

WIPRO CAPSTONE PROJECT

HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

Name : Rushikesh Santosh Ghodake

I. BACKEND OF HOSPITAL MANAGEMENT SYSTEM

The image displays two screenshots related to the backend of a Hospital Management System.

Top Screenshot: Eureka UI

The Eureka UI shows the service registry for the application. The "Renews threshold" is 13, and "Renews (last min)" is 0. Under "DS Replicas", it lists "Instances currently registered with Eureka".

Application	AMIs	Availability Zones	Status
API-GATEWAY	n/a (1)	(1)	UP (1) - DESKTOP-15PIHOA\lan:API-GateWay:8765
APPOINTMENTSERVICE	n/a (1)	(1)	UP (1) - DESKTOP-15PIHOA\lan:AppointmentService:8083
BILLING_SERVICE	n/a (1)	(1)	UP (1) - DESKTOP-15PIHOA\lan:Billing_Service:8085
CONFIG-SERVER	n/a (1)	(1)	UP (1) - DESKTOP-15PIHOA\lan:Config-Server:8888
DOCTOR-SERVICE	n/a (1)	(1)	UP (1) - DESKTOP-15PIHOA\lan:Doctor-Service:8081
MEDICAL_RECORD_SERVICE	n/a (1)	(1)	UP (1) - DESKTOP-15PIHOA\lan:Medical_Record_Service:8084
PATIENT-SERVICE	n/a (1)	(1)	UP (1) - DESKTOP-15PIHOA\lan:Patient-Service:8082

General Info

Name	Value
total-avail-memory	83mb
num-of-cpus	8
current-memory-usage	72mb (86%)

Bottom Screenshot: Postman API Client

The Postman client shows a POST request to `http://localhost:8765/api/auth/signup`. The request body is a JSON object:

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

The response status is 201 Created, with a time of 4.17 s and size of 604 B. The response body is a JSON object:

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

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The screenshot shows a REST client interface with the following details:

- URL:** `http://localhost:8765/api/auth/signup`
- Method:** `POST`
- Request Body (JSON):**

```
{  "email": "clark.watson@doctor.com",  "password": "Clark$1234"}
```
- Status:** `200 OK`, **Time:** `324 ms`, **Size:** `736 B`
- Response Body (JSON):**

```
{  "jwt": "eyJhbGciOiJIUzI1NiIsInR5cGEiOiJ1b250b3IuY29tIiwiaWF0IjoxNzU2OTgwNzI0LCJleHAiOjE3NTc4NDQzMjR9.wNjIjIFgySnt7SwetxYadqoKk7dCqSjZ6QiLn7cckHSDhYAyda8u24EyiMc9G-om",  "userId": 17,  "userRole": "PATIENT"}
```

The screenshot shows a REST client interface with the following details:

- URL:** `http://localhost:8765/api/doctor/allDoctors`
- Method:** `GET`
- Status:** `200 OK`, **Time:** `6.62 s`, **Size:** `1.03 KB`
- Response Body (JSON):**

```
{  "content": [{    "doctorId": 1, "doctorName": "Dr. Emily Chen", "specialization": "Cardiologist", "contactNumber": "8677835235", "email": "emily.chen@hospital.com"},    {    "doctorId": 2, "doctorName": "Dr. Michael Ross", "specialization": "Neurology", "contactNumber": "6743324850", "email": "michel.ross@hospital.com"},    {    "doctorId": 3, "doctorName": "Dr. Sarah Patel", "specialization": "Pediatrics", "contactNumber": "7482685372", "email": "sarah.patel@hospital.com"}  ],  "pageable": {    "pageNumber": 0, "pageSize": 5, "sort": [], "offset": 0,    "unpaged": false, "paged": true, "last": true, "totalPages": 1, "totalElements": 3, "size": 5, "number": 0, "sort": [], "first": true, "numberOfElements": 3, "empty": false}
```

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

GET <http://localhost:8765/api/doctor/getAppointments/?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 two API requests in Postman, both returning 200 OK status.

