Project Documentation:

RHYTHMIC TUNES YOUR MELODIC COMPANION

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1. Introduction

Project Title: Rhythmic Tunes :your melodic companion

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2. Project Overview

Purpose:

This project connects clients and freelancers through project postings, bidding, and real-time communication.

Features:

Project posting and bidding

Secure chat system

Feedback and review system

Admin control panel

Architecture

Frontend: ReactJS with Bootstrap and Material UI

Backend: Node.js & Express.js managing server logic and API endpoints

Database: MongoDB for user data, project information, applications, and chat messages

Setup Instruction

Prerequisites:

Node.js

MongoDB

Git

React.js

Express.js

Mongoose

Visual Studio Code

Installation Steps:

Clone the repository

git clone <repository-url>

Install client dependencies

cd client

npm install

Install server dependencies

cd server

npm install

| └── controllers/

Project Documentation

Running the Application

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cd client

npm start

Backend:

cd server

npm start

Access: Visit http://localhost:3000

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7. API Documentation

User:

/api/user/register

/api/user/login

Projects:

/api/projects/create

/api/projects/:id

| ├── e.js backFrontend:

Chats:

/api/chat/send

/api/chat/:userId

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8. Authentication

JWT-based authentication for secure login

Middleware protects private routes

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9. User Interface

Landing Page

sFreelancer Dashboard

Admin Panel

Project Details Page

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10. Testing

Manual testing during milestones

Tools: Postman, Chrome Dev Tools

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11. Screenshots or Demo

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12. Known Issues

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13. Future Enhancements