

Project Title:

“ConnectCare – Smart Health Interaction Platform”

Brief Idea

ConnectCare is a full-stack MERN (MongoDB, Express.js, React.js, Node.js) MVC web application designed to streamline healthcare interactions between patients and doctors. It provides a secure, role-based portal where patients can book appointments, submit medical history and symptoms and receive prescriptions. Doctors can access patient records, manage visit logs, provide treatment plans and schedule follow-ups all in one integrated platform. The project mimics a real-world outpatient healthcare system and is useful for clinics, telemedicine providers, or healthcare startups.

Features

Features for Patients

- * Secure Profile & Shared Access: Patients can edit personal details and manage who can view their medical records.
- * Appointment Booking & Management: Patients can schedule, reschedule, and cancel appointments, and view their visit history.
- * Pre-Visit Form & Symptom Submission: Patients can complete medical history, symptom, and consent forms before their visit.
- * View Lab Results & Visit Summaries: Patients can access uploaded test results and visit notes after their appointments.
- * Prescription Renewal Requests: Patients can directly request medication refills or renewals through the portal.
- * Downloadable Medical Documents: Patients can download PDFs of prescriptions, lab reports, and visit summaries.

Features for Doctors

- * Comprehensive Patient Dashboard: Doctors can view upcoming appointments, full medical histories, past visits, and test results for their patients.
- * Clinical Documentation Support: Doctors can pre-fill documentation using patient submissions and auto-generate progress notes.
- * Secure Messaging & Telehealth: Doctors can securely chat with patients and conduct virtual visits within the portal.
- * Result & Document Threading: Doctors can attach notes and comments to lab results or consultation summaries.

- * Follow-up Scheduling & Reminders: Doctors can schedule next visits and set up automatic reminders for both themselves and patients.

Platform-Wide Enhancements

- * Role-Based Access Control: The platform offers different dashboards and access levels for patients, doctors, and administrators, including shared access for caregivers.

- * Secure Document Uploads: Patients can securely upload medical documents like imaging and past records for doctor review.

- * Analytics / Dashboard Insights: Doctors and admins can view statistics like patient counts and wait times, while patients can see personal health-trend graphs.