Request 1: PATCH `http://localhost:8765/api/appointments/update/1`

Request Body (JSON):

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

Response 1: 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: GET `http://localhost:8765/api/patients/getAppointments/3`

Request Body (JSON):

```
{  "patientName": "Christin Adela",  "patientAddress": "Washington",  "dateOfBirth": "1995-05-18",  "weight": 85,  "height": 175}
```

Response 2: 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

GET http://localhost:8765/api/medicalrecords/getDoctor/1

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

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

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

GET http://localhost:8765/api/medicalrecords/getMedicalRecord/3

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

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

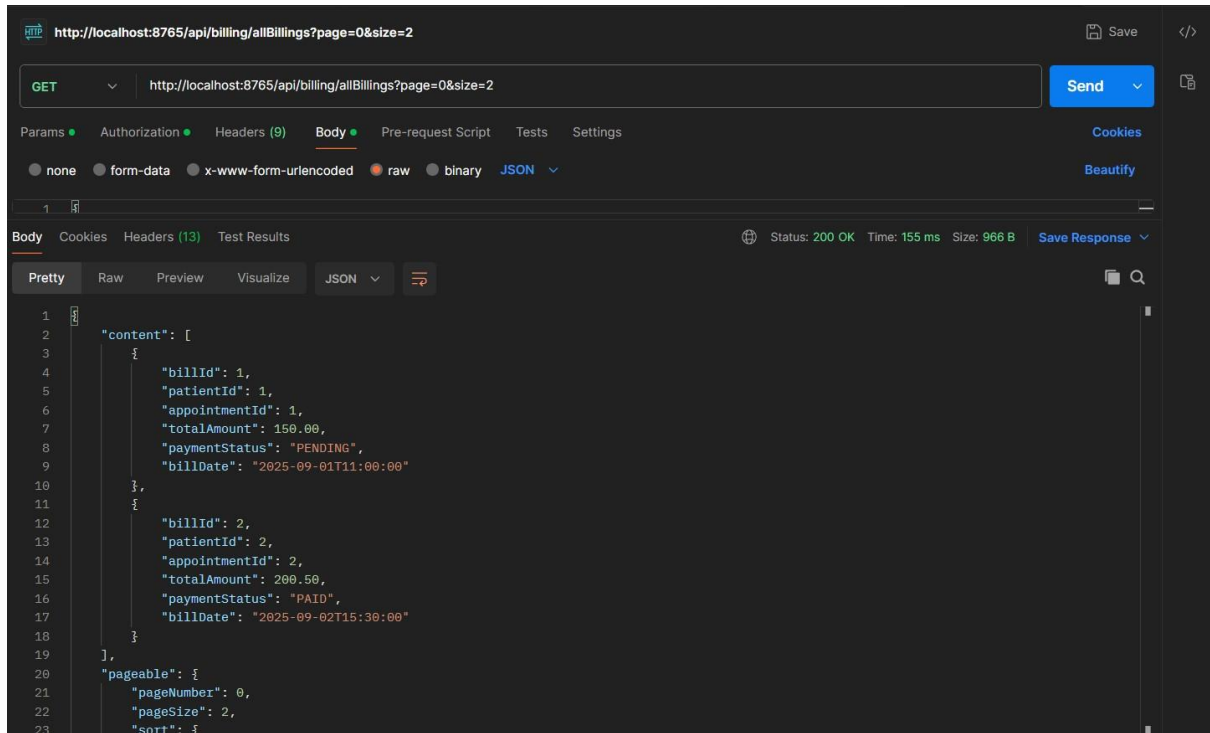
Pretty Raw Preview Visualize JSON

```
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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```
http://localhost:8765/api/billing/allBillings?page=0&size=2

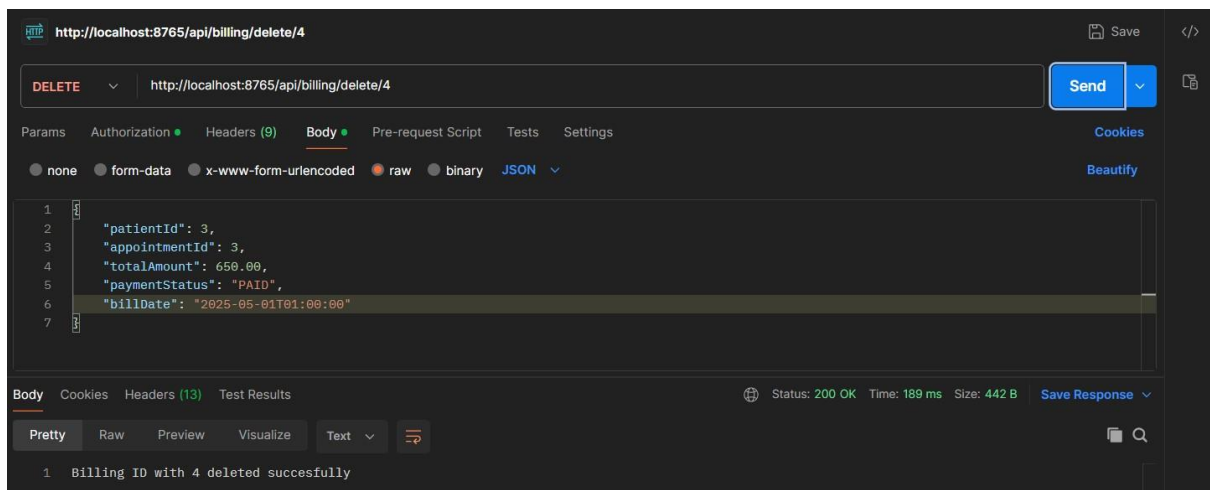
GET http://localhost:8765/api/billing/allBillings?page=0&size=2

