**1. Introduction**

Project Title: RYTHMIC TUNES

**Team ID :** NM2025TMID41845

Team Size : 5

Team Leader : NOORUN MUHAMADU SAMEER S(foolishguy2006@gmail.com)

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**2. Project Overview**

**Purpose:**

SB Works 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: React.js with Bootstrap and Material UI

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

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

**4. Setup Instructions**

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

**5. Folder Structure**

SB-Works/

|-- client/ # React frontend

| |-- components/

| |-- pages/

|-- server/ # Node.js backend

| |-- routes/

| |-- models/

| |-- controllers/

**6. Running the Application**

Frontend:

cd client

npm start

Backend:

cd server

npm start

Access: Visit http://localhost:3000

**7. API Documentation**

User:

POST /api/user/register

POST /api/user/login

Projects:

POST /api/projects/create

GET /api/projects/:id

Applications:

POST /api/apply

Chats:

POST /api/chat/send

GET /api/chat/:userId

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**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.Demo:**

<https://drive.google.com/file/d/1OTIUoGhst3u6oU--UmuphOV0tsQ7puev/view?usp=drivesdk>

**12. Known Issues**

Nothing

**13. Future Enhancement**

The music app will be enchanced by the AI