

# WIPRO CAPSTONE PROJECT

## HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

Name : KOMMOJU NAGA RAJESWAR ROHIT

### I. BACKEND OF HOSPITAL MANAGEMENT SYSTEM

The screenshot shows a web browser at localhost:8761 displaying the System Status and DS Replicas of a hospital management system. The System Status section includes a table with Environment (test), Data center (default), Current time (2025-09-04T16:35:04 +0530), Uptime (06:50), Lease expiration enabled (true), Renew threshold (18), and Renew (last min) (20). The DS Replicas section shows a table of instances currently registered with Eureka, including API-GATEWAY, APPOINTMENT-SERVICE, BILLING-SERVICE, CONFIG-SERVER, DOCTOR-SERVICE, EMAIL-SERVICE, MEDICAL-RECORD-SERVICE, PATIENT-SERVICE, PAYMENT-SERVICE, and USER-AUTHENTICATION-SERVICE.

Application	AMIs	Availability Zones	Status
API-GATEWAY	n/a (1)	(1)	UP (1) - <a href="#">KNRROHIT-API-GateWay:8765</a>
APPOINTMENT-SERVICE	n/a (1)	(1)	UP (1) - <a href="#">KNRROHIT-appointment-service:8083</a>
BILLING-SERVICE	n/a (1)	(1)	UP (1) - <a href="#">KNRROHIT-billing-service:8085</a>
CONFIG-SERVER	n/a (1)	(1)	UP (1) - <a href="#">KNRROHIT-Config-Server:9095</a>
DOCTOR-SERVICE	n/a (1)	(1)	UP (1) - <a href="#">KNRROHIT-doctor-service:8081</a>
EMAIL-SERVICE	n/a (1)	(1)	UP (1) - <a href="#">KNRROHIT-Email-Service:8088</a>
MEDICAL-RECORD-SERVICE	n/a (1)	(1)	UP (1) - <a href="#">KNRROHIT-medical-record-service:8084</a>
PATIENT-SERVICE	n/a (1)	(1)	UP (1) - <a href="#">KNRROHIT-patient-service:8082</a>
PAYMENT-SERVICE	n/a (1)	(1)	UP (1) - <a href="#">KNRROHIT-payment-service:8089</a>
USER-AUTHENTICATION-SERVICE	n/a (1)	(1)	UP (1) - <a href="#">KNRROHIT-USER-AUTHENTICATION-SERVICE:8087</a>

The screenshot shows a web browser at localhost:8765/api/auth/signup with a POST request. The request body is a JSON object with the following fields: name, email, password, and userRole. The response body is a JSON object with the following fields: id, name, email, password, and userRole. The status is 201 Created, Time is 4.17 s, and Size is 604 B.

