“ONLINE HOSPITAL MANAGEMENT SYSTEM”

Presented by

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Introduction:

- Hospital Management System is an organized computerized system designed and programmed to deal with day-to-day operations and management of the hospital activities. The program can look after patients' records, database treatments, status illness, billings. It also maintains hospital information such as staff, doctors in charge and department administering. The major problem for the patient nowadays is that they have to wait in a long queue and fill up their details and then move to the doctor to have consultation . By using OHMS patients can register themselves easily through their mobile phones and they can be directly assigned the doctor and the doctor can view the patients medical history just by logging in into the patients database.
- After the treatment is over the patient visits receptionist in the hospital and the billing is done according to the tests, doctor's fees, prescribed medicines, hospital charges and taxes and a receipt will be printed.

Technologies used:

- **React:**

React is a declarative, efficient, and flexible JavaScript library for building user interfaces. It lets you compose complex UI’s from small and isolated pieces of code called “components”. React is a JavaScript library for building user interfaces. React is used to build single page applications. React allows us to create reusable UI components. All the front end was completed with the help of React.

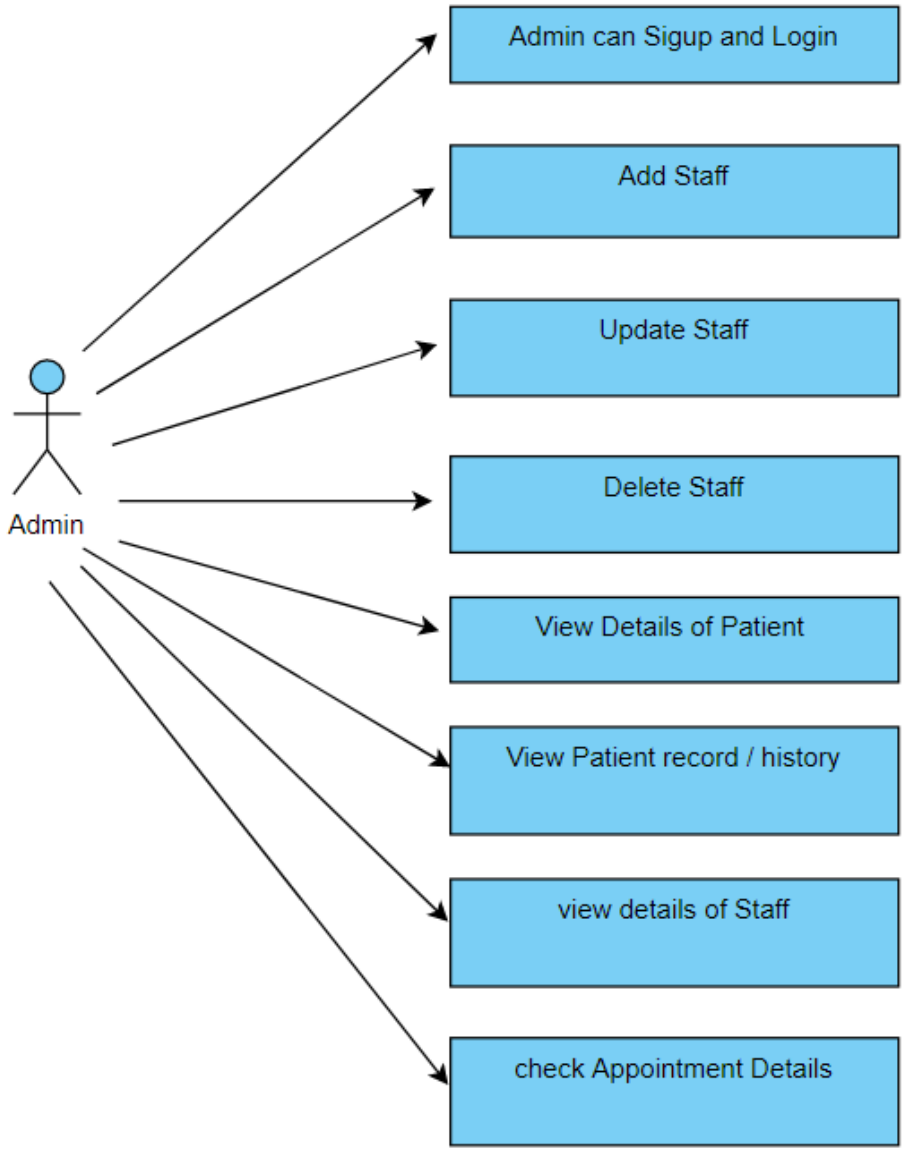
- **MySQL :**

MySQL is a relational database management system based on the Structured Query Language, which is the popular language for accessing and managing the records in the database. MySQL is open-source and free software under the GNU license. All the User's data which is part of Hospital management system is managed with the help of MY-SQL.

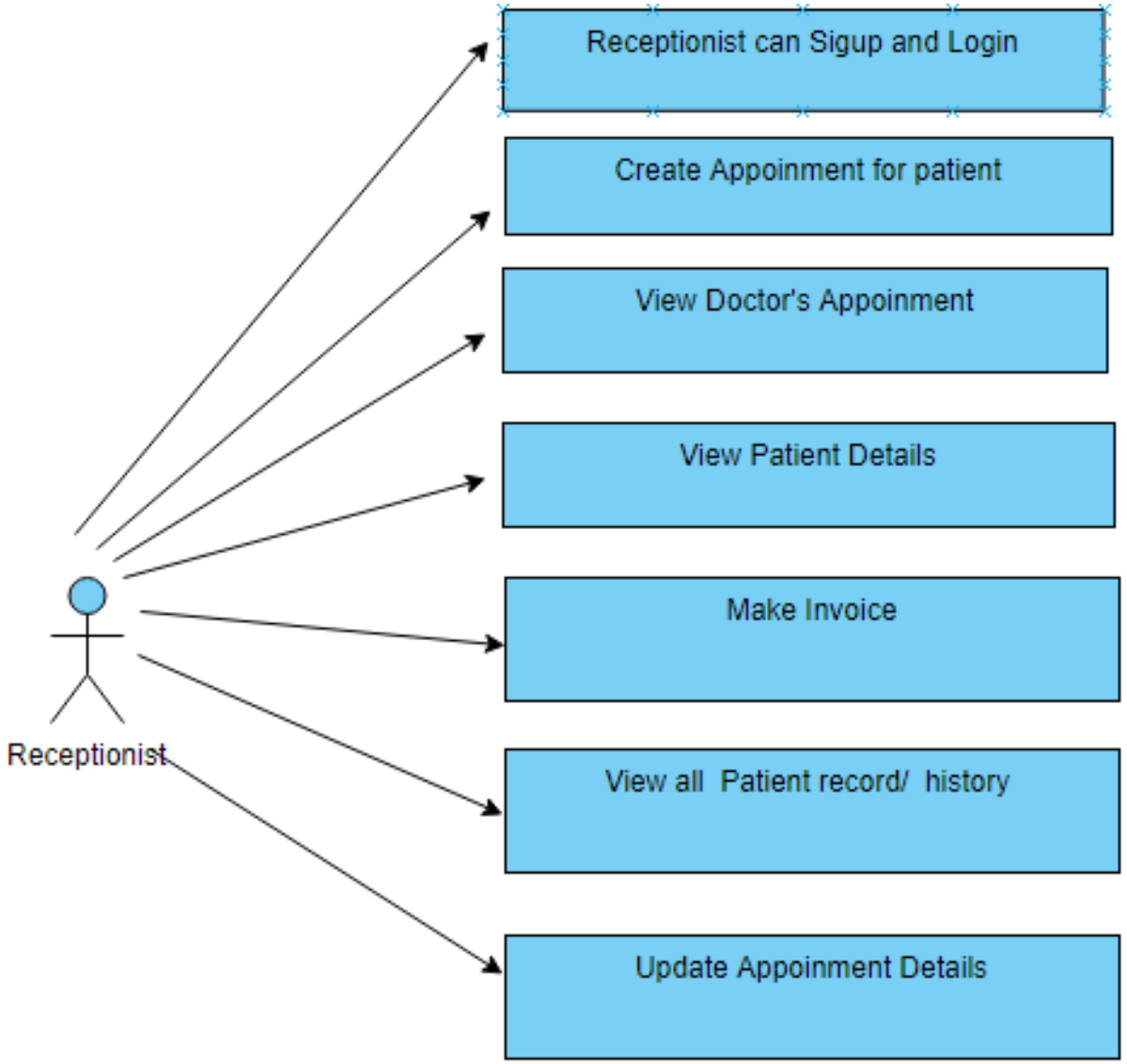
- **Spring Boot:**

Spring Boot is an open source Java-based framework used to create a micro Service. It is developed by Pivotal Team and is used to build stand-alone and production ready spring applications.

