>
          </div>
              <div class="Musics">
                <div class="music1 Music">
                  <img src="yaele yaele.jpg">
                  <h1>Song name:mustafa</h1>
                  <h1>artist: A.R.RAHAMAN</h1>
                  <h1>Geners: friends</h1>
                  <audio controls autoplay loop>
```

```
        <source src="yaele yaelae dosthuda.mp3">
    </audio>
</div>
<div class="music2 Music">
    <img src="sonthamulaavazha.jpg">
    <h1 >song name:Ennodu nee irunthal</h1>
    <h1>artist: Sidsriram</h1>
    <h1>Generes: Love</h1>
    <audio controls autoplay loop>
        <source src="soontamulla vazha.mp3">
    </audio>
</div>
<div class="music3 Music">
    <img src="pachaikilligal.jpg">
    <h1 >song name: yaarennasonnalum</h1>
    <h1>artist: Hippop tamizha</h1>
    <h1>GENERES: Family</h1>
    <audio controls autoplay loop>
        <source src="pachai kilikal.mp3">
    </audio>
</div>

<div class="music4 Music">yaarennasonnalum.mp
    <img src="mudhal nee.jpg">
    <h1 >song name: yaarennasonnalum</h1>
    <h1>artist: Hippop tamizha</h1>
```

```
                <h1>Generes: Family</h1>
                <audio controls autoplay loop>
                   <source src="muthalnee.mp3">
                </audio>
              </div>
            </div>
    </div>
 </body>
</html>
```

```
.*{
    margin: 0;     padding:
0;     font-family: sans-
serif;
}
.container input{
height: 50px;     width:
70%;
position:absolute;
top:100px
}
.container{
height: 100%;
width:100%;
```

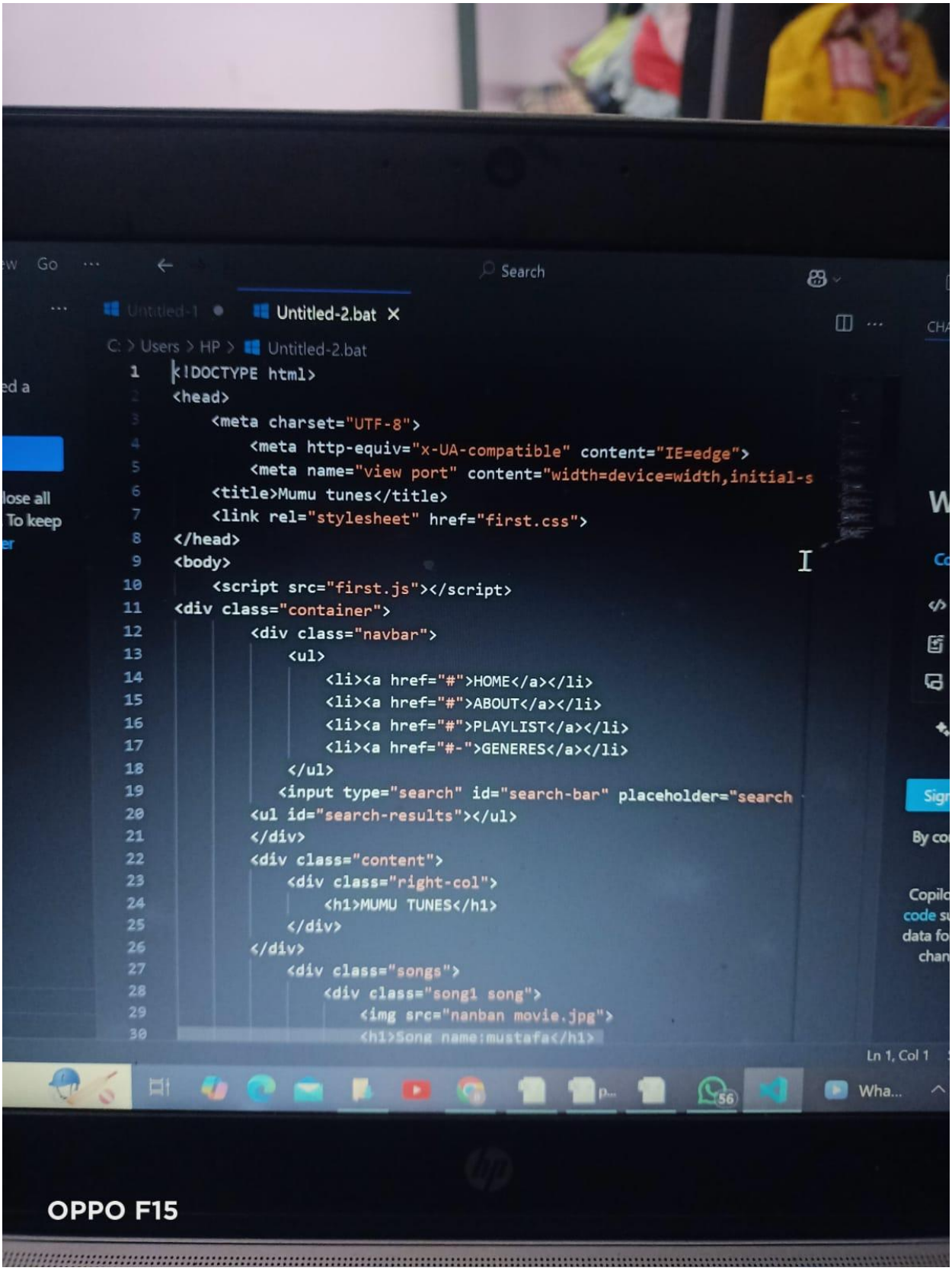
```
background-
color: #f80a95;
background-size:
cover;
background-
position: center;
position:relative;
}
.container     img{
height:      600px;
width: 1600px;
}
.navbar{     width:88%;
margin:auto;     margin-left:
75px;     padding:15px 0;
display:flex;     align-items:
center;     justify-content: space-
between;
}
.logo{
width:140x;
cursor:pointer;
}
.navbar ul li{     list-style: none;     display: inline-block;     margin:0 15px;
font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif}
```

