

# WIPRO CAPSTONE PROJECT

## HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

NAME : KAKI SAI SRI GANESH

### I. BACKEND OF HOSPITAL MANAGEMENT SYSTEM

The screenshot shows a web browser at localhost:8761 displaying the 'System Status' page. The page is divided into two main sections: 'System Status' and 'DS Replicas'.

**System Status**

Environment	test	Current time	2025-09-04T16:35:04 +0530
Data center	default	Uptime	06:50
		Lease expiration enabled	true
		Renews threshold	18
		Renews (last min)	20

**DS Replicas**

Instances currently registered with Eureka

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

**General Info**

The screenshot shows a web browser at http://localhost:8765/api/auth/signup. The browser displays the 'POST' method and the URL. The 'Body' tab is selected, showing the request body in JSON format.

**Request Body (JSON)**

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

**Response Body (JSON)**

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

The response status is 201 Created, with a time of 4.17 s and a size of 604 B. The response is saved.

# WIPRO CAPSTONE PROJECT

## HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

NAME : KAKI SAI SRI GANESH

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

- URL:** `http://localhost:8765/api/auth/signup`
- Method:** `POST`
- Target URL:** `http://localhost:8765/api/auth/login`
- Body:** A JSON object with the following fields:

```
{  "email": "clark.watson@doctor.com",  "password": "Clark$1234"}
```
- Response:** A JSON object with the following fields:

```
{  "jwt": "eyJhbGciOiJIUzI1NiIsInR5cGEiOiJ1d20tZGwNzI0LCJleHAiOiJlE3NTc4NDQ3MjR9.wNj1jIFgy5nt7SwetxYadqKk7dCqSjZ6Qiln7cckHSDhYAyda8u24EyiMc9G-om",  "userId": 17,  "userRole": "PATIENT"}
```
- Status:** 200 OK
- Time:** 324 ms
- Size:** 735 B

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

- URL:** `http://localhost:8765/api/doctor/allDoctors`
- Method:** `GET`
- Target URL:** `http://localhost:8765/api/doctor/allDoctors`
- Body:** This request does not have a body.
- Response:** A JSON object with the following fields:

```
{  "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  }}
```
- Status:** 200 OK
- Time:** 6.62 s
- Size:** 1.03 KB

# WIPRO CAPSTONE PROJECT

## HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

NAME : KAKI SAI SRI GANESH

REST client interface showing a GET request to `http://localhost:8765/api/doctor/getAppointments/1?page=0&size=10`. The response is a JSON array of two appointment objects.

```
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 }
```

