

Project Summary: Music & Ministry Website

Purpose:

A professional, full-featured personal website to support your music and ministry — serving as a platform for

Key Features:

- About Page — share your story
- Blog — post reflections and ministry updates
- Contact Page — secure form (no public email)
- Prayer/ Testimony Wall — visible after admin approval
- YouTube & Facebook Integration
- Store — sell digital content and merch
- Donations — accept credit card donations
- VIP Members — paid login-protected content
- Admin Panel — manage content and view reports
- Financial Reports — P&L-style filters by MTD, QTD, YTD

Full Tech Stack (Free + Professional)

Frontend (React + Tailwind):

- Vite + React — fast and modern frontend framework
- Tailwind CSS — utility-first styling
- React Router — multi-page navigation
- Recharts or Chart.js — admin dashboard charts
- Deployment: Vercel or Netlify (free)

Backend (Node + Express):

- Node.js + Express — RESTful API server
- PostgreSQL — database (Supabase, Neon, or Railway)
- Prisma ORM (optional) — schema + queries
- Stripe — donations, store payments, VIP membership

Auth + Security:

- JWT — secure token-based login
- bcrypt — password hashing
- Protected Routes — restrict VIP-only and admin content

Email & Forms:

- Nodemailer + Gmail SMTP — send emails from contact form

Testing & Dev Tools:

- Jest — backend + frontend test runner
- Testing Library — UI testing for React
- Supertest — test API endpoints
- Thunder Client — VS Code extension for API testing

VS Code Setup:

Extensions:

- Prettier, ESLint, Tailwind IntelliSense
- Thunder Client, Jest, GitLens, Path Intellisense, Prisma
- REST Client (optional), Bracket Pair Colorizer 2, Better Comments, Error Lens

Settings:

- Format on save, linting, file exclude rules
- Prettier & ESLint config files

Learning + Design Support:

- Learning Goals: full-stack dev, auth, Stripe, admin dashboards
- Free UX Tools: Figma, Penpot, Refactoring UI, Dribbble, Tailwind UI Kits

Project Folder Structure:

music-ministry-site/

- frontend/ # React + Tailwind
- backend/ # Node + Express
- database/ # SQL schema or migrations