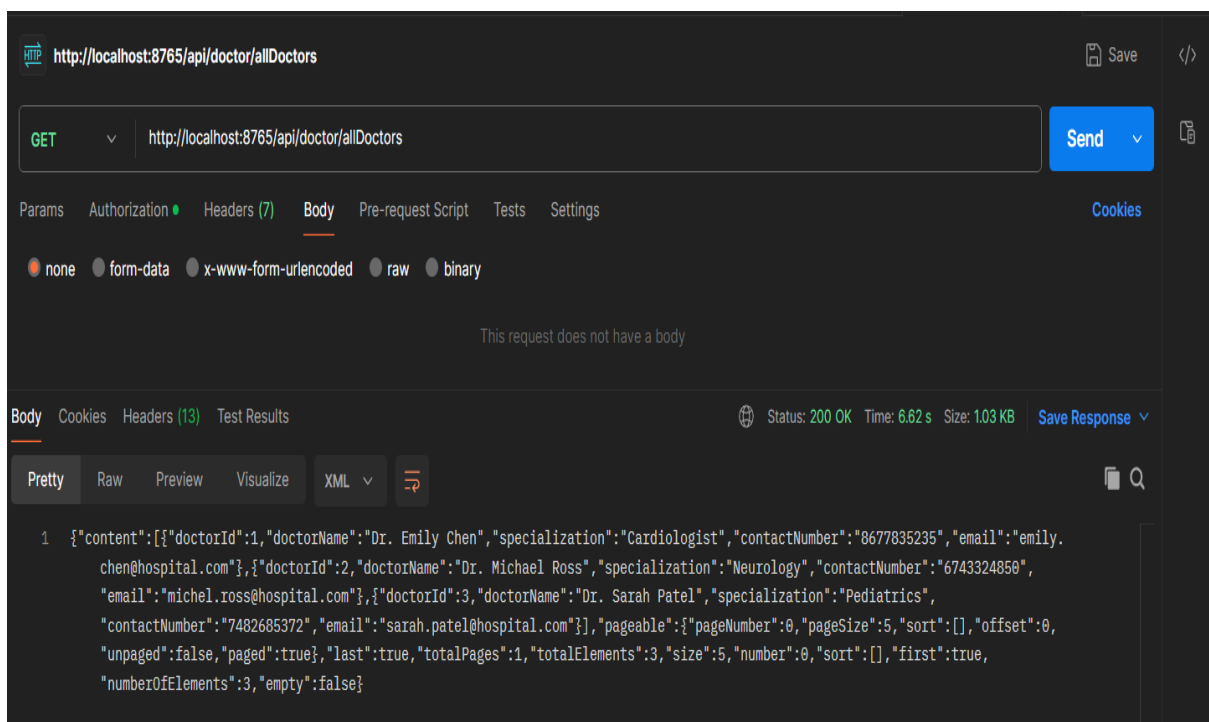
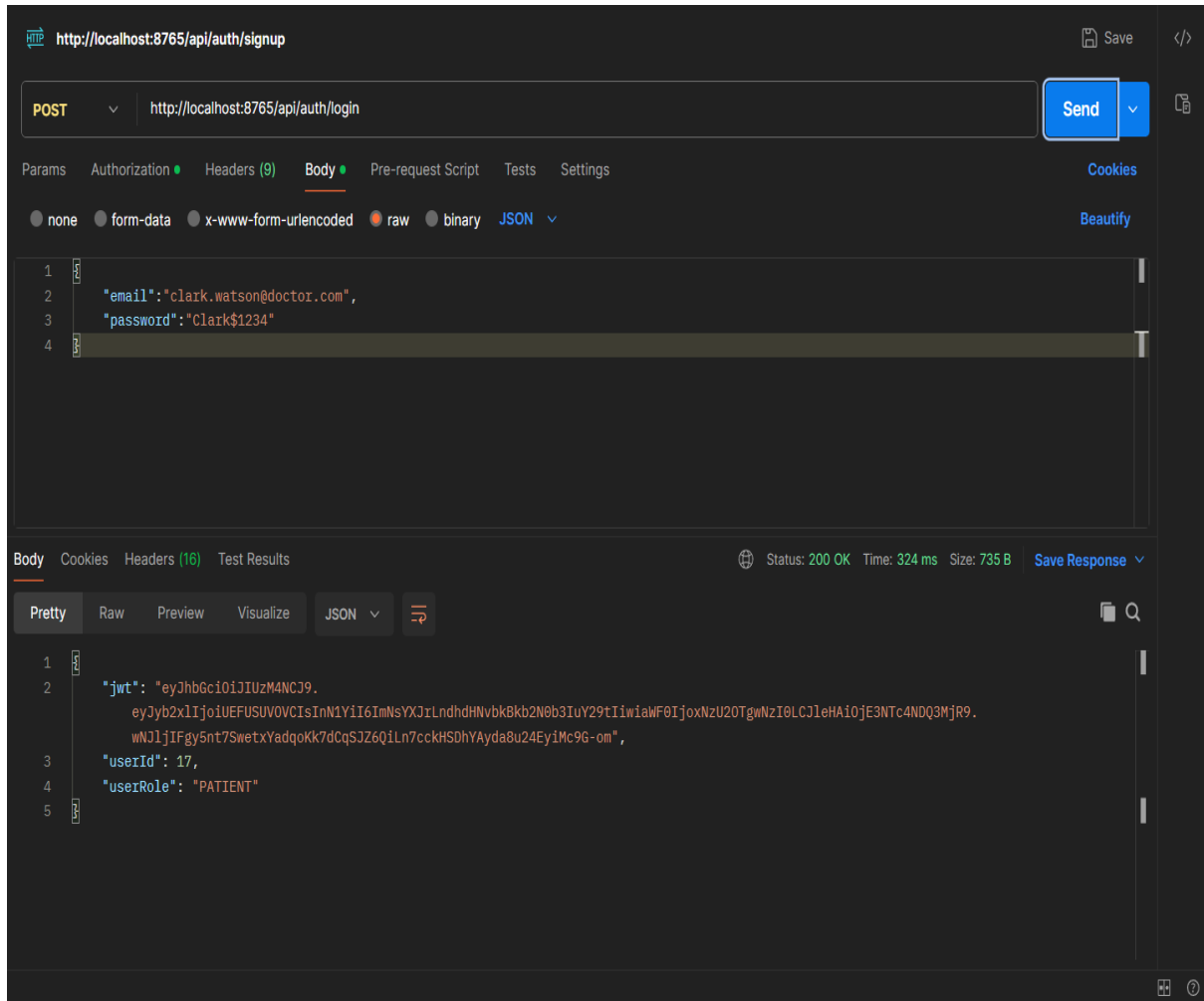
```
POST http://localhost:8765/api/auth/signup

{"name": "Dr Clark Watson", "email": "clark.watson@doctor.com", "password": "Clark$1234", "userRole": "DOCTOR"}
```

```
{ "id": 17, "name": "Dr Clark Watson", "email": "clark.watson@doctor.com", "password": null, "userRole": "PATIENT" }
```

# HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

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**HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)**  
Name : KOMMOJU NAGA RAJESWAR ROHIT

HTTP <http://localhost:8765/api/doctor/getAppointments/1?page=0&size=10> Save </>

GET <http://localhost:8765/api/doctor/getAppointments/1?page=0&size=10> Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary

This request does not have a body

Body Cookies Headers (13) Test Results Status: 200 OK Time: 103 ms Size: 688 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   {
3     "appointmentId": 1,
4     "patientId": 1,
5     "doctorId": 1,
6     "appointmentDate": "2025-09-01T10:00:00",
7     "status": "SCHEDULED",
8     "appointmentType": "CONSULTATION"
9   },
10  {
11    "appointmentId": 4,
12    "patientId": 2,
13    "doctorId": 1,
14    "appointmentDate": "2025-09-04T15:30:00",
15    "status": "COMPLETED",
16    "appointmentType": "CONSULTATION"
17  }
18 }
```

HTTP <http://localhost:8765/api/patients> Save </>

POST <http://localhost:8765/api/patients> Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary JSON Beautify

```
1 {
2   "patientName": "Christin Adela",
3   "patientAddress": "Washington",
4   "dateOfBirth": "1995-05-18",
5   "weight": 85,
6   "height": 175
7 }
```

Body Cookies Headers (13) Test Results Status: 200 OK Time: 574 ms Size: 533 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "patientId": 4,
3   "patientName": "Christin Adela",
4   "patientAddress": "Washington",
5   "dateOfBirth": "1995-05-18",
6   "weight": 85,
7   "height": 175
8 }
```

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The screenshot displays a REST client interface with two API requests and their corresponding responses.

**Request 1:**

- URL: `http://localhost:8765/api/appointments/update/1`
- Method: `PATCH`
- Body (JSON):

```
{  "patientId": 1,  "doctorId": 1,  "appointmentDate": "2025-09-01T12:00:00",  "status": "SCHEDULED",  "appointmentType": "FOLLOW_UP"}
```
- Status: `200 OK`, Time: `1247 ms`, Size: `631 B`
- Response Body (JSON):

```
{  "appointmentId": 1,  "patientId": 1,  "doctorId": 1,  "appointmentDate": "2025-09-01T12:00:00",  "status": "SCHEDULED",  "appointmentType": "FOLLOW_UP"}
```

**Request 2:**

- URL: `http://localhost:8765/api/patients/getAppointments/3`
- Method: `GET`
- Body (JSON):

```
{  "patientName": "Christin Adela",  "patientAddress": "Washington",  "dateOfBirth": "1995-05-18",  "weight": 85,  "height": 175}
```
- Status: `200 OK`, Time: `928 ms`, Size: `544 B`
- Response Body (JSON):

```
{  "appointmentId": 3,  "patientId": 3,  "doctorId": 3,  "appointmentDate": "2025-09-03T09:30:00",  "status": "CANCELLED",  "appointmentType": "EMERGENCY"}
```

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HTTP <http://localhost:8765/api/medicalrecords/getDoctor/1> Save </>

GET <http://localhost:8765/api/medicalrecords/getDoctor/1> Send

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary JSON

```
1 {
2   "patientId": 1,
3   "doctorId": 1,
4   "appointmentDate": "2025-09-01T12:00:00",
5   "status": "SCHEDULED",
6   "appointmentType": "FOLLOW_UP"
7 }
```

Body Cookies Headers (13) Test Results Status: 200 OK Time: 716 s Size: 544 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "doctorId": 1,
3   "doctorName": "Dr. Emily Chen",
4   "specialization": "Cardiologist",
5   "contactNumber": "8677835235",
6   "email": "emily.chen@hospital.com"
7 }
```

HTTP <http://localhost:8765/api/medicalrecords/getMedicalRecord/3> Save </>

GET <http://localhost:8765/api/medicalrecords/getMedicalRecord/3> Send

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary JSON

