Project Documentation

Project Title: Rhythmic Tunes Melodic Companion

1. Introduction

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Team ID: NM2025TMID34852

Team Size: 4

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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

3. Architecture

Frontend: ReactJS with Bootstrap and Material UI

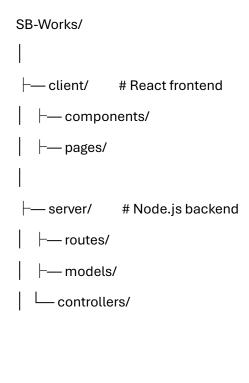
Backend: Node.js & Express.js managing server logic and API endpoints

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

4. Setup Instructions

Prerequisites:
Node.js
MongoDB
Git
React.js
Express.js
Mongoos
Visual Studio Code
Installation Steps:
Clone the repository
git clone <repository-url></repository-url>
Install client dependencies
cd client
npm install
Install server dependencies
cd server
npm install

5. Folder Structure



6. Running the Application

Frontend:

cd client

npm start

Backend:

cd server

npm start

Access: Visit http://localhost:3000

7. API Documentation

User:

/api/user/register
/api/user/login
Projects:
110,000.
/api/projects/create
/api/projects/:id
Chats:
Citato.
/api/chat/send
/api/chat/:userld
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

12. Known Issues

13. Future Enhancements