

Project Documentation

RHYTHMIC TUNES : YOUR MELODIC COMPANION

1. Introduction

Project Title: Rhythmic tunes : your melodic companion

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2. Project Overview

- **Purpose:** The primary goal of Music Streaming is to provide a seamless platform for music enthusiasts, enjoying, and sharing diverse musical experiences. Our objectives include:
- **Features:**
 - Song listing
 - Playlist creation
 - Offline listening
 - Robust search functionality

3. Architecture

- **Frontend:** Node.js
- **Backend:** MongoDB
- **Database:** MongoDB

4. Setup Instructions

- **Prerequisites:**

- Node.js
- MongoDB
- Git
- React.js
- Express.js – Mongoose – Visual Studio Code

- **Installation Steps:**

Clone the repository git clone

Install client dependencies cd
client npm install

Install server dependencies cd
../server npm install

5. Folder Structure

```
SB-Works/  
|-- client/           # React frontend  
    |-- components/  
        |-- pages/  
|-- server/           # Node.js backend  
    |-- routes/  
        |-- models/  
            |-- controllers/
```

6. Running the Application

- **Frontend:**

npm install

- **Backend:**

npm start

- **Access:** Visit <http://localhost:3000>

7. API Documentation

- **User:**

- /api/user/register
- /api/user/login

- **Projects:**

- /api/projects/create
- /api/projects/:id • **Applications:** /api/apply

- **Chats:**

- /api/chat/send
- /api/chat/:userId

8. Authentication

- JWT-based authentication for secure login
- Middleware protects private routes

9. User Interface

- Landing Page
- Freelancer Dashboard
- Admin Panel
- Project Details Page

10. Testing

- Manual testing during milestones
- Tools: Postman, Chrome Dev Tools

11. Screenshots or Demo

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