

Hospital Management System Project

Frontend (Angular + Bootstrap):-

Purpose:-

The frontend provides an interactive and responsive user interface for patients, doctors, and admins. It ensures smooth workflows for appointment booking, record access, billing, and overall hospital management, with role-based views.

Core Frontend Modules

1. Patient Portal

- **Registration & Login** using JWT authentication
- Book appointments with doctors in real-time
- View and download prescriptions
- Access personal medical history and records
- Make payments (online/offline billing)
- Receive instant notifications (SMS/Email through backend services)

2. Doctor Dashboard

- Secure doctor login with role-based access
- Manage appointments and view assigned slots
- Update diagnoses and prescriptions directly into the system
- Track patient medical history for continuity of care
- Manage daily and weekly schedules efficiently

3. Admin Dashboard

- Manage doctors, patients, departments, and room allocations

- Oversee and adjust appointment scheduling
- Generate bills and handle insurance claims
- Access reports and maintain audit logs
- Monitor overall hospital activities in real-time

Frontend Features & Best Practices

- **Responsive UI** → Bootstrap ensures the application adapts across devices (desktop, tablet, mobile).
- **Role-Based Access** → Patients, doctors, and admins see different dashboards tailored to their needs.
- **Pagination** → Large sets of data (e.g., medical records, billing history) are handled efficiently.
- **Security** → JWT tokens secure authentication and authorization.
- **Event-Driven Updates** → Real-time UI updates through Kafka-driven backend events.
- **Audit-Friendly Design** → Frontend supports logging and compliance with healthcare regulations.