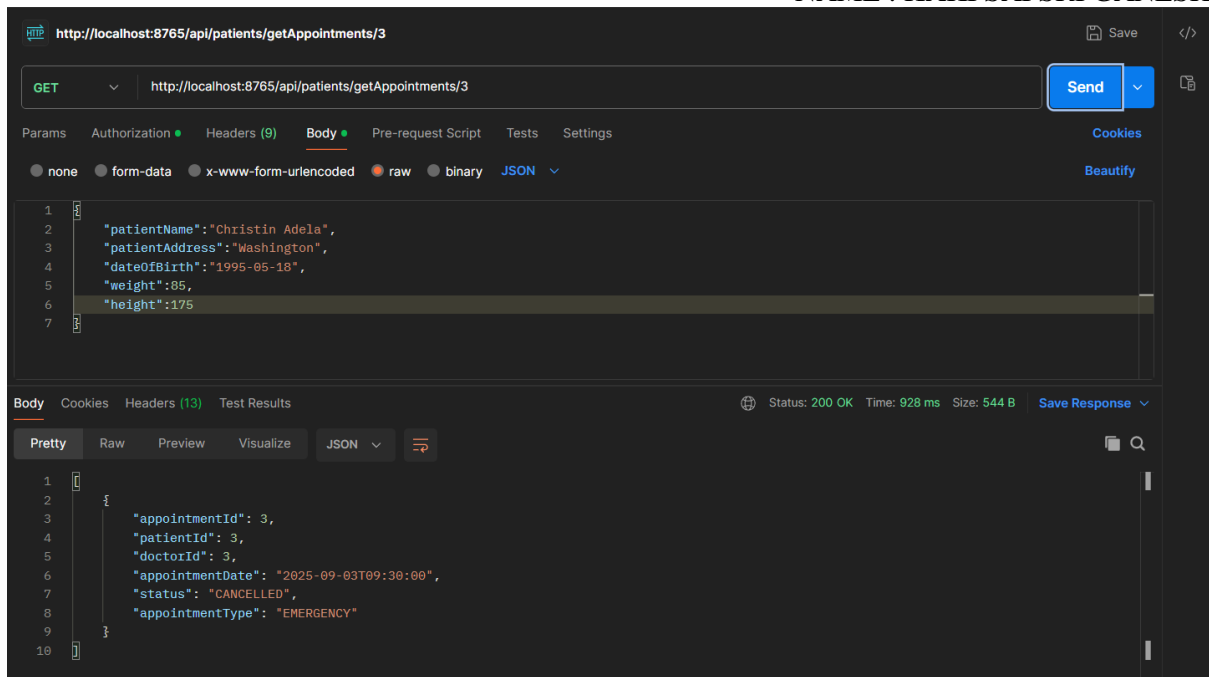
REST client interface showing a POST request to `http://localhost:8765/api/patients`. The request body is a JSON object for a new patient, and the response is a JSON object with the patient's ID.

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

Response:

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

**WIPRO CAPSTONE PROJECT**  
**HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)**  
**NAME : KAKI SAI SRI GANESH**



HTTP <http://localhost:8765/api/patients/getAppointments/3> Save </>

GET <http://localhost:8765/api/patients/getAppointments/3> Send

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

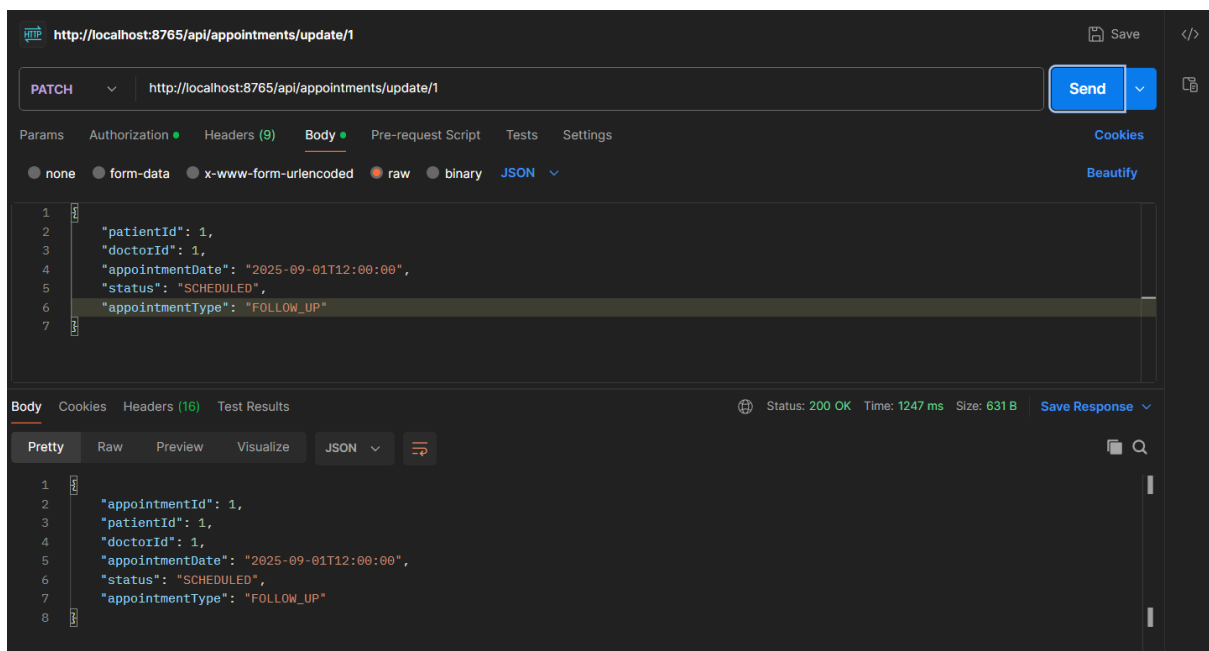
none form-data x-www-form-urlencoded raw binary JSON

```
1 {
2   "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: 928 ms Size: 544 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "appointmentId": 3,
3   "patientId": 3,
4   "doctorId": 3,
5   "appointmentDate": "2025-09-03T09:30:00",
6   "status": "CANCELLED",
7   "appointmentType": "EMERGENCY"
8 }
```