```
1 {
2   "patientId": 1,
3   "doctorId": 1,
4   "appointmentDate": "2025-09-01T12:00:00",
5   "status": "SCHEDULED",
6   "appointmentType": "FOLLOW_UP"
7 }
```

Body Cookies Headers (13) Test Results Status: 200 OK Time: 78 ms Size: 592 B Save Response

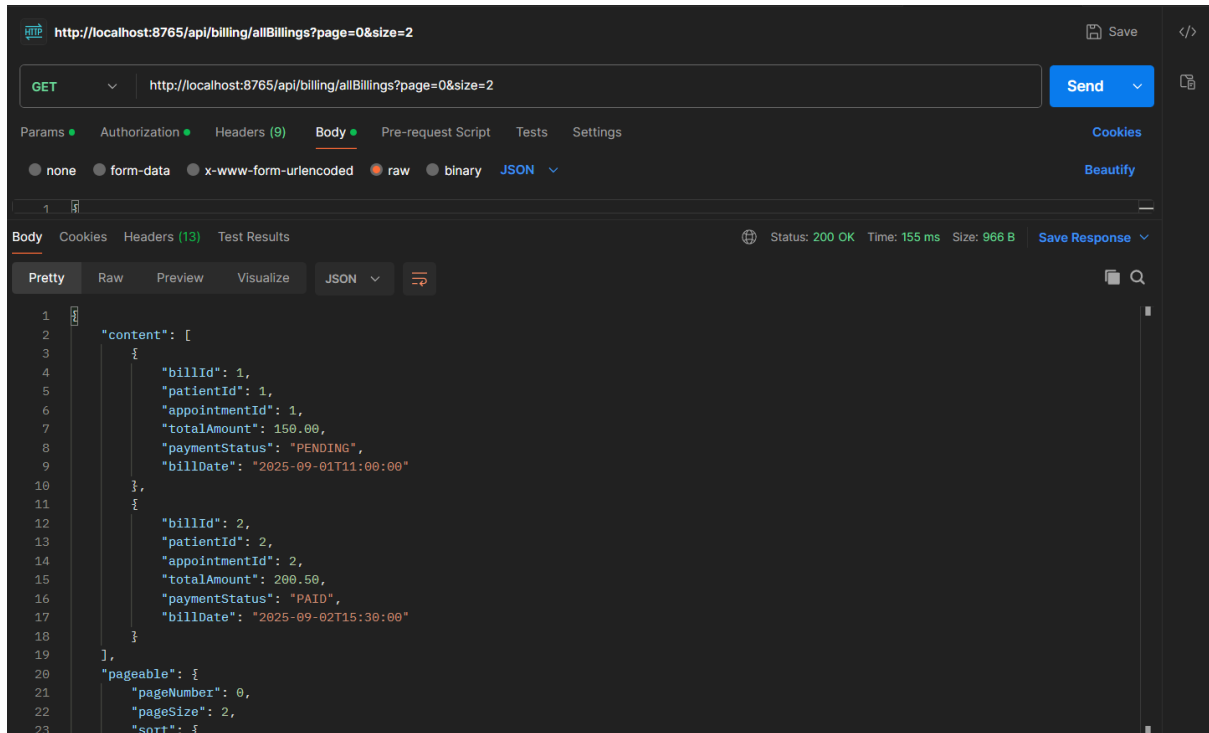
Pretty Raw Preview Visualize JSON

```
1 {
2   "recordId": 3,
3   "patientId": 2,
4   "description": "Migraine diagnosis and treatment",
5   "doctorId": 2,
6   "treatedAt": "2025-08-25T11:40:00",
7   "medicines": [
8     "Ibuprofen",
9     "Sumatriptan"
10  ],
11   "revisit": "2025-09-25"
12 }
```

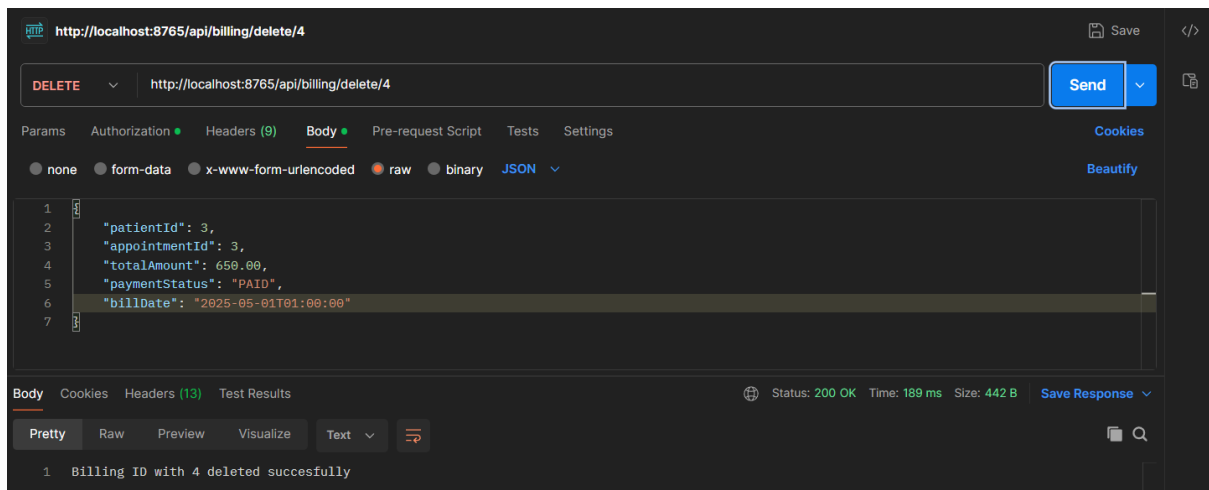
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## HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

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```
1
2
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16
17
18
19
20
21
22
23
{
  "content": [
    {
      "billId": 1,
      "patientId": 1,
      "appointmentId": 1,
      "totalAmount": 150.00,
      "paymentStatus": "PENDING",
      "billDate": "2025-09-01T11:00:00"
    },
    {
      "billId": 2,
      "patientId": 2,
      "appointmentId": 2,
      "totalAmount": 200.50,
      "paymentStatus": "PAID",
      "billDate": "2025-09-02T15:30:00"
    }
  ],
  "pageable": {
    "pageNumber": 0,
    "pageSize": 2,
    "sort": {}
  }
}
```



```
1
2
3
4
5
6
7
{
  "patientId": 3,
  "appointmentId": 3,
  "totalAmount": 650.00,
  "paymentStatus": "PAID",
  "billDate": "2025-05-01T01:00:00"
}
```

