**HOSPITAL MANAGEMENT SYSTEM**

Presented By,

Group-03

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**1.0 Introduction**

**1.1 Purpose of this document**

Create a dynamic and responsive Java Hospital Management Web application for managing inventory and laboratory management as well as patient registration.

**1.2 Project overview**

Below are the objectives that shall be fulfilled post the execution of this project.

* Admin Signup
* Doctor Login
* Patient Account
* Invoice
* Appointment

**2.0 Solution Summary**

**2.1 Scope**

**ADMIN**

* Admin Login.
* Admin can register/view/approve/reject/delete Doctor
* Admin can admit/view/approve/reject Patient
* Admin can Generate/Download invoice pdf
* Admin can view/book/approve Appointment

**DOCTOR**

* Can Apply for job in hospital. Then login
* Can only view their patient details assigned to that doctor by admin.
* Can view their discharged patient list.
* Can view their Appointments booked by admin.
* Can delete their Appointment when doctor attended their Appointment

**PATIENT**

* Create Account for admit in Hospital. Then Login
* Can view assigned doctor’s details like (Specialization, mobile, address)
* Can view their booked appointment status (pending/confirmed by admin)
* Can book appointments
* Can view/download invoice pdf

**Invoice**

* Admin and Patient can save the invoice.
* Admin can update invoice.
* Admin can delete invoice.
* Admin can see all invoices.
* Admin can get all invoice by id.

**Appointment**

* Admin and patient can view all the appointments.
* Admin can update /delete the appointments.
* Admin can get the appointments status.

**2.2 Dependencies**

* Availability of database design characteristics and access shall be defined.
* Resource availability throughout each of the sprint.

**2.3 Risks**

None

**3.0 Applications**

* HMS can be useful for large, medium hospital and nursing homes.
* Can give facility different type of enquires.
* Management can maintain data regarding patient, doctors easily and it can be updated easily.
* User friendly.
* Immediate data access

**4.0 Schematic Diagram**

Admin login

view/delete

login

Doctor

Patient

Approval by

admin

view

Admin can view/update appointment

Appointment

view view

**5.0 Database Design:**

Patient Signup

* P\_id(pk)
* P\_name
* P\_age
* P\_email
* P\_password
* P\_location
* aid(fk)
* id(fk)

Doctor signup

* id(pk)
* Username
* Password
* Specialization
* status

Admin signup

Authentication

Username

Password

Authentication

Username

Password

Authentication

Username

Password

* aid(pk)
* aname
* aemail
* apassword

Appointments

* aid(pk)
* address
* doctor\_name
* doctor\_specialization
* ap\_date
* ap\_status
* disease

invoice

* id(pk)
* Room cost
* Doctor charges
* Medicine cost
* Total amount

h

**6.0 Table Structures:**

**Admin Signup:**

|  |  |  |
| --- | --- | --- |
| **Column name** | **Data type** | **Length** |
| aid | int | 5 |
| aname | varchar | 255 |
| aemail | varchar | 255 |
| password | varchar | 255 |

**Patient Signup:**

|  |  |  |
| --- | --- | --- |
| **Column name** | **Data type** | **Length** |
| P\_id | int | 5 |
| P\_name | varchar | 255 |
| P\_age | varchar | 255 |
| P\_email | varchar | 255 |
| P\_password | varchar | 255 |
| P\_location | varchar | 255 |
| aid | int | 5 |
| id | int | 5 |

**Doctor Signup:**

|  |  |  |
| --- | --- | --- |
| **Column name** | **Data type** | **Length** |
| id | int | 5 |
| username | varchar | 255 |
| password | varchar | 255 |
| status | varchar | 255 |
| specialization | varchar | 255 |