HTTP <http://localhost:8765/api/appointments/update/1> Save </>

PATCH <http://localhost:8765/api/appointments/update/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 (16) Test Results Status: 200 OK Time: 1247 ms Size: 631 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "appointmentId": 1,
3   "patientId": 1,
4   "doctorId": 1,
5   "appointmentDate": "2025-09-01T12:00:00",
6   "status": "SCHEDULED",
7   "appointmentType": "FOLLOW_UP"
8 }
```

# WIPRO CAPSTONE PROJECT

## HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

NAME : KAKI SAI SRI GANESH

Postman interface showing a GET request to `http://localhost:8765/api/medicalrecords/getDoctor/1`. The request is successful (Status: 200 OK). The response body is a JSON object:

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

The response status is 200 OK, Time: 716 s, Size: 544 B.

Postman interface showing a GET request to `http://localhost:8765/api/medicalrecords/getMedicalRecord/3`. The request is successful (Status: 200 OK). The response body is a JSON object:

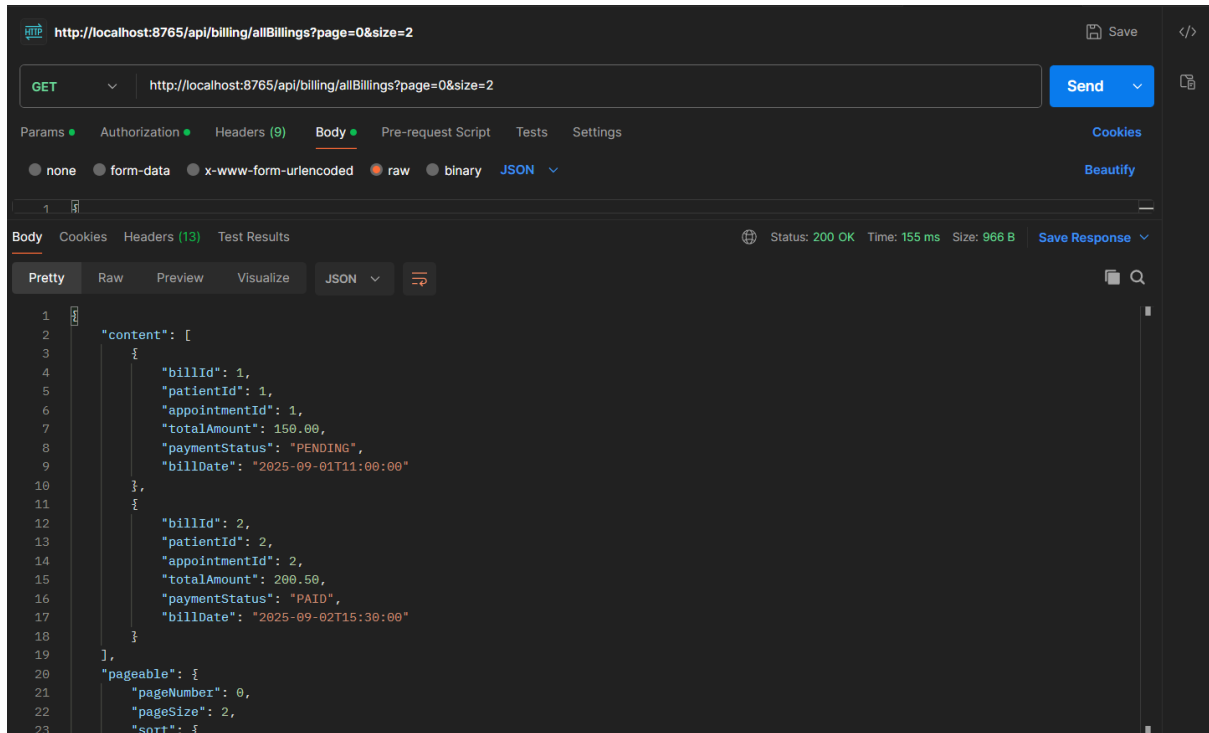
```
{  "recordId": 3,  "patientId": 2,  "description": "Migraine diagnosis and treatment",  "doctorId": 2,  "treatedAt": "2025-08-25T11:40:00",  "medicines": [    "Ibuprofen",    "Sumatriptan"  ],  "revisit": "2025-09-25"}
```

The response status is 200 OK, Time: 78 ms, Size: 592 B.

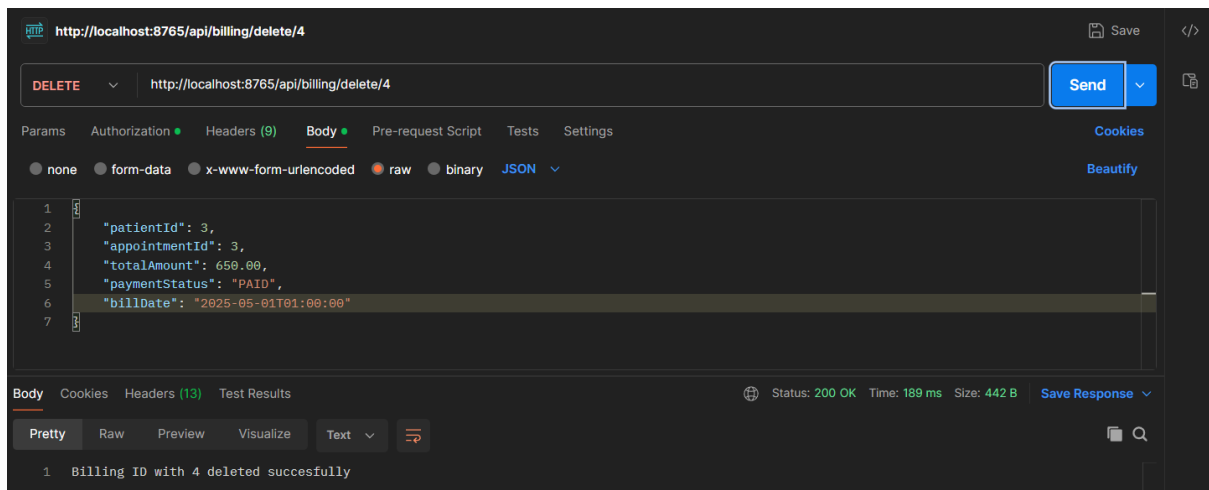
# WIPRO CAPSTONE PROJECT

## HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

NAME : KAKI SAI SRI GANESH