Params Authorization Headers (9) Body Pre-request Script Tests Settings
none form-data x-www-form-urlencoded raw binary JSON

Body Cookies Headers (13) Test Results
Status: 200 OK Time: 155 ms Size: 966 B Save Response

Pretty Raw Preview Visualize JSON

1 {
2   "content": [
3     {
4       "billId": 1,
5       "patientId": 1,
6       "appointmentId": 1,
7       "totalAmount": 150.00,
8       "paymentStatus": "PENDING",
9       "billDate": "2025-09-01T11:00:00"
10    },
11    {
12      "billId": 2,
13      "patientId": 2,
14      "appointmentId": 2,
15      "totalAmount": 200.50,
16      "paymentStatus": "PAID",
17      "billDate": "2025-09-02T15:30:00"
18    }
19  ],
20  "pageable": {
21    "pageNumber": 0,
22    "pageSize": 2,
23    "sort": {
```



```
http://localhost:8765/api/billing/delete/4

DELETE http://localhost:8765/api/billing/delete/4

Params Authorization Headers (9) Body Pre-request Script Tests Settings
none form-data x-www-form-urlencoded raw binary JSON

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

Body Cookies Headers (13) Test Results
Status: 200 OK Time: 189 ms Size: 442 B Save Response

Pretty Raw Preview Visualize Text

1 Billing ID with 4 deleted successfully
```