```
.navbar ul li a{ text-decoration: none; color: rgb(12, 12, 12); font-size:15; font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif; float:right;
}
.content{
width:100%;
position:absolute;
top:30%;
}
.right-col h1{ font-size: 150px; color:#060606;
line-height: 110px; font-family:'brushscript';
margin-right: 10 px;
margin-top: 10px;
}
.left-col{
float:right;
   margin-bottom:6%;
margin-top: 20px;
display: flex; align-items: baseline; font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif; font-size:75px;
}
```

```
.left-col p{     font-family: 'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS',
sans-serif;     font-size:35px;     color: rgb(7, 7, 7);     font-weight:400;
margin-left:35px;     margin-top:375px;
}
.songs{    display: flex;
width:100%;
height:700px;
margin-top: 850px;
}
.song{     height:500px;     width:350px;
margin-left:20px;     background-color:
rgb(250, 250, 250);
}
.song img{     padding-
top:10px;     padding-
left:23px;
}
.song1 h1{ font-size: medium; font-family: 'Gill Sans', 'Gill Sans MT',
Calibri, 'Trebuchet MS', sans-serif;
}
.song1 img{
height: 300px;
width: 300px;
}
.song2 h1{     font-size: medium;     font-family: 'Gill Sans', 'Gill Sans MT',
Calibri, 'Trebuchet MS', sans-serif;
   }
```

```
.song2 img{
height: 300px;
width: 300px;
}
.song3 h1{     font-size: medium;     font-family: 'Gill Sans', 'Gill Sans MT',
Calibri, 'Trebuchet MS', sans-serif;
   }
.song3 img{
height: 300px;
width: 300px;
}
.songs{
display: flex;
width:100%;
height:700px;
margin-top:
700px;
}
.song{     height:500px;     width:350px;
margin-left:20px;     background-color:
rgb(249, 249, 253);
}
.song img{     padding-
top:10px;     padding-
left:23px;
}
```

