

Hospital Management System - Team Project Plan

Team Member Roles

- Member 1: Backend Lead
- Member 2: Patient/Bystander Module
- Member 3: Doctor/Staff Module
- Member 4: Billing & Inventory Module
- Member 5: Frontend & Deployment Specialist

Weeks 1–2: Setup & Basics

- Member 1: Backend setup, DB schema, Auth APIs
- Member 2: Patient registration UI
- Member 3: Doctor dashboard skeleton
- Member 4: Inventory & billing mock design
- Member 5: React frontend skeleton + login page

Weeks 3–4: Core Features

- Member 1: OP Token & Appointment APIs
- Member 2: Patient token tracking page
- Member 3: Doctor token control + appointments
- Member 4: Start billing table & inventory endpoints
- Member 5: Real-time token updates (polling)

Weeks 5–6: Advanced Features

- Member 1: Surgery & Discharge APIs
- Member 2: Patient surgery tracking UI + discharge download
- Member 3: Doctor surgery updates + discharge upload
- Member 4: Full billing & inventory module
- Member 5: Role-based UI, error handling

Weeks 7–8: Testing & Deployment

- All: Integration testing, bug fixes
- Member 1: Backend deployment (Heroku/Render)
- Member 2: Patient demo preparation
- Member 3: Doctor demo preparation
- Member 4: Billing/Inventory demo preparation
- Member 5: Frontend deployment (Vercel/Netlify)