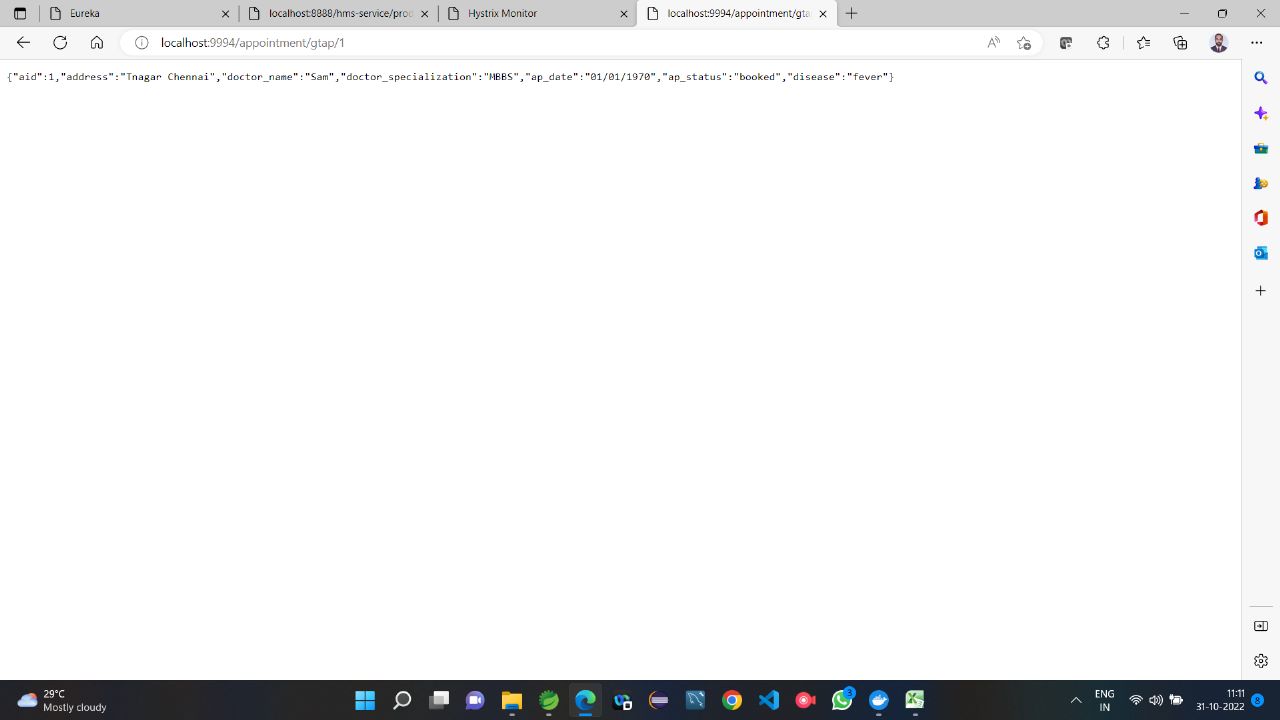
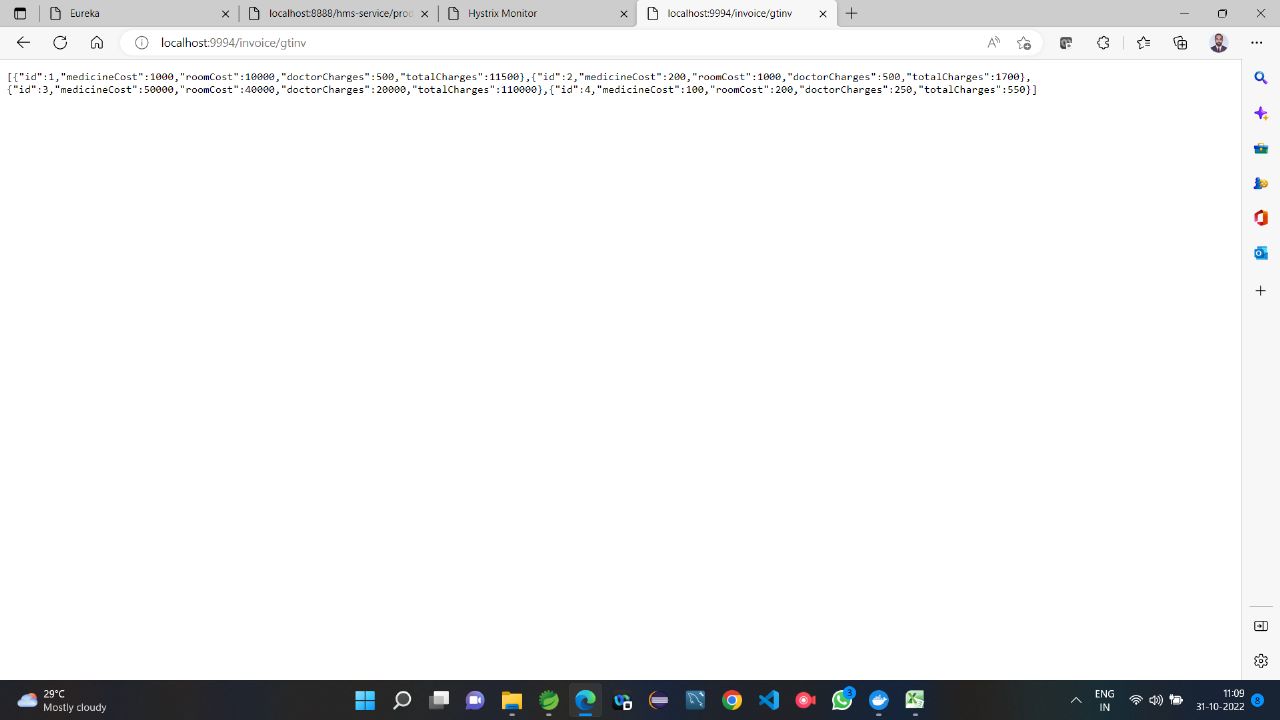
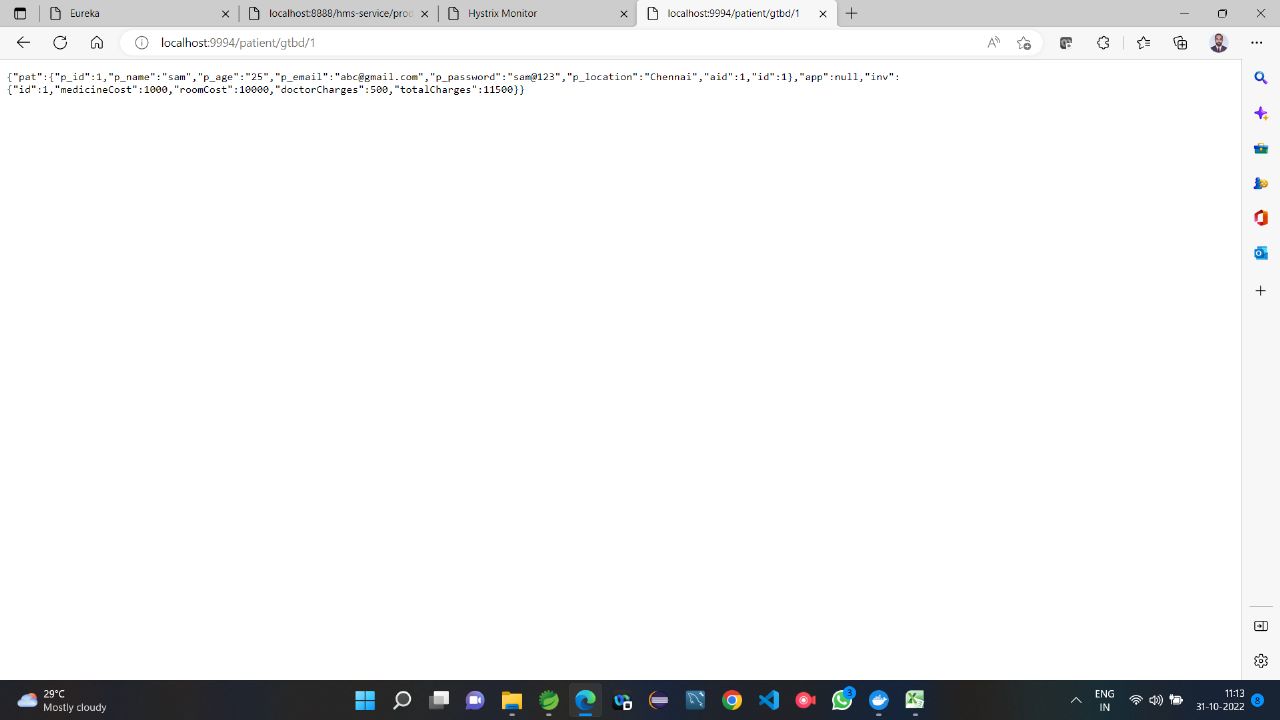
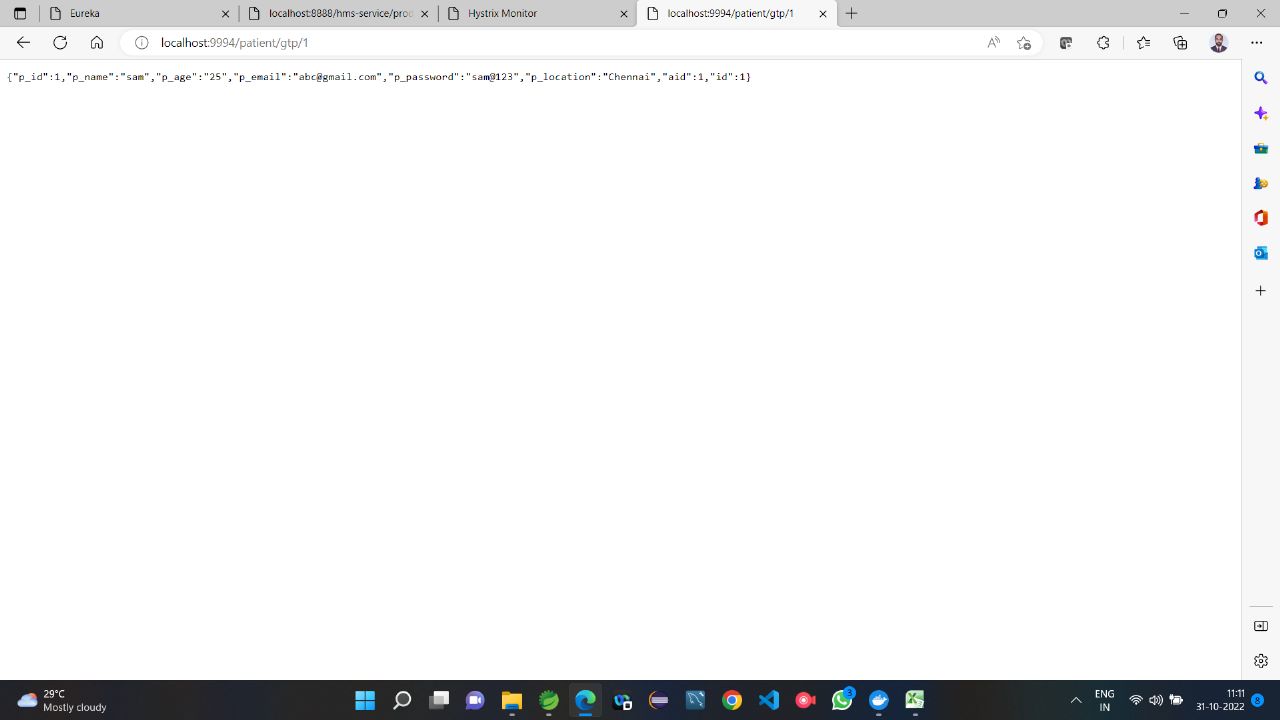
