Rythamic Tunes

# 1. Project Title

Rythamic Tunes  
  
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# 2. Project Overview

Purpose:  
The frontend module of SB Works provides an interactive and user-friendly interface for clients and freelancers. It ensures smooth navigation, project browsing, and communication.  
  
Frontend Features:  
- Landing Page with navigation bar  
- Freelancer Dashboard  
- Project details page  
- Music player integration (playlist, favorites, search, wishlist)  
- Responsive design with React + Vite  
- Component-based reusable UI

# 3. Architecture (Frontend)

- Framework: React.js (with Vite as bundler)  
- Styling: CSS (custom styles + component CSS files)  
- UI Libraries: None (custom CSS used for Sidebar, Navbar, etc.)  
- Assets: Local images, icons, and sample audio files

# 4. Setup Instructions

Prerequisites:  
- Node.js (latest LTS version)  
- npm (comes with Node.js)  
- Visual Studio Code  
  
Installation Steps:  
# Clone the repository  
git clone <repository-url>  
cd code  
  
# Install dependencies  
npm install  
  
# Start development server  
npm run dev  
  
Access:  
Open http://localhost:5173 in browser

# 5. Folder Structure (Frontend Only)

code/  
 ├── index.html  
 ├── package.json  
 ├── vite.config.js  
 ├── src/  
 │ ├── main.jsx  
 │ ├── App.jsx  
 │ ├── App.css  
 │ ├── index.css  
 │ ├── Components/  
 │ │ ├── Unavbar.jsx  
 │ │ ├── Sidebar.jsx  
 │ │ ├── Uhome.jsx  
 │ │ ├── Songs.jsx  
 │ │ ├── Playlist.jsx  
 │ │ ├── Wishlist.jsx  
 │ │ ├── Favorities.jsx  
 │ │ ├── Search.jsx  
 │ │ ├── Uitem.jsx  
 │ │ ├── sidebar.css  
 │ │ ├── uhome.css  
 │ └── assets/  
 │ └── react.svg  
 ├── public/  
 │ ├── vite.svg  
 │ └── Songs/  
 │ ├── chaleya.mp3  
 │ ├── Humnava Mere.mp3  
 │ ├── Saari Duniya Jalaa Denge.mp3  
 │ └── Bol Do Na Zara.mp3  
 └── db/  
 └── db.json

# 6. Running the Application

- Start frontend:  
npm run dev  
  
- Default port: 5173  
- Open browser → http://localhost:5173

# 7. UI Components

- Unavbar.jsx – Navigation bar  
- Sidebar.jsx – Sidebar menu  
- Uhome.jsx – Home page view  
- Songs.jsx – Song list component  
- Playlist.jsx – Playlist management  
- Wishlist.jsx – Wishlist system  
- Favorities.jsx – Favorites section  
- Search.jsx – Search functionality  
- Uitem.jsx – Single item card

# 8. Authentication (Frontend View)

- Login & Register pages (connected to backend APIs)  
- JWT stored via localStorage (handled in API integration)

# 9. User Interface (Frontend Pages)

- Landing Page  
- Dashboard  
- Sidebar Navigation  
- Music Player with Favorites & Playlist  
- Search Bar for Songs/Projects

# 10. Testing (Frontend)

- Manual testing with browser dev tools  
- UI validation using Chrome Dev Tools  
- Debugging with Vite hot reload

# 11. Screenshots or Demo

(Add project screenshots here – Landing Page, Dashboard, Playlist view, etc.)

# 12. Known Issues (Frontend)

- UI not fully optimized for all screen sizes  
- Limited CSS animations

# 13. Future Enhancements

- Add dark/light mode toggle  
- Improve responsive design  
- Integrate frontend testing tools (Jest, React Testing Library)  
- Use Material UI or Tailwind for advanced styling