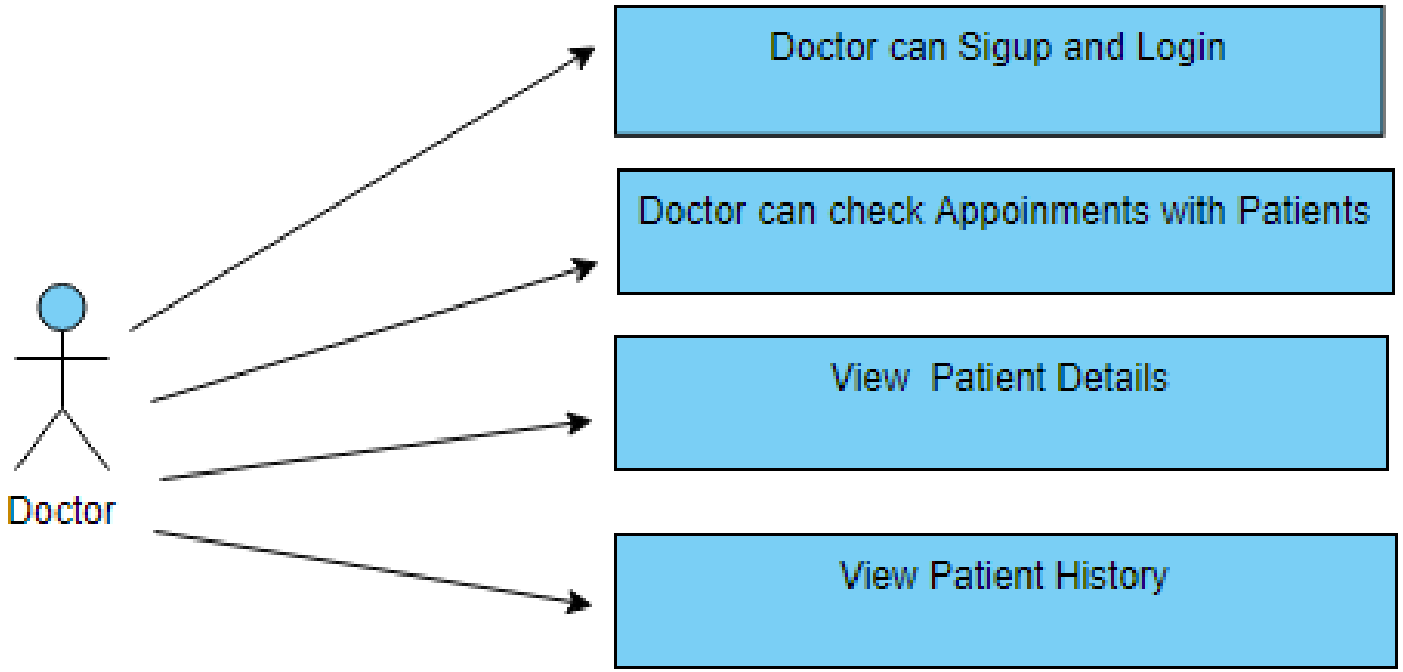
Use Case for Administrator



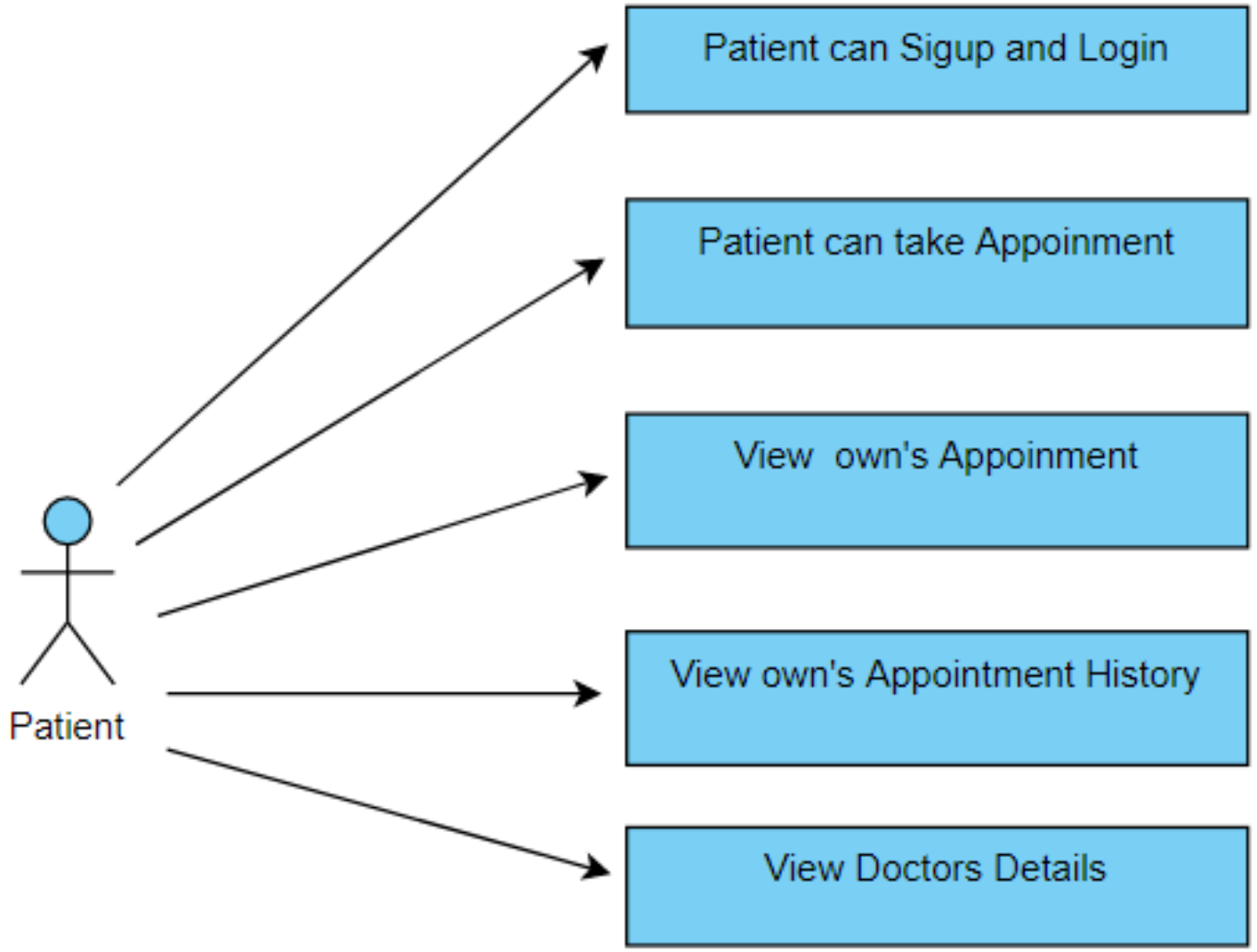
Use Case for Receptionist



Use Case for Doctor



Use Case for Patient



Modules:

The system comprises of 2 major modules with their sub-modules as follows:

- **1. New Staff Registration**
- **2. New Patient Registration**

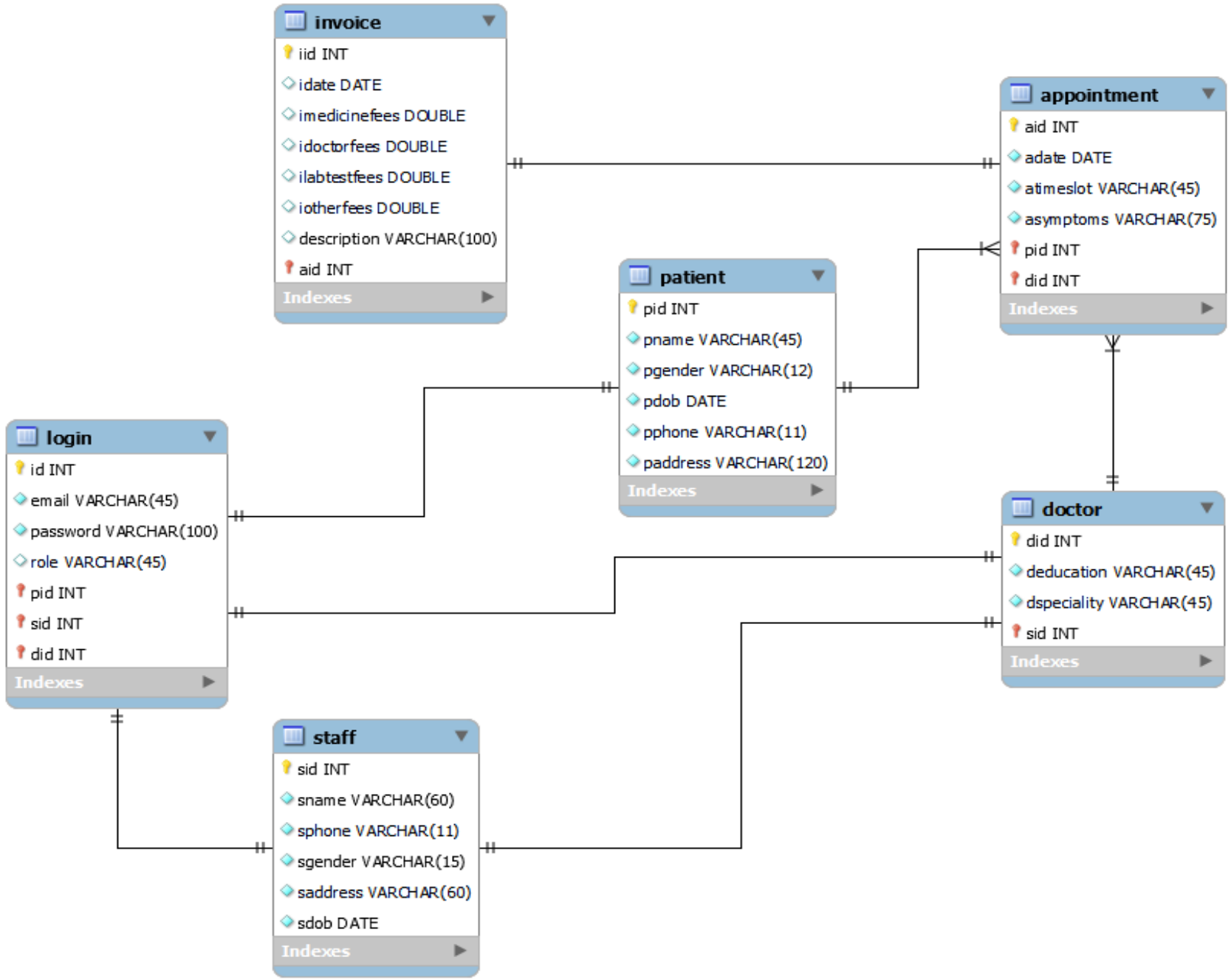
1. New Staff Registration

- a. **Staff Login:** User email of the User logging in. here we have provided 3 login UI for admin, doctor and staff.
- b. **Password:** The Login Credentials entered by the user to log in.
- c. **Home page:** every staff member from (Admin, Doctor, Staff) can visit his/her home page after login.
- d. **Admin login:** After login go to admin home page and can view particular Admin details and functions provided for admin such as he can view/update/delete staff and doctor he also can view patient details.
- e. **Doctor login:** After login go to doctor home page and can view particular Doctor details and functions provided for doctor such as he can view own appointments and regarding patient details.
- f. **Staff login:** After login go to staff home page and can view particular staff details and functions provided for staff such as he can view/update/delete patients appointments and also can view doctor appointment details. Receptionist can add patient and book appointment for patients by selecting doctor. After check-up creating invoice done by receptionist via doctor.