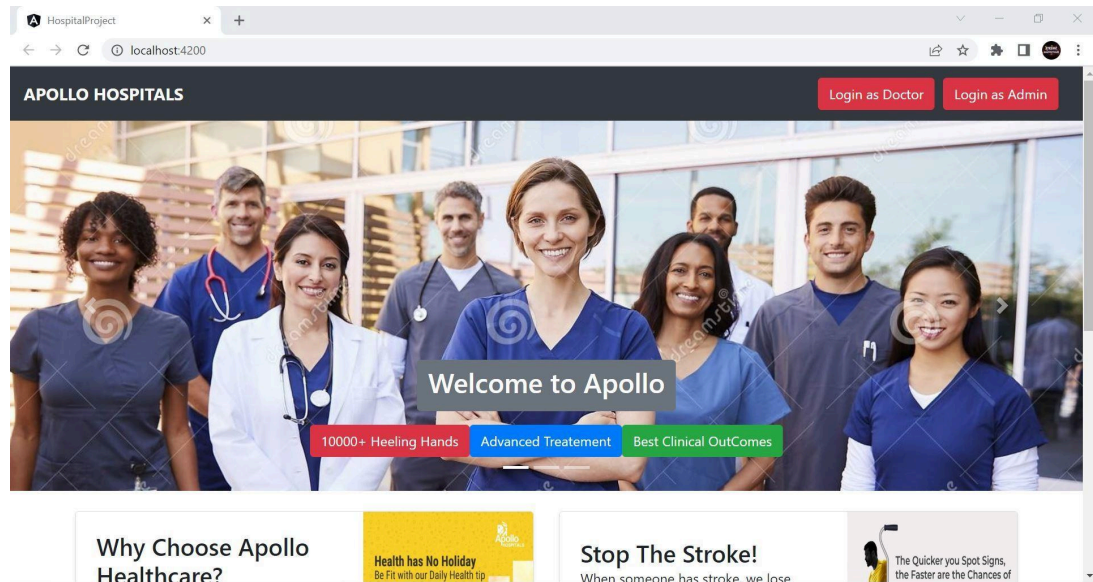


Figure 1: Home page

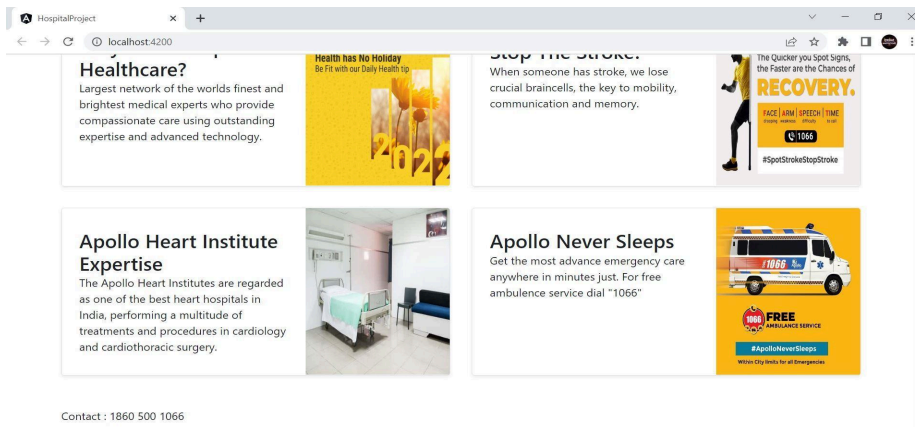
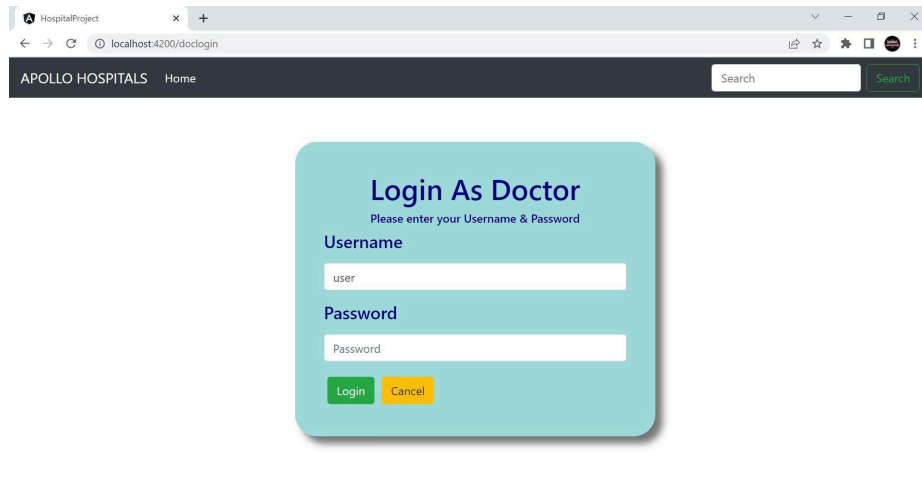


Figure 2: Newsfeeds1



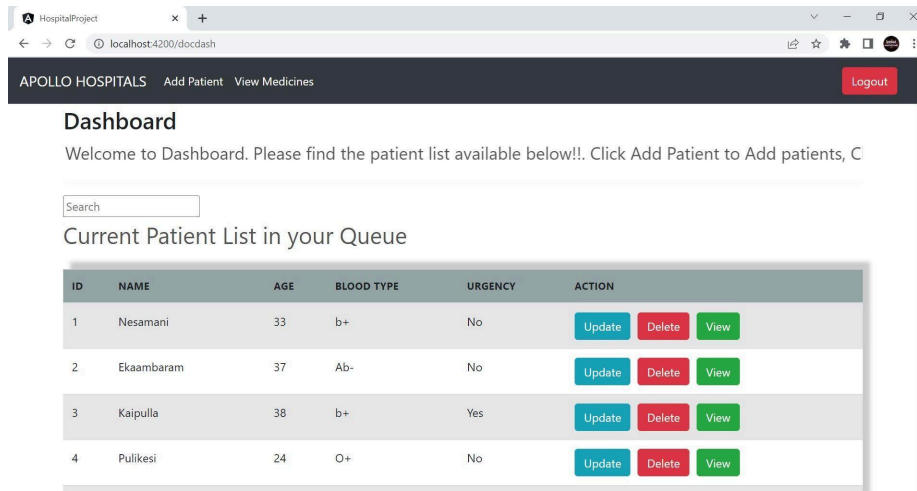
Login As Doctor
Please enter your Username & Password

Username
user

Password
Password

Login Cancel

Figure 3: Doclogin page



Dashboard
Welcome to Dashboard. Please find the patient list available below!!. Click Add Patient to Add patients, C

Search

Current Patient List in your Queue

ID	NAME	AGE	BLOOD TYPE	URGENCY	ACTION
1	Nesamani	33	b+	No	<button>Update</button> <button>Delete</button> <button>View</button>
2	Ekaambaram	37	Ab-	No	<button>Update</button> <button>Delete</button> <button>View</button>
3	Kaipulla	38	b+	Yes	<button>Update</button> <button>Delete</button> <button>View</button>
4	Pulikesi	24	O+	No	<button>Update</button> <button>Delete</button> <button>View</button>

