

“Act as a senior MERN stack architect. I want to build a complete production-ready Feedback Management Dashboard. The project must include:

Features Required

- User Login & Registration (JWT authentication)
- Admin Login (Separate endpoint + admin role)
- Submit Feedback (rating + text)
- View own feedback (user)
- Admin Dashboard (statistics)
- Admin All Feedback Table
- Protected Routes (user/admin)
- Dark/Light Mode toggle
- TailwindCSS + shadcn UI styling
- Framer Motion animations
- Context API for Auth + Theme
- Vite + React frontend
- Express + MongoDB + Mongoose backend

Structure Required

Backend folder

- models (User.js, Feedback.js)
- routes (authRoutes.js, feedbackRoutes.js)
- middleware (auth.js)
- utils (jwt.js, createAdmin.js)
- server.js

Frontend folder

- components (FeedbackForm, FeedbackTable, AnalyticsCards, ThemeToggle, ProtectedRoute)
- pages (Login, Register, AdminLogin, Feedback, AdminDashboard, AdminFeedbacks)
- context (AuthContext, ThemeContext)

- lib (api.js, utils.js)
- App.jsx, main.jsx

What You Must Generate

1. All backend code
2. All frontend code
3. Environment variable examples
4. API documentation
5. Step-by-step setup instructions
6. Deployment guide (Render + Vercel)
7. Admin auto-create script
8. JWT authentication logic
9. Theme toggle logic
10. Beautiful UI using shadcn + TailwindCSS

Frontend UI Prompt

“Generate a modern, responsive UI for a Feedback Dashboard using React + TailwindCSS + shadcn UI. Include:

- Beautiful Login page
- Register page
- Admin Login page
- Feedback page (form + user feedback list)
- Admin Dashboard with analytics cards
- Admin Feedback Table
- Dark/Light mode toggle
- Framer Motion animations
- Navigation bar with theme toggle
- ProtectedRoute component
- AuthContext + ThemeContext

for Backend Authentication + Admin System

Backend Auth Prompt

“Generate a complete backend authentication system using Node.js, Express, MongoDB, and JWT.

Include:

- User registration
- User login
- Separate Admin login endpoint
- Auto-create admin using a script
- bcrypt password hashing
- JWT token generator
- auth middleware
- Role-based access (user/admin)
- Routes in /api/auth/*

Return fully working code for:

- User model
- Admin seed script
- authRoutes.js
- auth middleware
- jwt utility
- server.js setup
- .env example”

for Feedback Model & Routes

“Generate feedback submission & analytics backend for MERN stack:

Models:

- Feedback: { user, rating, comment }

Endpoints:

- POST /api/feedback → create feedback
- GET /api/feedback/my → my feedback
- GET /api/feedback → all feedback (admin only)
- GET /api/feedback/stats → analytics (admin only)

Return Mongoose models + Express routes.”

for Dark/Light Mode

Dark Mode Prompt

“Generate ThemeContext.jsx that toggles dark/light mode using:

- Tailwind dark class (dark:)
 - localStorage persistence
 - Smooth transitions
- Provide Navbar button code + usage example.”
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for Analytics Cards

Analytics Cards Prompt

“Build beautiful AnalyticsCards component using:

- shadcn UI Card
 - Framer Motion animations
 - Icons (react-icons)
 - Props: { total, avgRating, positive, negative }
- Return JSX code.”
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for API Integration (Axios)

API Hook Prompt

“Generate an Axios wrapper (api.js) with:

- Base URL from VITE_API_URL
 - Auth token auto-attach
 - Error interceptor
 - Exported functions:
 - login
 - register
 - adminLogin
 - submitFeedback
 - getMyFeedback
 - adminGetFeedbacks
 - getStats
- Return full working code.”