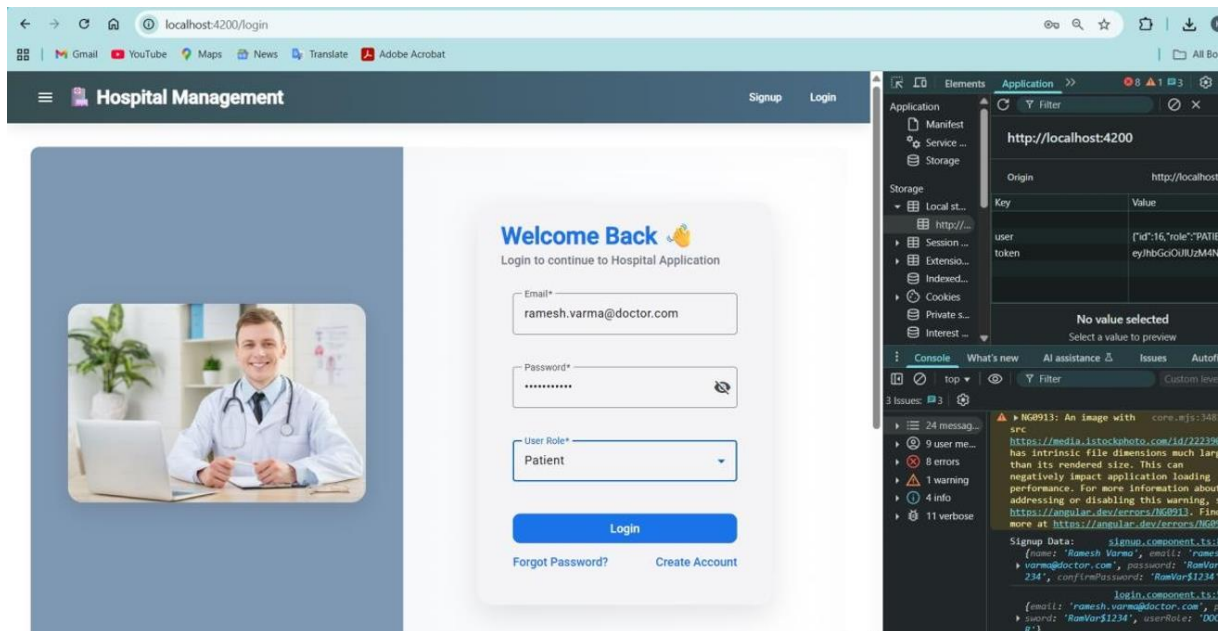
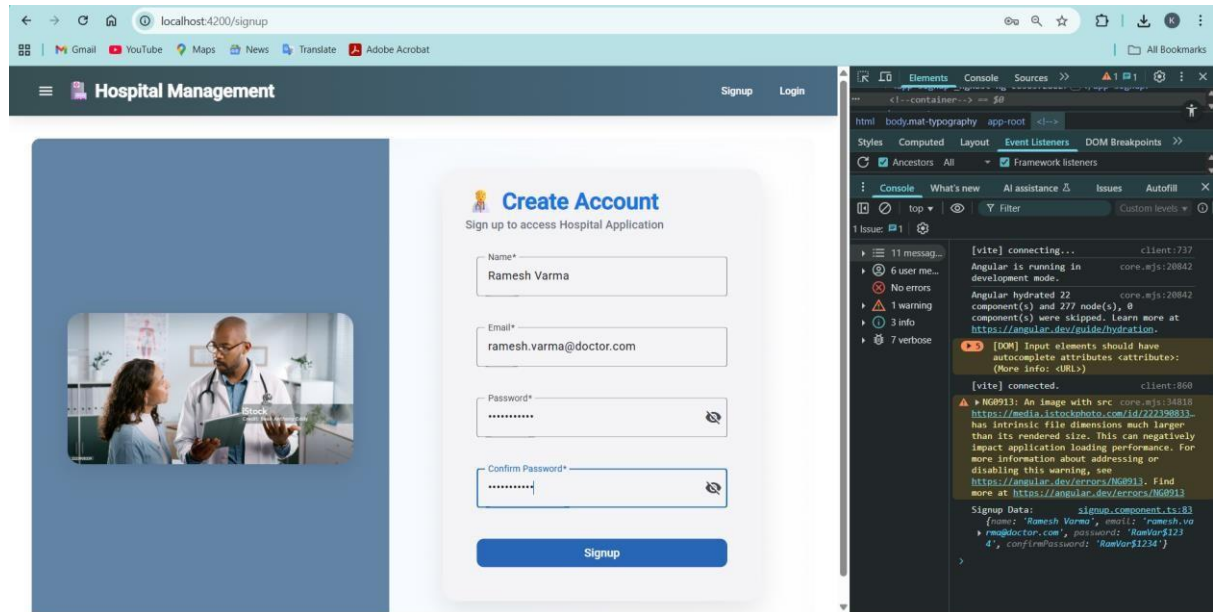
Kafka Message Mail