Figure 4: Doctor Dashboard

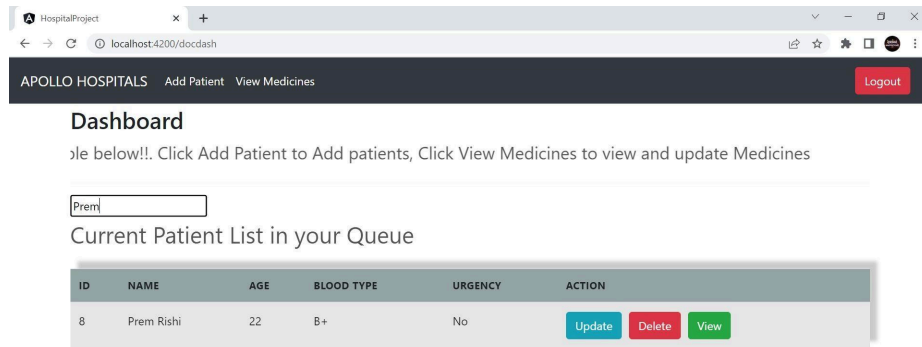


Figure 5: Search by name

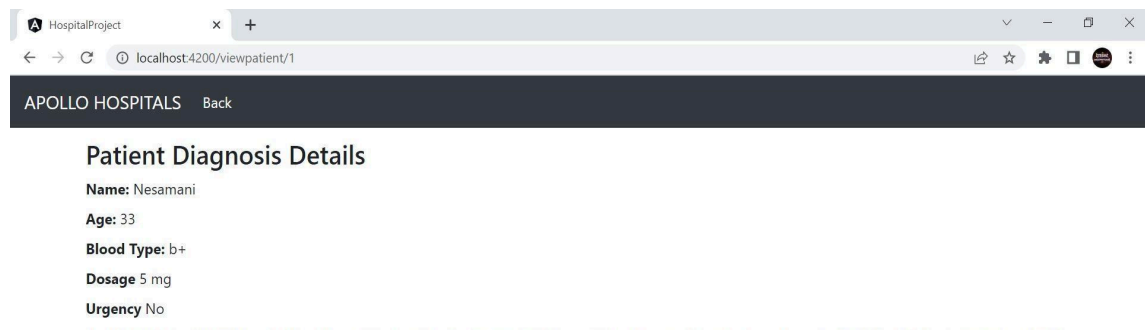


Figure 6: View Patient

A screenshot of a web browser showing the 'Add New Patient' form. The browser's address bar displays 'localhost:4200/createpatient'. The page has a dark header with 'APOLLO HOSPITALS' and a 'Back' link. The form contains several input fields: 'Age' (placeholder: 'Enter Age'), 'Blood Type' (placeholder: 'Enter Blood Type'), 'Prescription' (placeholder: 'Enter Prescription'), 'Dosage' (placeholder: 'Enter Dosage'), 'Fees' (placeholder: 'Enter Fees'), and 'Urgency' (placeholder: 'Urgency'). A green 'Submit' button is located at the bottom left of the form area.

Figure 7: Add New Patient

A screenshot of a web browser showing the 'Update Patient' form. The browser's address bar displays 'localhost:4200/updatepatient/1'. The page has a dark header with 'APOLLO HOSPITALS'. The form is titled 'Update Patient' and contains input fields for 'ID' (value: '1'), 'Name' (value: 'Nesamani'), 'Age' (value: '33'), and 'Blood Type' (value: 'b+').