```
1 http://localhost:8765/api/billing/allBillings?page=0&size=2
2
3 GET http://localhost:8765/api/billing/allBillings?page=0&size=2
4
5 Params Authorization Headers (9) Body Pre-request Script Tests Settings
6
7 none form-data x-www-form-urlencoded raw binary JSON
8
9
10 Body Cookies Headers (13) Test Results
11
12 Status: 200 OK Time: 155 ms Size: 966 B Save Response
13
14 Pretty Raw Preview Visualize JSON
15
16 1 {
17 2   "content": [
18 3     {
19 4       "billId": 1,
20 5       "patientId": 1,
21 6       "appointmentId": 1,
22 7       "totalAmount": 150.00,
23 8       "paymentStatus": "PENDING",
24 9       "billDate": "2025-09-01T11:00:00"
25 10    },
26 11    {
27 12       "billId": 2,
28 13       "patientId": 2,
29 14       "appointmentId": 2,
30 15       "totalAmount": 200.50,
31 16       "paymentStatus": "PAID",
32 17       "billDate": "2025-09-02T15:30:00"
33 18    }
34 19  ],
35 20  "pageable": {
36 21    "pageNumber": 0,
37 22    "pageSize": 2,
38 23    "sort": {
```



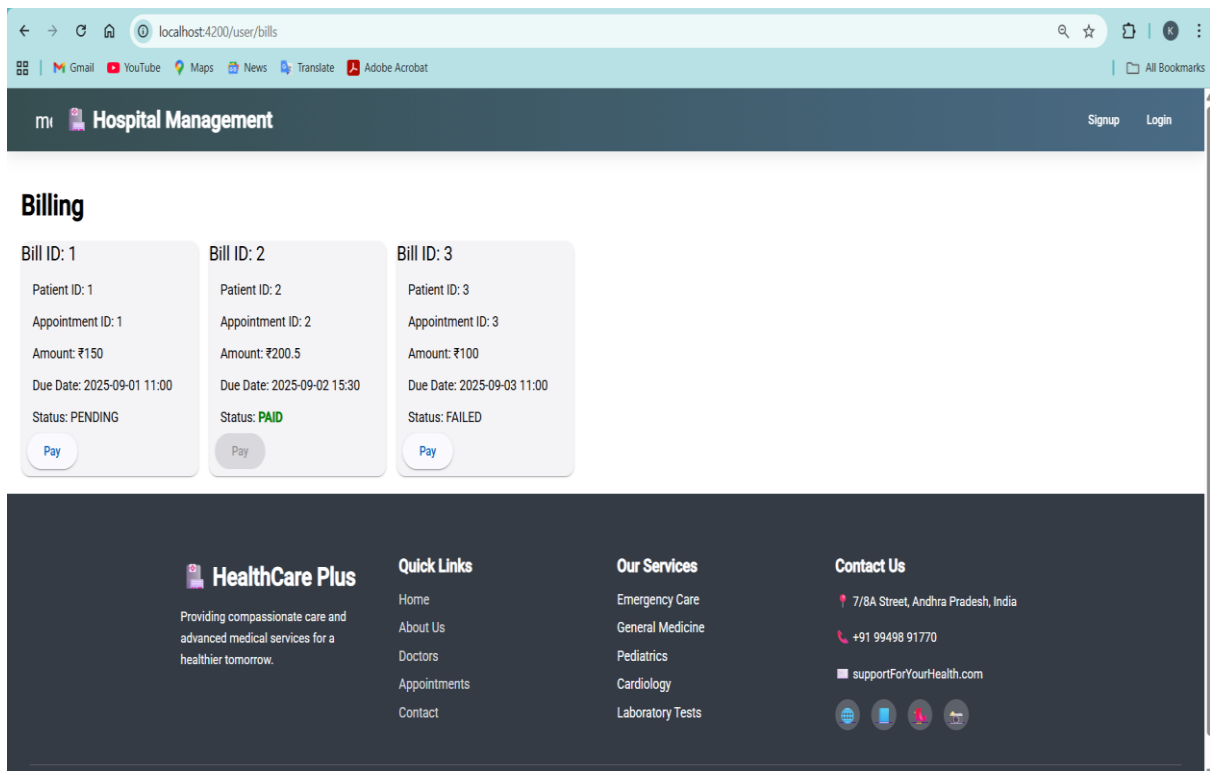
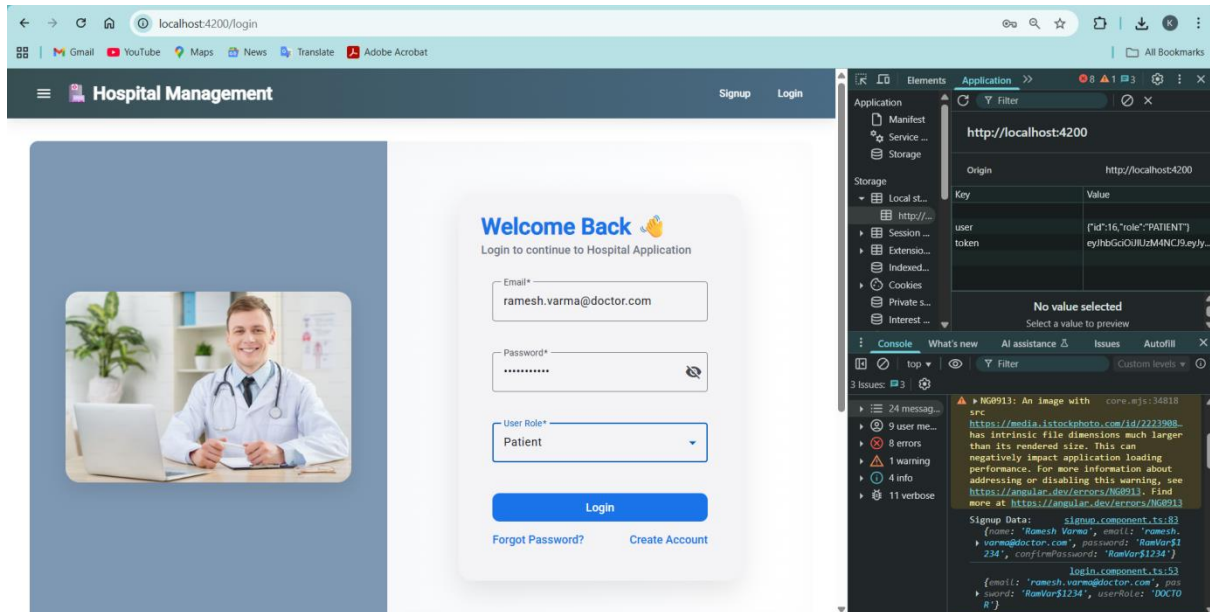
```
1 http://localhost:8765/api/billing/delete/4
2
3 DELETE http://localhost:8765/api/billing/delete/4
4
5 Params Authorization Headers (9) Body Pre-request Script Tests Settings
6
7 none form-data x-www-form-urlencoded raw binary JSON
8
9
10 Body Cookies Headers (13) Test Results
11
12 Status: 200 OK Time: 189 ms Size: 442 B Save Response
13
14 Pretty Raw Preview Visualize Text
15
16 1 Billing ID with 4 deleted successfully
```

## II. FRONTEND OF HOSPITAL MANAGEMENT SYSTEM

# WIPRO CAPSTONE PROJECT

## HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

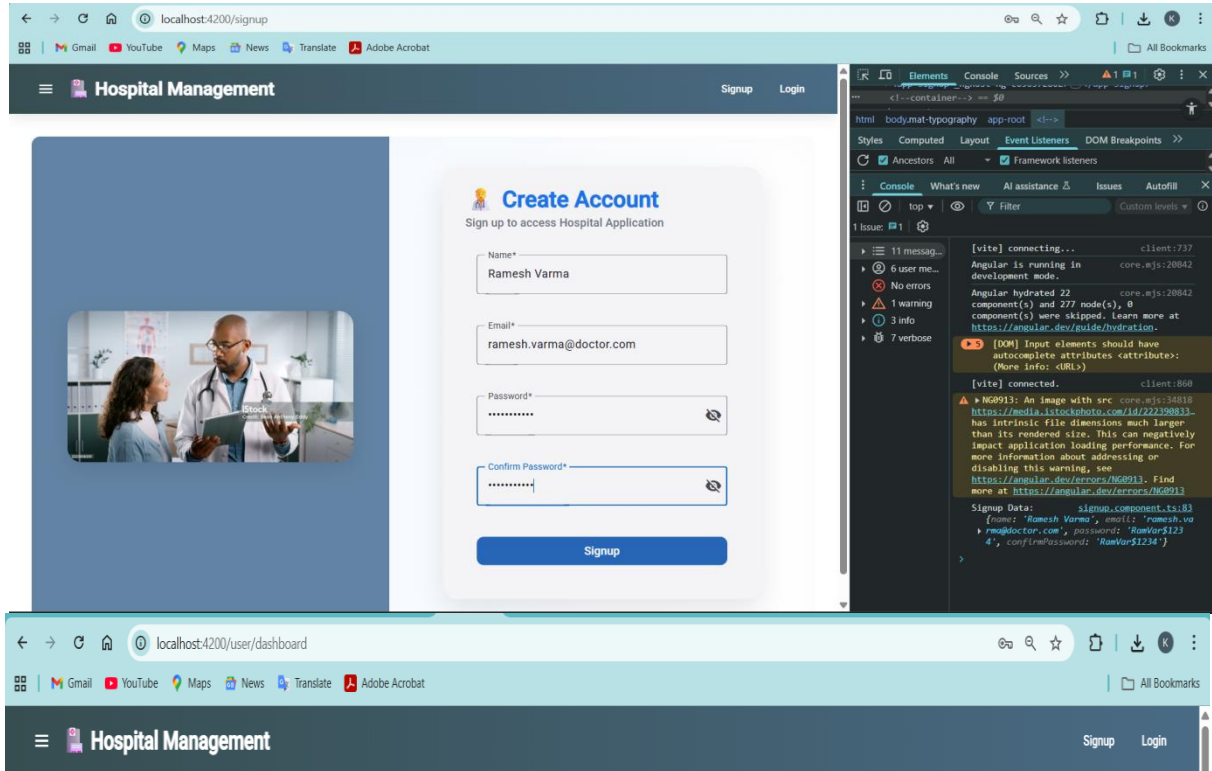
NAME : KAKI SAI SRI GANESH