II. FRONTEND OF HOSPITAL MANAGEMENT SYSTEM

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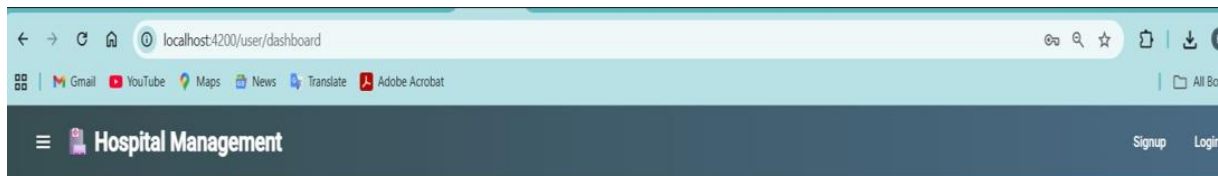
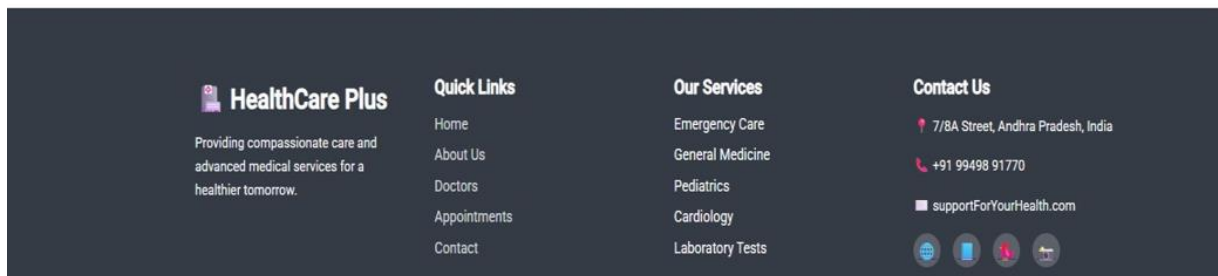
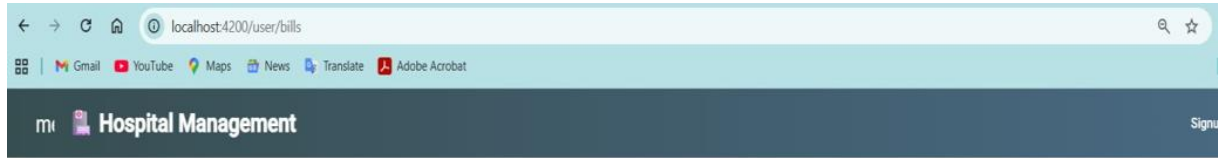
Name : Rushikesh Santosh Ghodake



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Name : Rushikesh Santosh Ghodake



Complete your profile

Name*
Ramesh

Address*
ramesh@gmail.com

Date of Birth*
01-06-1987

Weight (kg)*
80

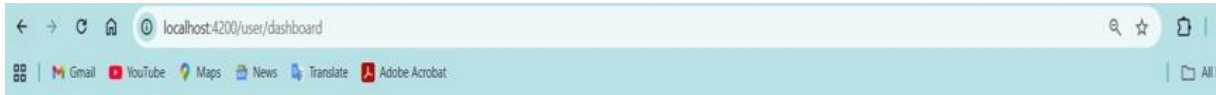
Height (cm)*
175

Submit

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Serenity Care Hospital is a multi-specialty healthcare institution dedicated to providing compassionate treatment and advanced medical solutions. We offer patients high-quality care with modern facilities, skilled doctors, and round-the-clock support to ensure comfort and safety.

[Tour](#)



Who We Are

Our Hospital Dashboard provides a comprehensive solution for managing patient information, appointments, and medical records in one centralized system. It enables doctors, nurses, and administrators to access real-time data, streamlining communication and decision-making across departments.

With features like appointment tracking, patient history, billing, and analytics, the dashboard enhances efficiency, reduces manual errors, and improves the overall patient care experience.

It's 2019: time to sink or swim.