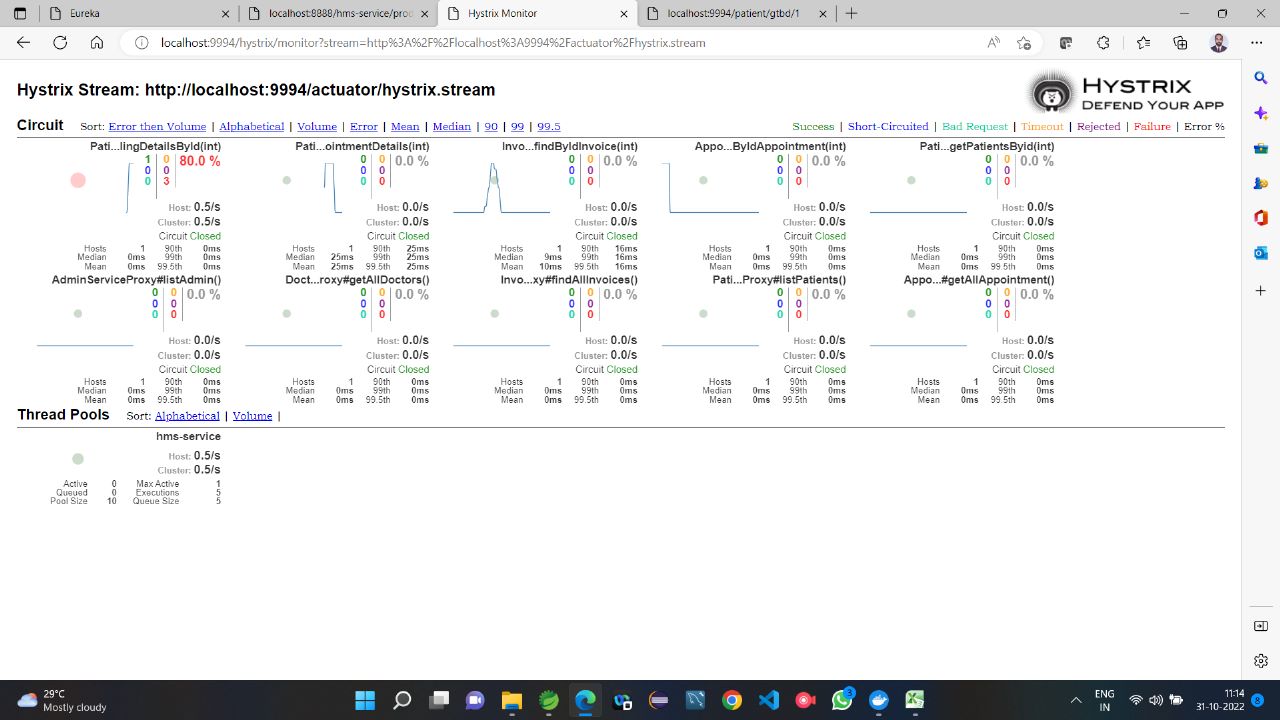
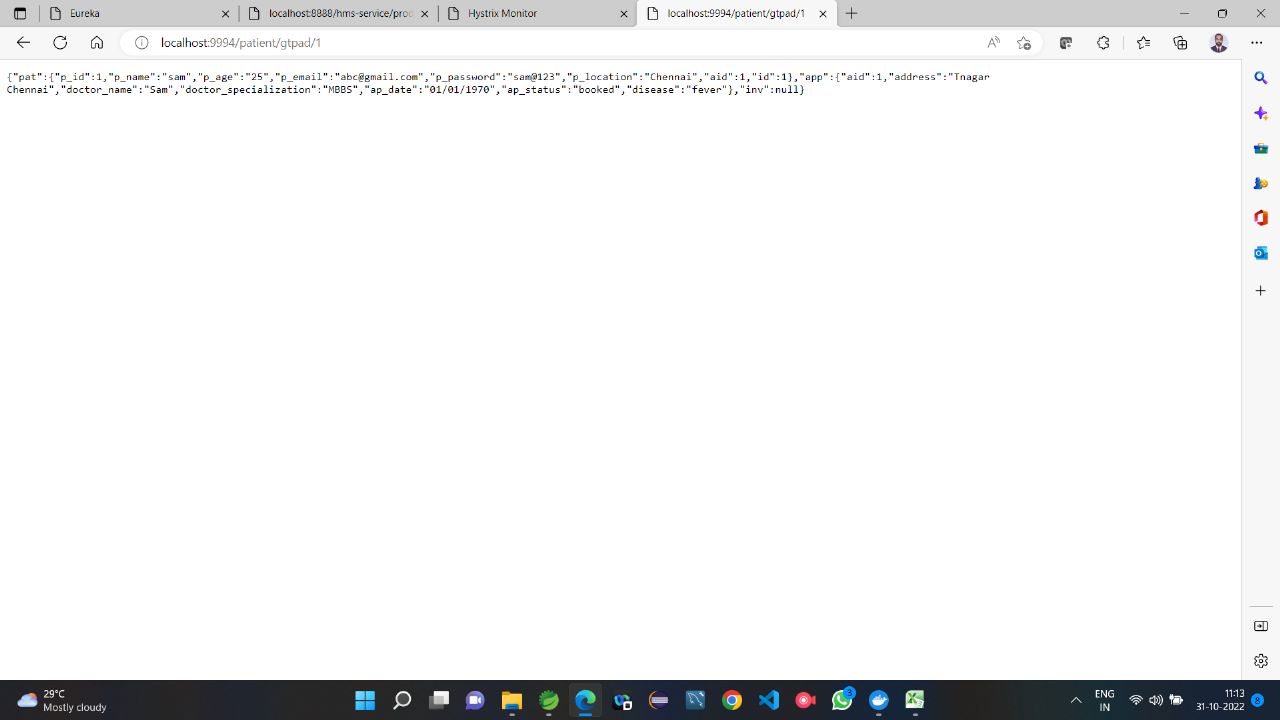
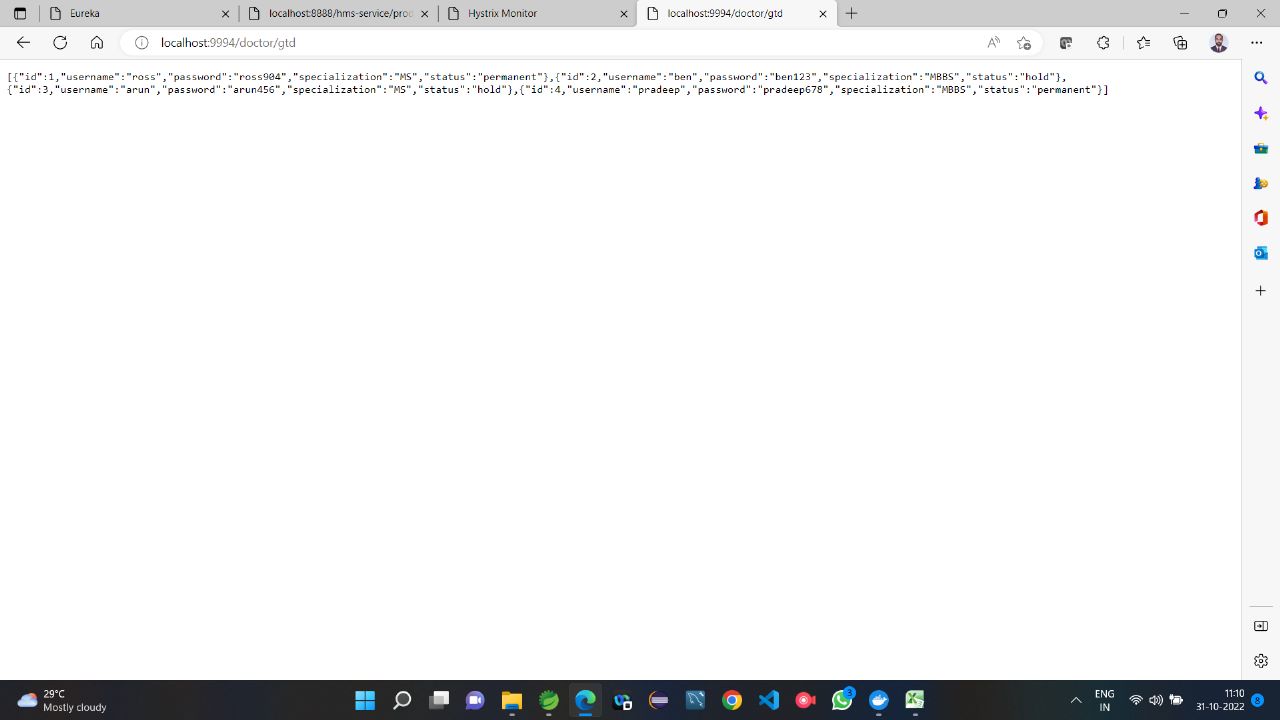