1 Billing ID with 4 deleted successfully

## Kafka Message Mail

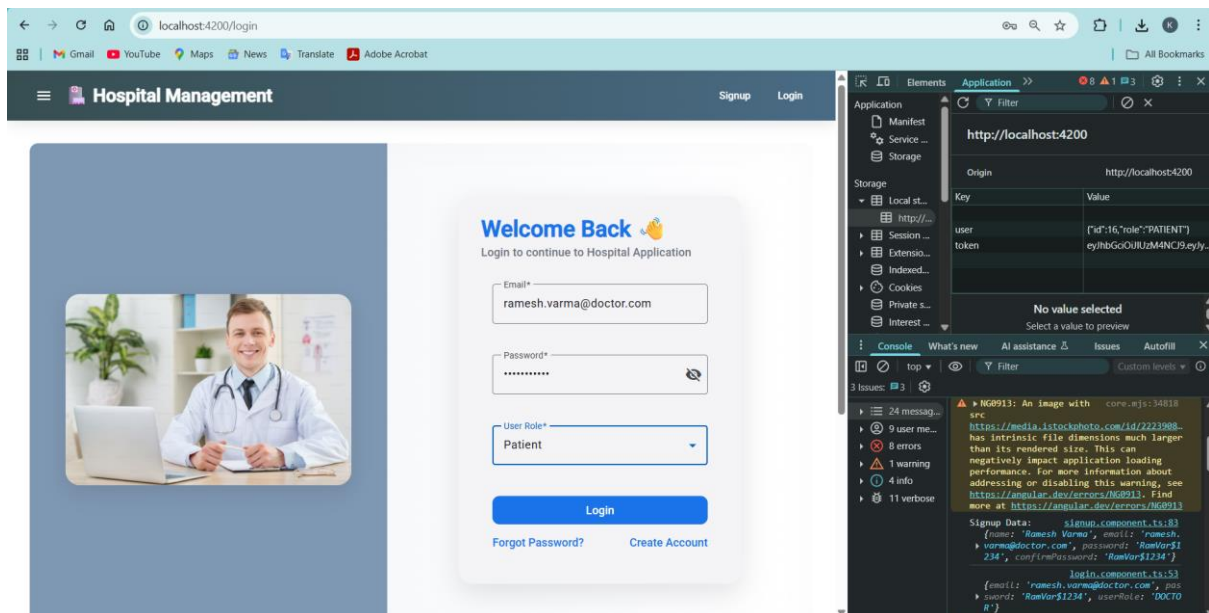
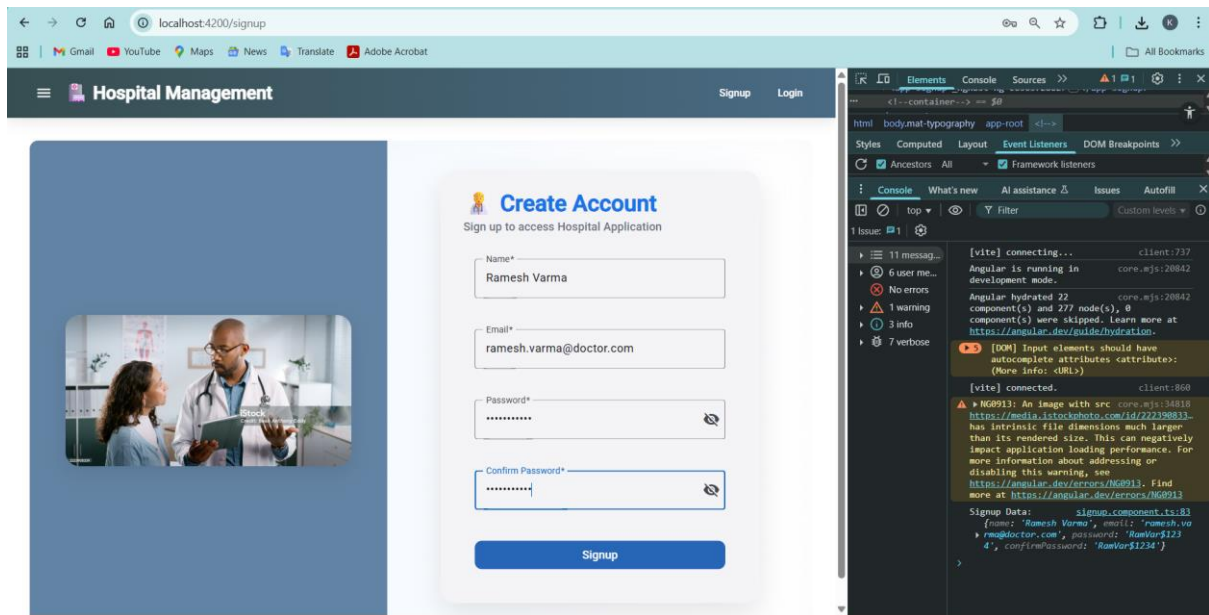