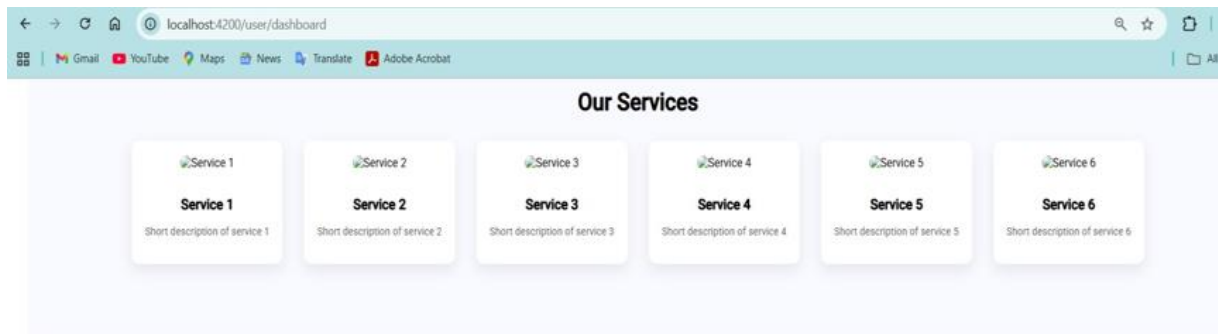
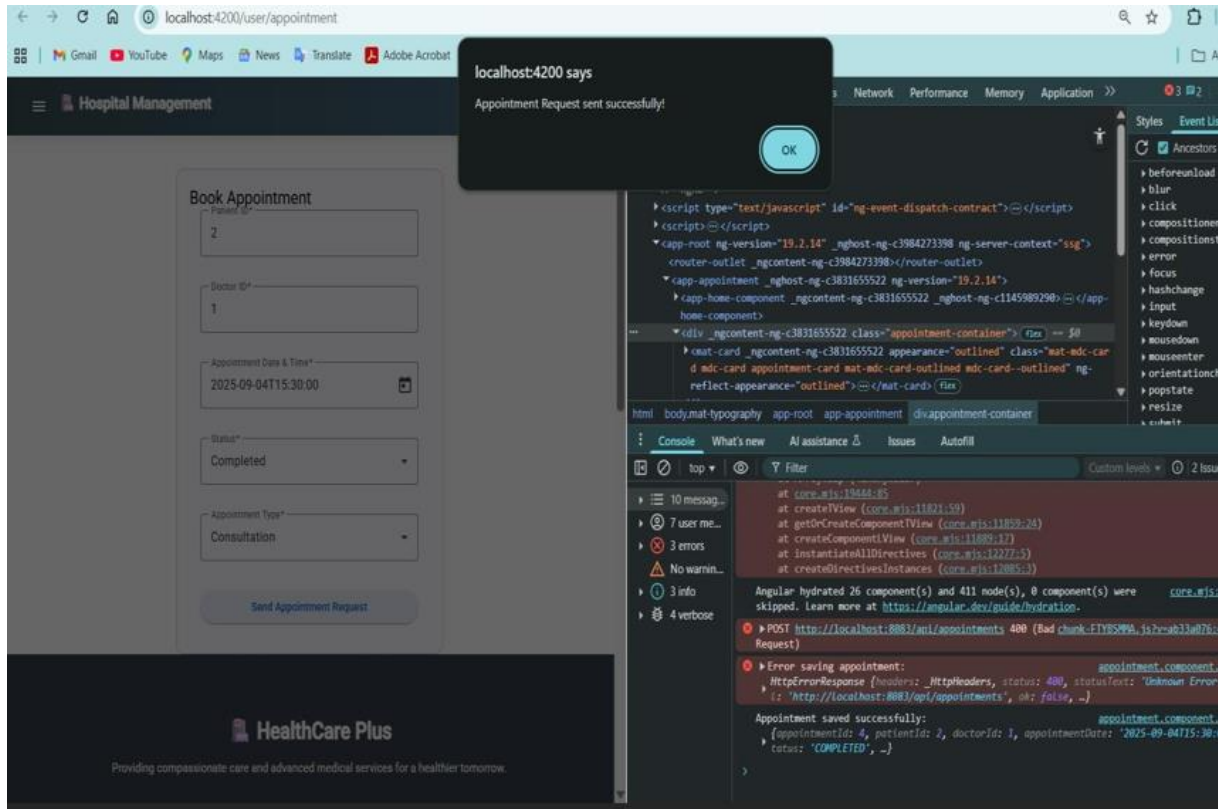
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Our Doctors