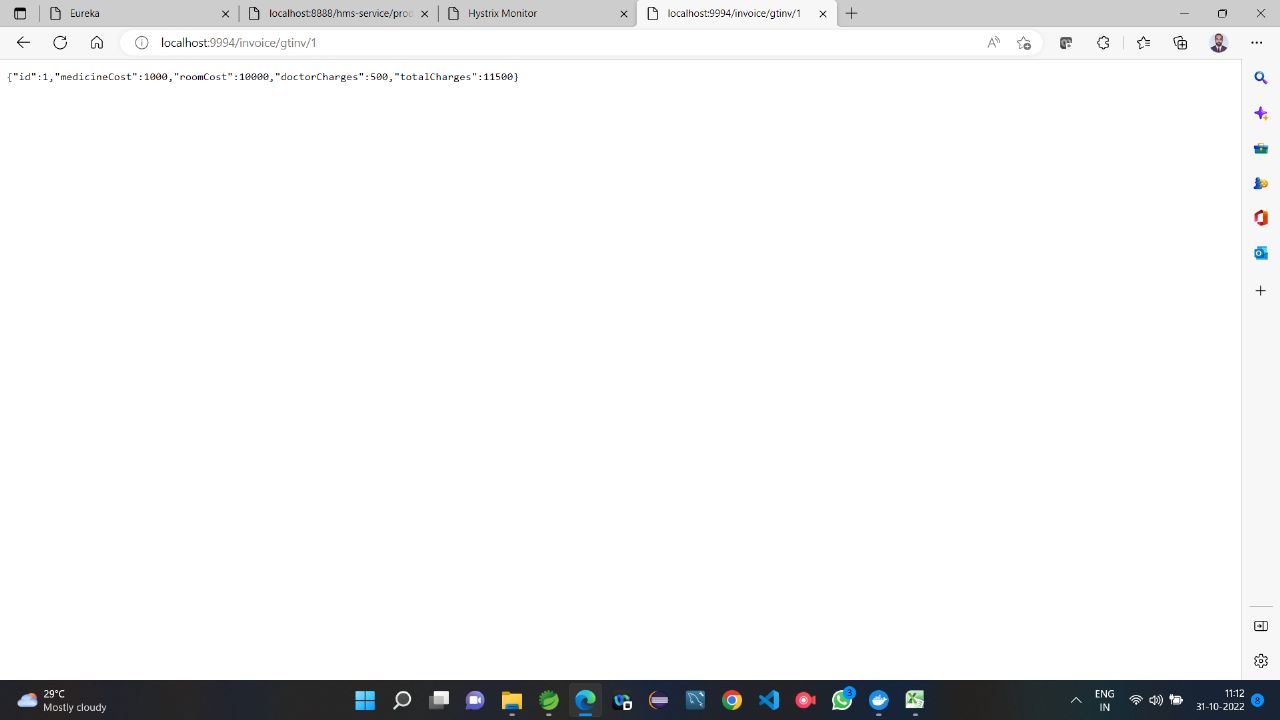
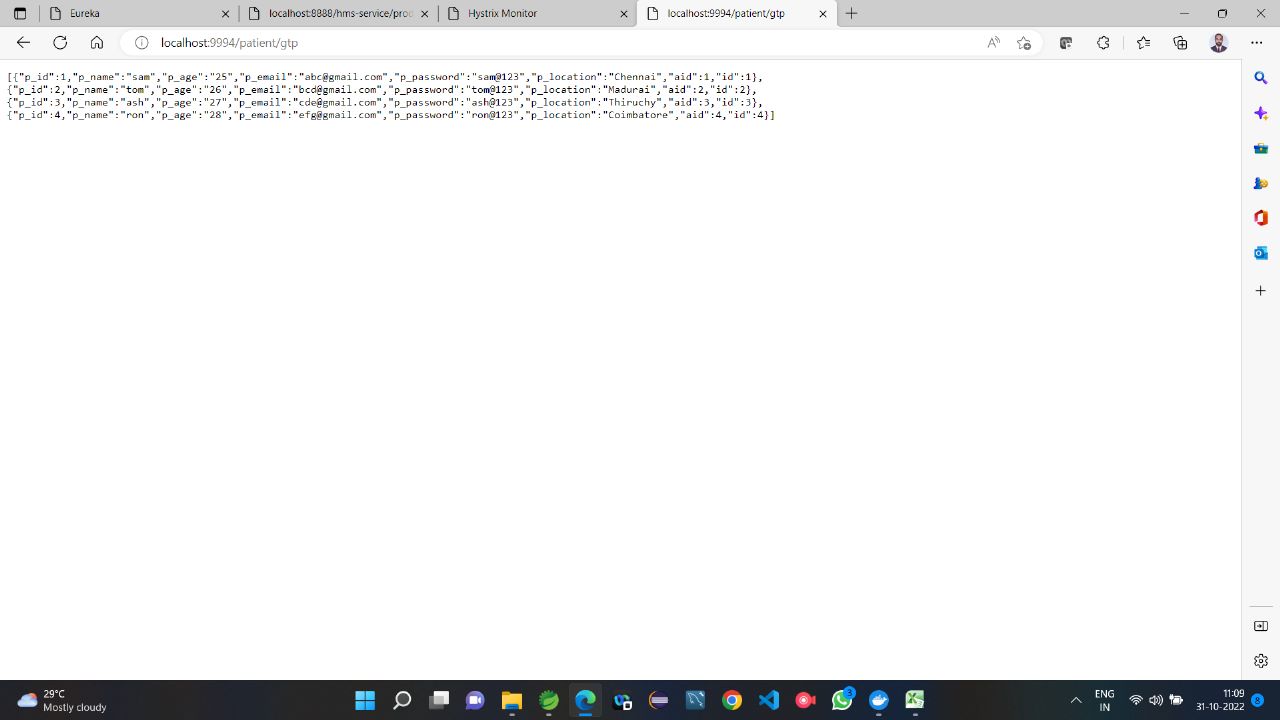
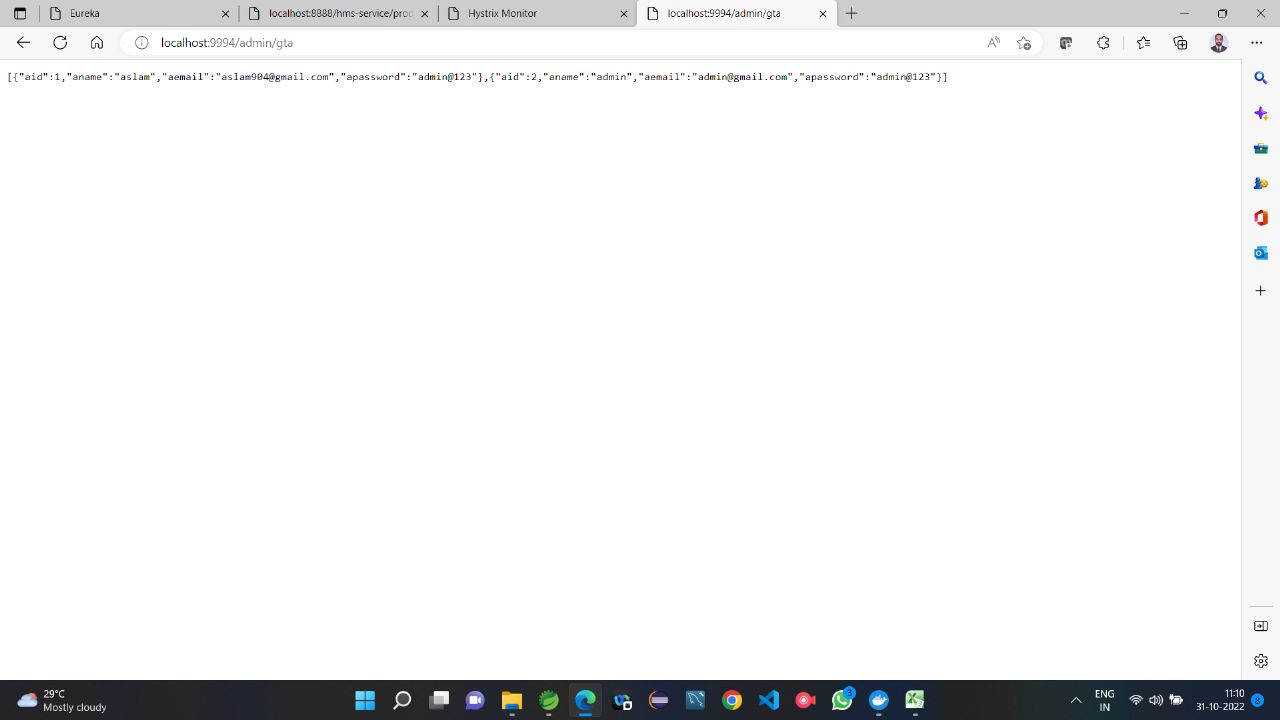
**Appointments table:**

|  |  |  |
| --- | --- | --- |
| **Column name** | **Data type** | **Length** |
| aid | int | 5 |
| address | varchar | 255 |
| doctor\_name | varchar | 255 |
| doctor\_specialization | varchar | 255 |
| ap\_date | varchar | 255 |
| ap\_status | varchar | 255 |
| disease | varchar | 255 |

**Invoice:**

|  |  |  |
| --- | --- | --- |
| **Column name** | **Data type** | **Length** |
| id | int | 5 |
| doctor charges | int | 5 |
| medicine cost | int | 5 |
| room charges | int | 5 |
| Total amount | int | 5 |

**Output**

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