# WIPRO CAPSTONE PROJECT

## HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

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### II. FRONTEND OF HOSPITAL MANAGEMENT SYSTEM



# WIPRO CAPSTONE PROJECT

## HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

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localhost:4200/user/bills

🔍 ☆ 🗂️

📧 Gmail 📺 YouTube 📍 Maps 📰 News 🗣️ Translate 📄 Adobe Acrobat

📁 All Bookmarks

🏠 Hospital Management

Signup Login

### Billing

Bill ID: 1

Patient ID: 1

Appointment ID: 1

Amount: ₹150

Due Date: 2025-09-01 11:00

Status: PENDING

Pay

Bill ID: 2

Patient ID: 2

Appointment ID: 2

Amount: ₹200.5

Due Date: 2025-09-02 15:30

Status: PAID

Pay

Bill ID: 3

Patient ID: 3

Appointment ID: 3

Amount: ₹100

Due Date: 2025-09-03 11:00

Status: FAILED

Pay

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localhost:4200/user/dashboard

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📁 All Bookmarks

☰ Hospital Management

Signup Login

Complete your profile

Name\*

Ramesh

Address\*

ramesh@gmail.com

Date of Birth\*

01-06-1987

Weight (kg)\*

80

Height (cm)\*

175

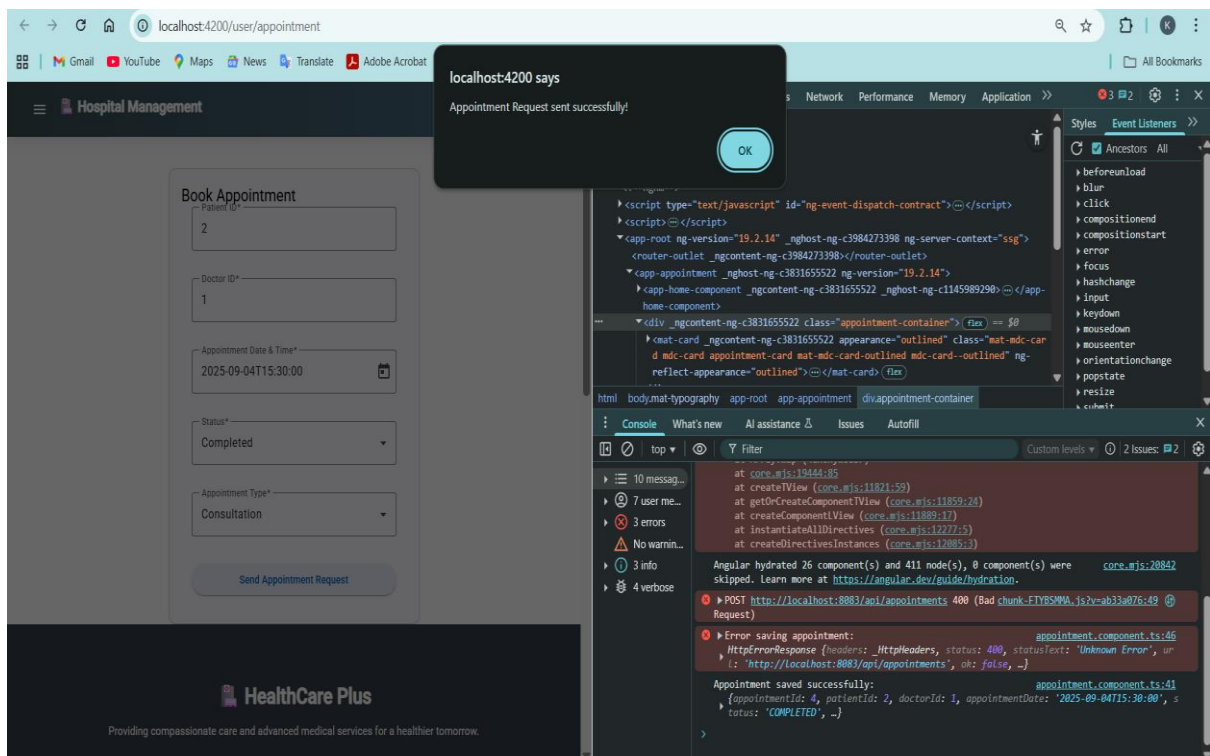
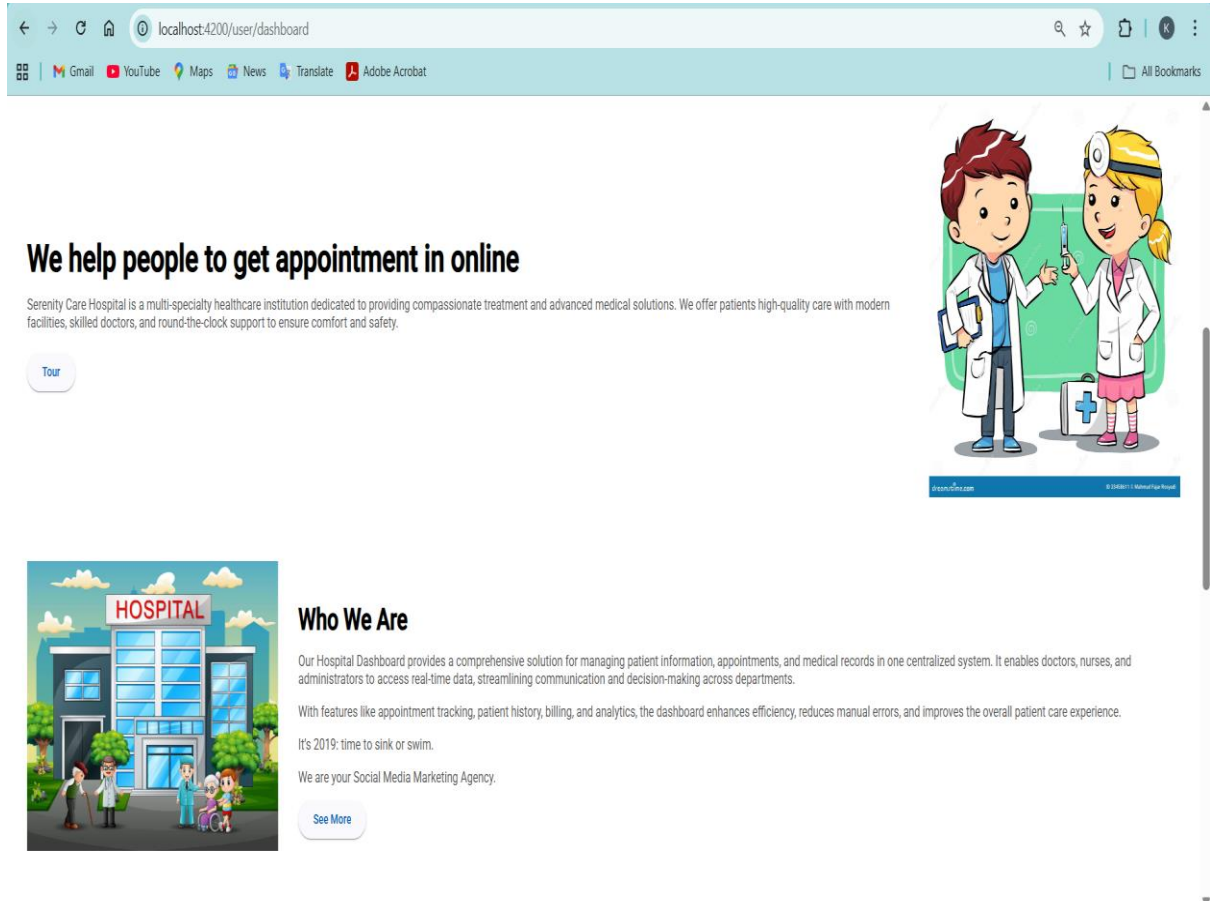
Submit