```
.song1 h1{ font-size: medium; font-family: 'Gill Sans', 'Gill Sans MT',
Calibri, 'Trebuchet MS', sans-serif;
}
.music{          display:
flex;       width:100%;
height:700px;
margin-top: 800px;
}
.Musics{
display: flex;
}
.Music img{
    padding-top:10px;.
padding-left:23px;
width:              300px;
height: 300px;
}
.Music{        height:500px;
width:350px;         margin-left:20px;
margin-right: 20px;         background-
color: rgb(249, 249, 253);         font-size:
12px;
}
.Music h1{ margin-right: 10px; font-family: 'Gill Sans', 'Gill Sans MT',
Calibri, 'Trebuchet MS', sans-serif;
}
```

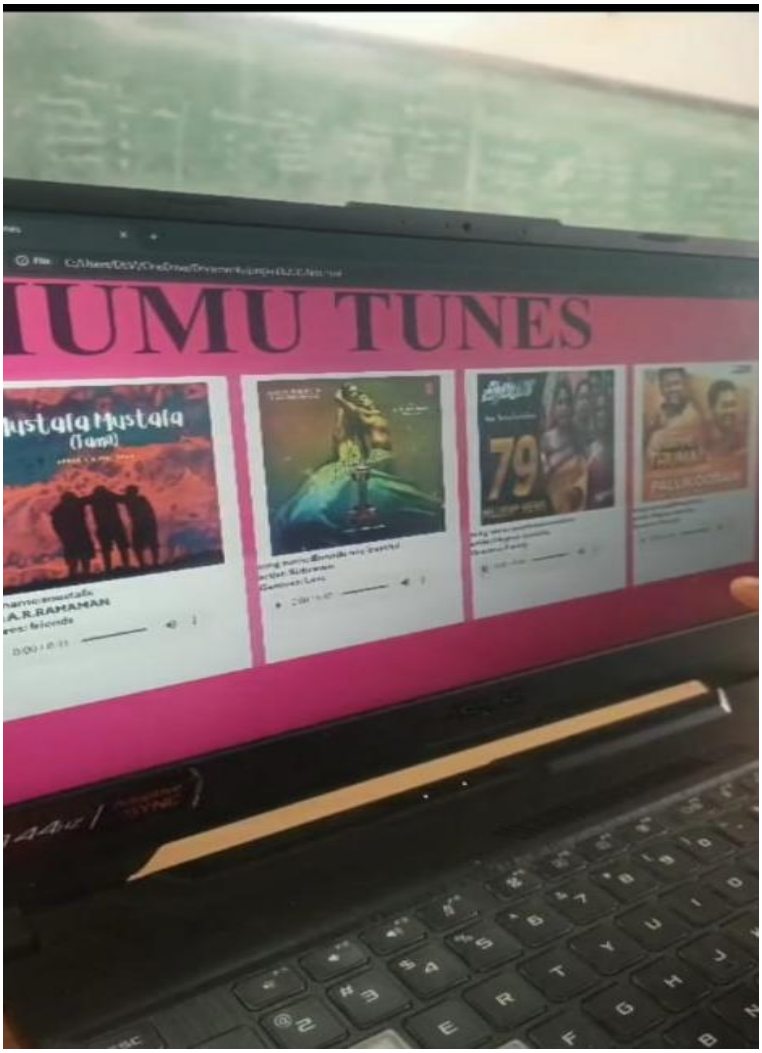

Untitled-2.bat
C: > Users > HP > Untitled-2.bat
<!DOCTYPE html>
<head>
<meta charset="UTF-8">
<meta http-equiv="x-UA-compatible" content="IE=edge">
<meta name="view port" content="width=device=width,initial-s
<title>Mumu tunes</title>
<link rel="stylesheet" href="first.css">
</head>
<body>
<script src="first.js"></script>

HOME
ABOUT
PLAYLIST
GENERES

<input type="search" id="search-bar" placeholder="search
<ul id="search-results">

<h1>MUMU TUNES</h1>

<img src="nanban movie.jpg">
<h1>Song name:mustafa</h1>
Ln 1, Col 1
OPPO F15



Conclusion

Rhythmic Tunes is a music streaming application designed to provide a personalized music experience for users. With its robust features, intuitive interface, and scalable architecture, Rhythmic Tunes is poised to revolutionize the music streaming industry.

Through its innovative approach to music discovery, social sharing, and community building, Rhythmic Tunes has the potential to become a leading music streaming platform.

As the music streaming landscape continues to evolve, Rhythmic Tunes is wellpositioned to adapt and innovate, providing users with an unparalleled music experience.