Figure 8: Update Patient

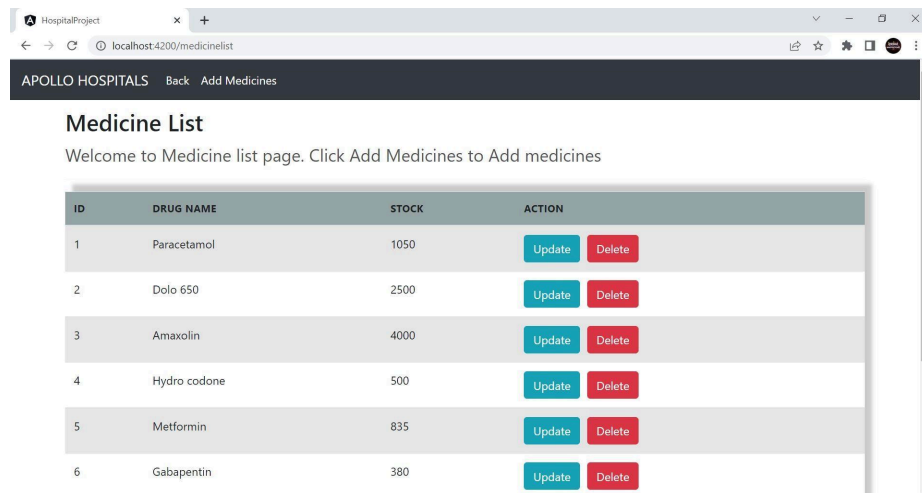


Figure 9: Medicine List

1. Add Medicine component:

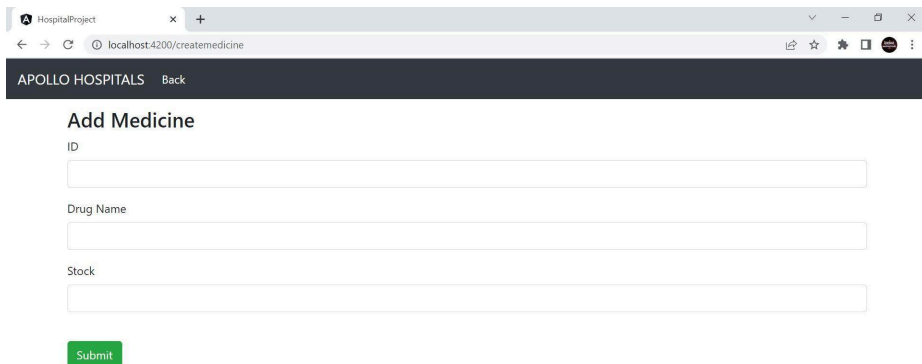
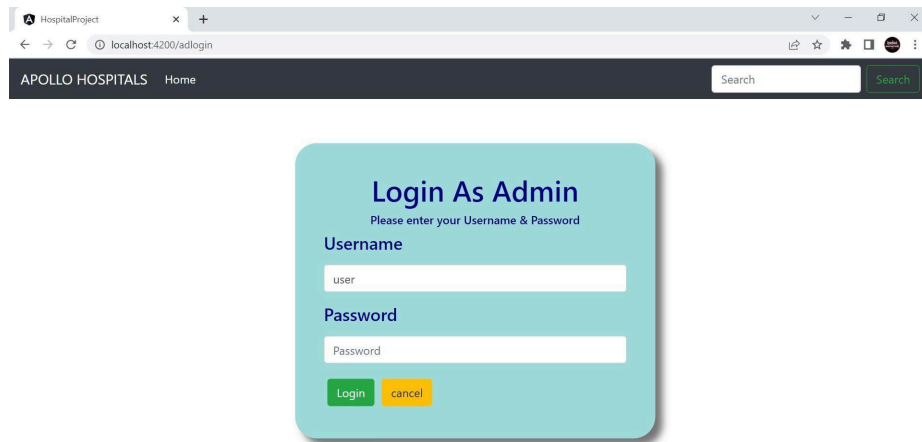


Figure 10: Add Medicine



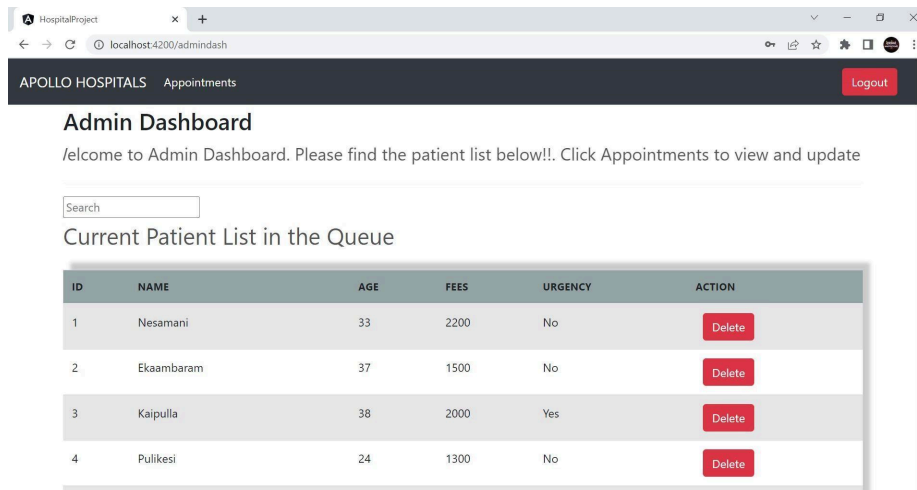
Login As Admin
Please enter your Username & Password

Username
user

Password
Password

Login cancel

Figure 11: Admin Login



Admin Dashboard
/elcome to Admin Dashboard. Please find the patient list below!!. Click Appointments to view and update

Search

Current Patient List in the Queue

ID	NAME	AGE	FEES	URGENCY	ACTION
1	Nesamani	33	2200	No	Delete
2	Ekaambaram	37	1500	No	Delete
3	Kaipulla	38	2000	Yes	Delete
4	Pulikesi	24	1300	No	Delete

Figure 12: Admin Dashboard

Appointment List

Welcome to Appointment list page. Click Add Appointments to Add appointments

ID	NAME	AGE	SYMPTOMS	NUMBER	ACTION
1	Prem Rishi	22	Sleeplessness, Tired, Drowsy	9159821775	Delete
3	Scooby	12	Head ache	9156821775	Delete
7	Rajesh	23	Fever	7676767676	Delete

Figure 13: Appointments