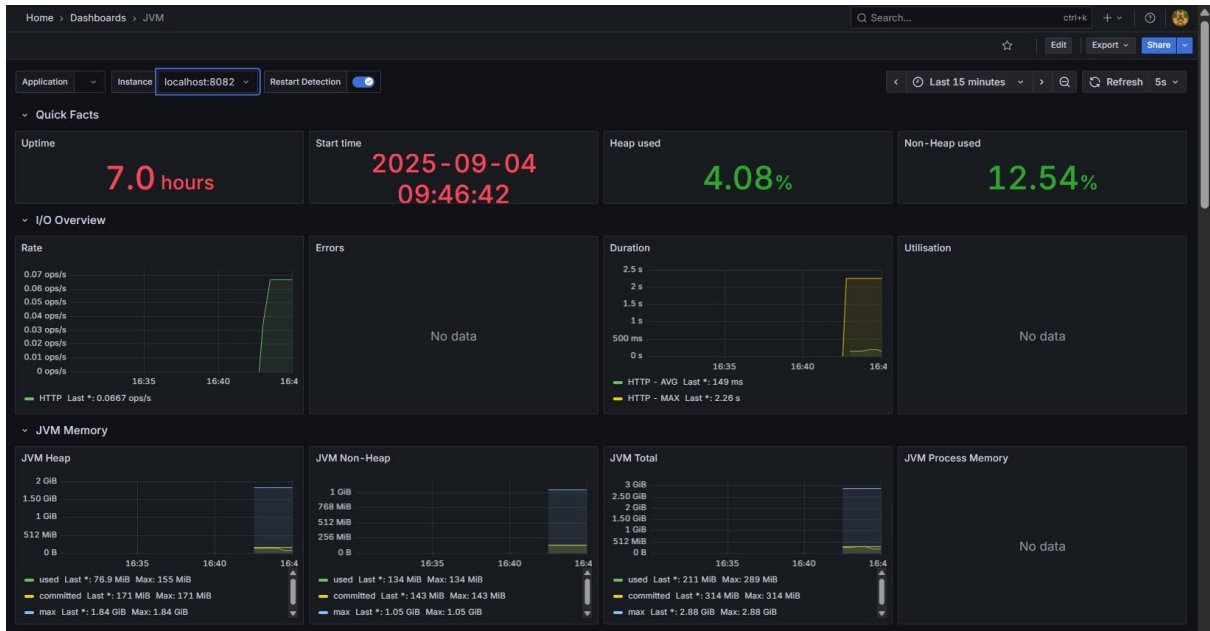
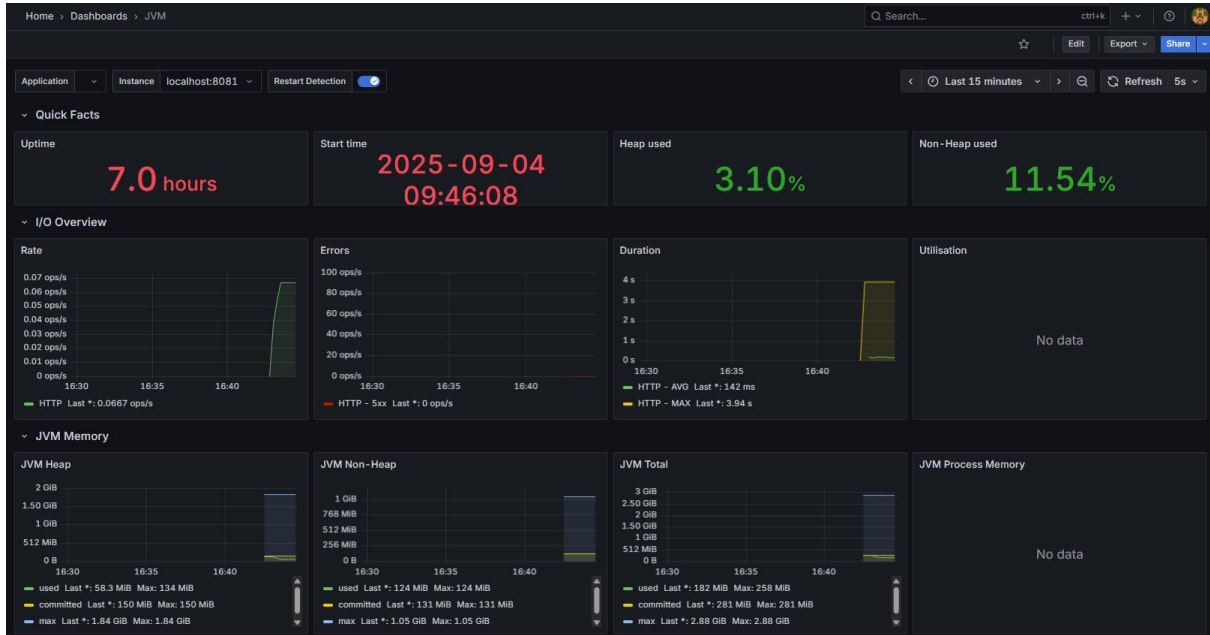


III. PROMETHEUS

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