2. New Patient Registration

- a. **Registration:** Patient can register his detail.
- b. **Login:** Patient Login his account.
- c. **Home page:** Patient can visit his home page after login.
- d. **Patient Detail:** Can view Patient details by selecting a Patient and view its details such as name, disease, doctor allotted, bill etc…
- e. **View/Edit/Delete:** Can view/update/delete the added Patient from the database.
- f. **Book Appointment:** Patient can book his/her appointment by selecting a doctor.
- g. **View Appointment History:** Can track the Past Appointments by the doctor.
- h. **Change Password:** User can change his current password and make new password

E-R Diagram :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imedicinefees DOUBLE
idoctorfees DOUBLE
ilabtestfees DOUBLE
iotherfees DOUBLE
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atimeslot VARCHAR(45)
asymptoms VARCHAR(75)
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pgender VARCHAR(12)
pdob DATE
pphone VARCHAR(11)
paddress VARCHAR(120)
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password VARCHAR(100)
role VARCHAR(45)
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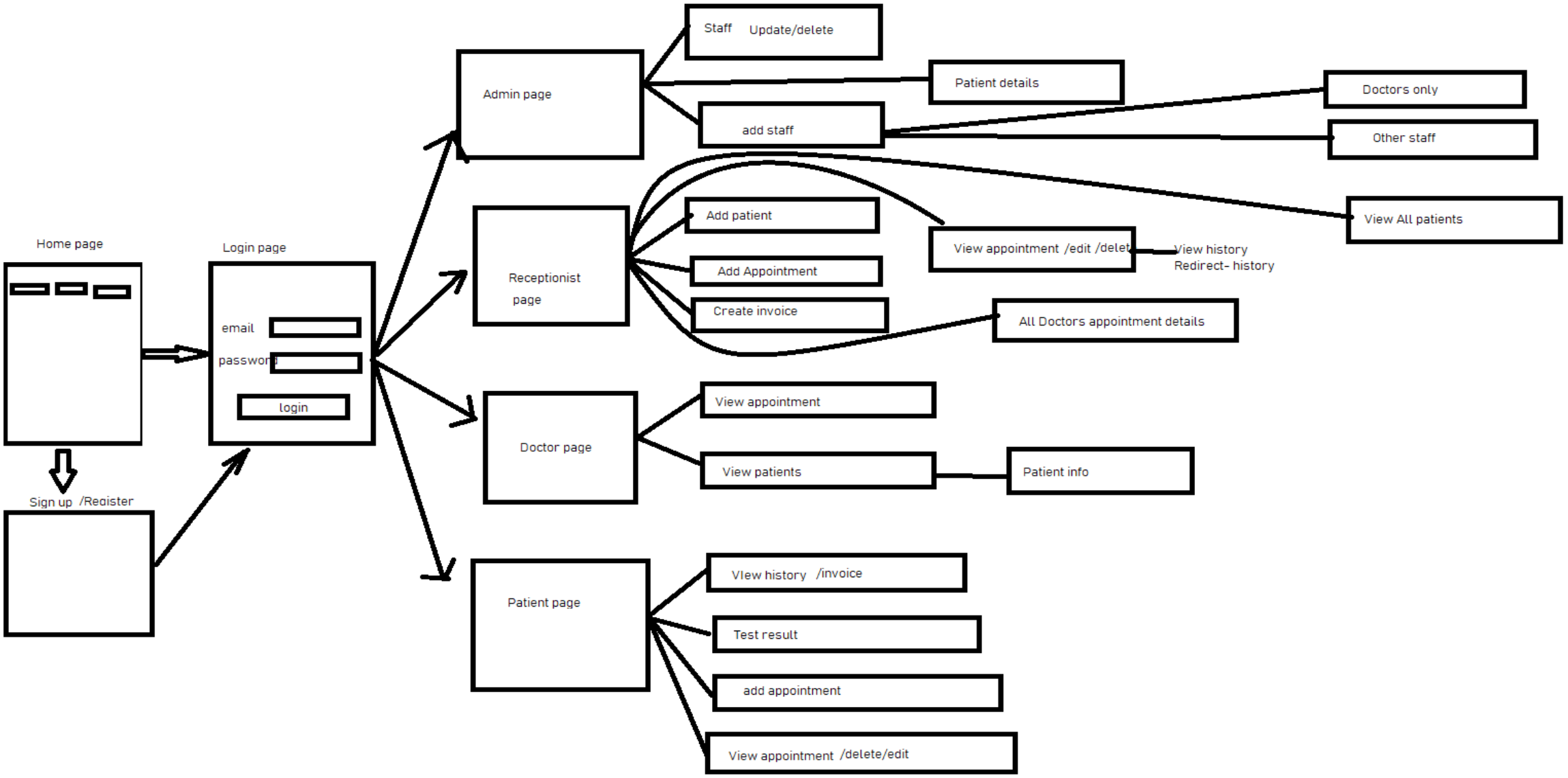
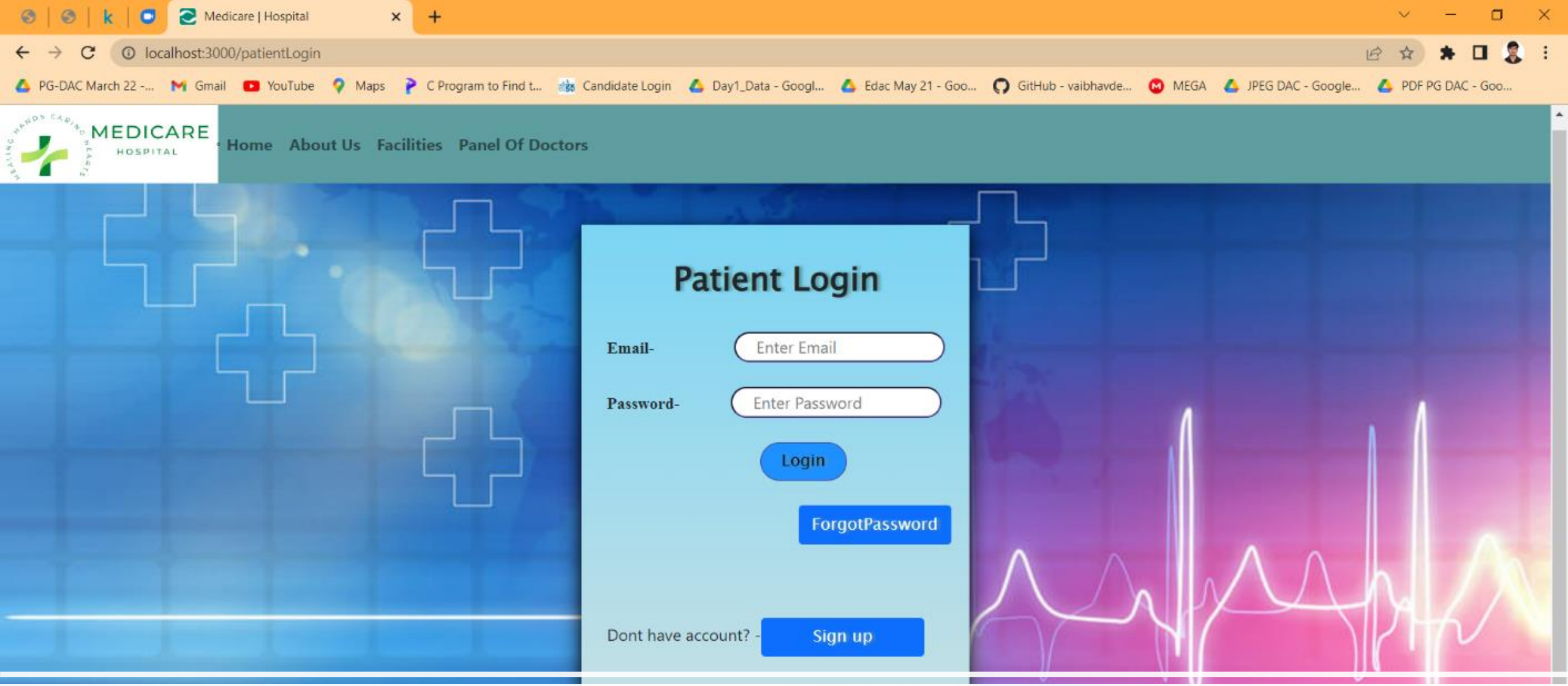
Flow Diagram :