# WIPRO CAPSTONE PROJECT

## HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

NAME : KAKI SAI SRI GANESH

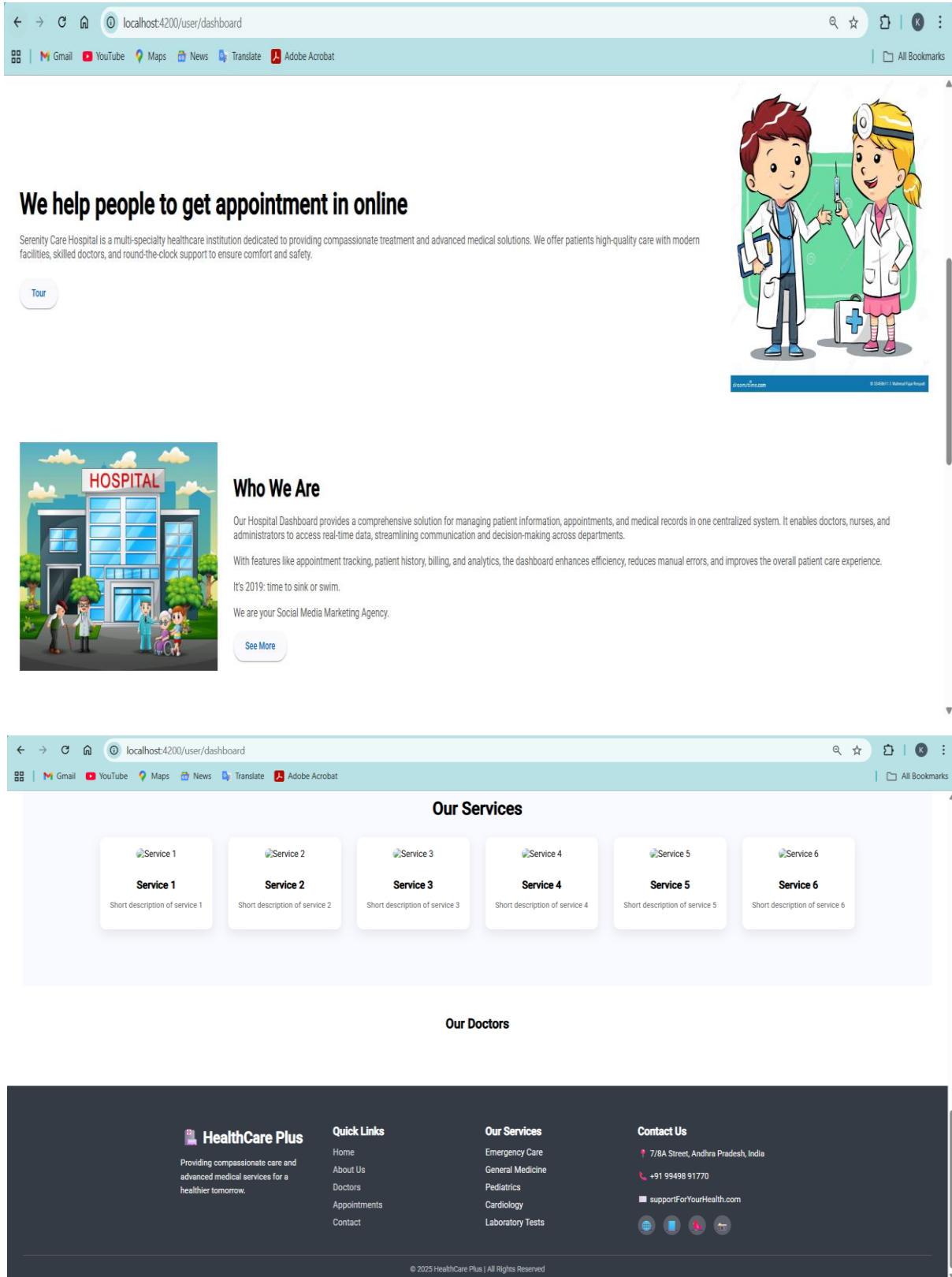




# WIPRO CAPSTONE PROJECT

## HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

NAME : KAKI SAI SRI GANESH



# WIPRO CAPSTONE PROJECT

## HOSPITAL MANAGEMENT SYSTEM (Backend & Frontend)

NAME : KAKI SAI SRI GANESH

The screenshot displays a web application interface for booking appointments. The form includes fields for Patient ID (2), Doctor ID (1), Appointment Date & Time (2025-09-04T15:30:00), Status (Completed), and Appointment Type (Consultation). A 'Send Appointment Request' button is at the bottom. A toast notification at the top center says 'Appointment Request sent successfully!'. The Chrome DevTools console shows several error messages, including a 400 Bad Request error for the POST endpoint `http://localhost:8083/api/appointments` and an 'Error saving appointment' message. The console also shows a successful message: 'Appointment saved successfully: {appointmentId: 4, patientId: 2, doctorId: 1, appointmentDate: '2025-09-04T15:30:00', status: 'COMPLETED', ...}'.

localhost:4200/user/appointment

Hospital Management

Book Appointment

Patient ID\*

2

Doctor ID\*

1

Appointment Date & Time\*

2025-09-04T15:30:00

Status\*

Completed

Appointment Type\*

Consultation

Send Appointment Request

HealthCare Plus

Providing compassionate care and advanced medical services for a healthier tomorrow.

localhost:4200 says

Appointment Request sent successfully!

OK

Console

10 messages

7 user messages

3 errors

No warnings

3 info

4 verbose

POST http://localhost:8083/api/appointments 400 (Bad Request)

Error saving appointment:

Appointment saved successfully: