# Frontend Development with React.js

## Project Documentation for Rhythmic Tunes

## 1. Introduction

• Project Title: Rhythmic Tunes: Your Melodic Companion

• Team Members:

- Sandhiya A (Team Leader) [Email Id: arunsandhiya15@gmail.com]

- Chitra Parvathi S [Email Id: parvathichitra3@gmail.com]

- R Devika [Email Id: devikadevika82@gmail.com]

- P Nandhini [Email Id: nandh730570@gmail.com]

- M Vijaylakshmi [Email Id: jerrytom2715@gmail.com]

## 2. Project Overview

• Purpose:  
Rhythmic Tunes is a web application designed to provide users with a seamless music listening experience. The application allows users to browse, search, and play music tracks, create playlists, and discover new music based on their preferences.

• Features:

- Music player with play, pause, skip, and volume control.

- Search functionality to find songs, albums, and artists.

- User authentication (login/signup).

- Playlist creation and management.

- Responsive design for mobile and desktop.

## 3. Architecture

• Component Structure:  
The application is built using React.js with a component-based architecture.

## 4. Setup Instructions

• Prerequisites:  
 - Node.js (v16 or higher)  
 - npm (v8 or higher)  
 - Git

• Installation:

- Clone the repository: git clone <repository-link>

- Navigate to the client directory: cd rhythmic-tunes/client

- Install dependencies: npm install

- Configure environment variables: Create a .env file in the client directory and add the necessary variables (e.g., API keys).

- Start the development server: npm start