# WIPRO CAPSTONE PROJECT

## HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

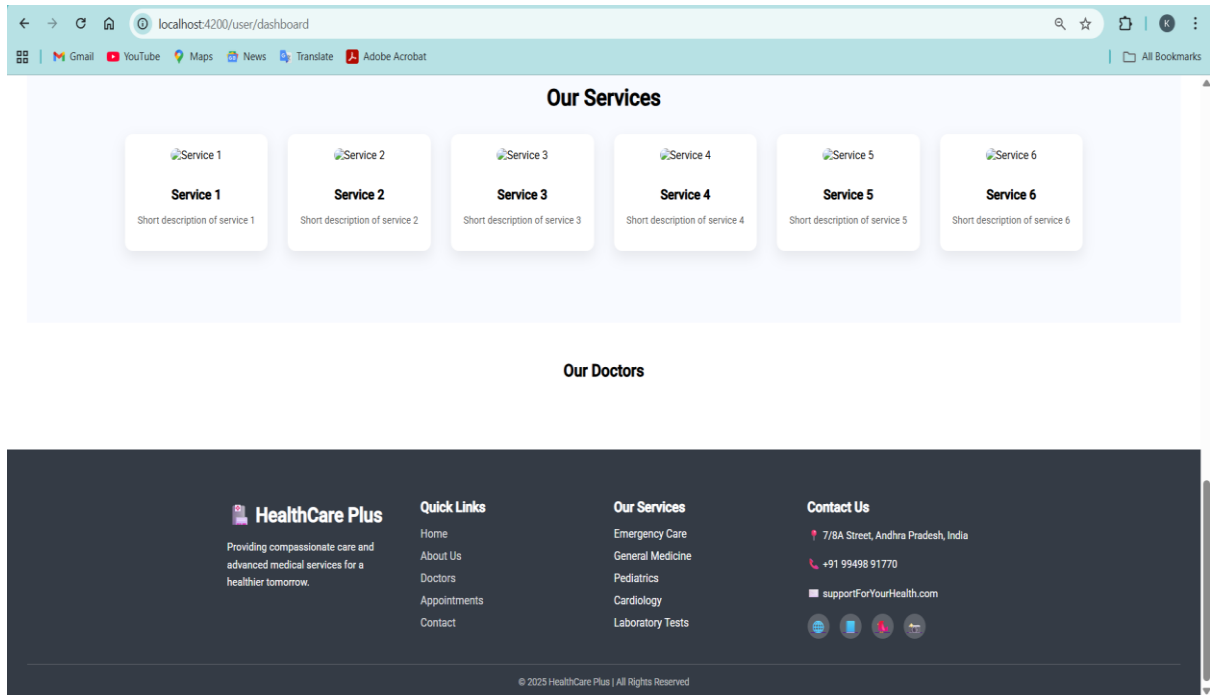
Name : KOMMOJU NAGA RAJESWAR ROHIT



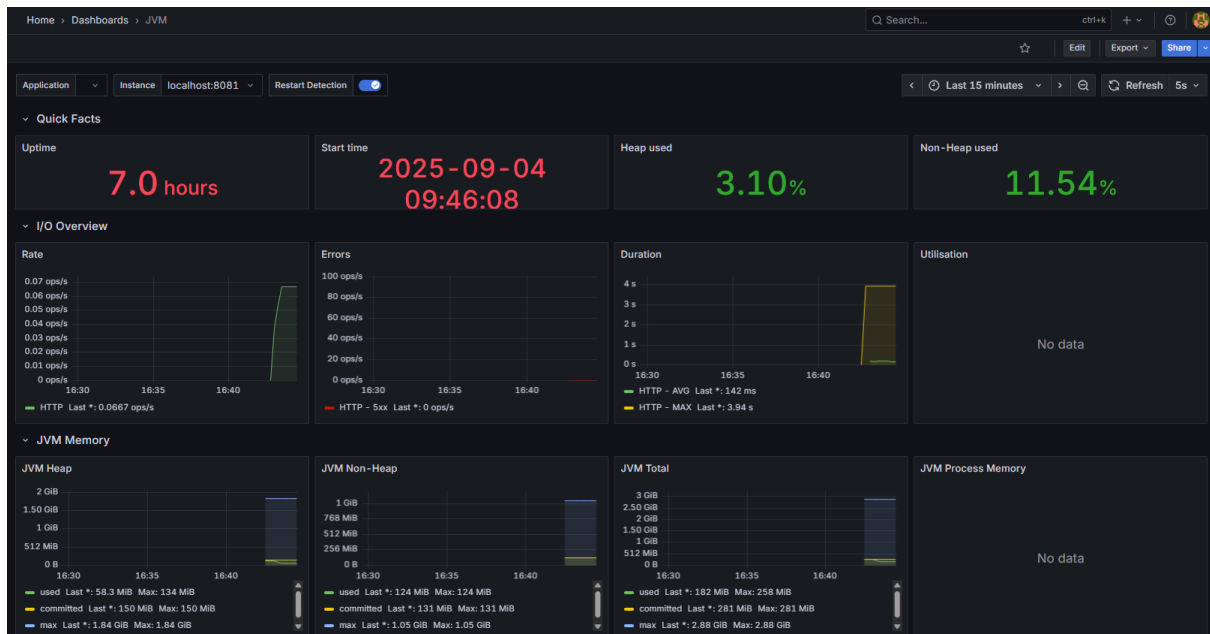
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### III. PROMETHEUS



# WIPRO CAPSTONE PROJECT

## HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

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