Patient Login
Staff Login
Healing Hands. Caring Hearts.
Previous
Next

- Homepage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MEDICARE
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About Us
Facilities
Panel Of Doctors
Patient Login
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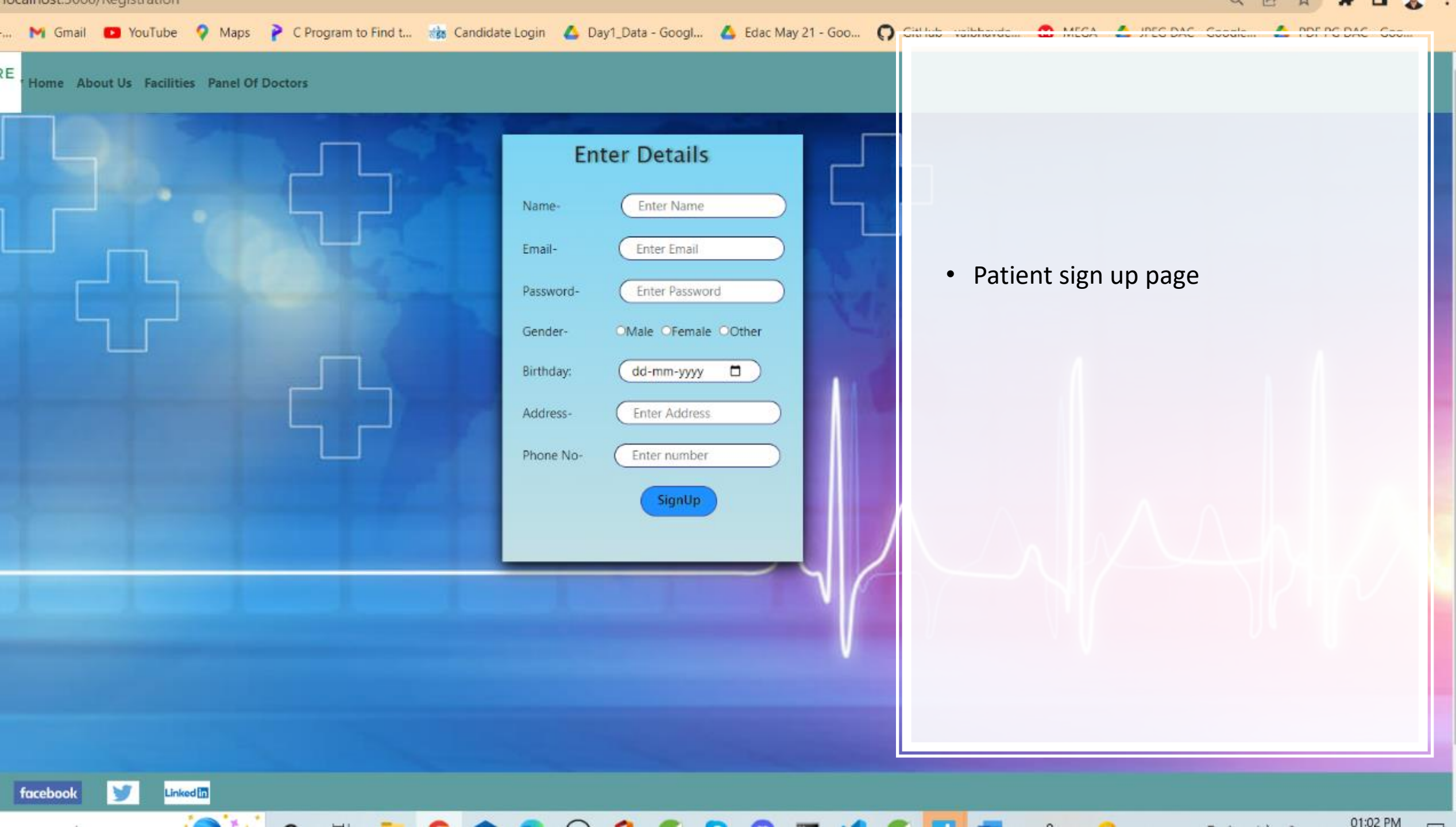
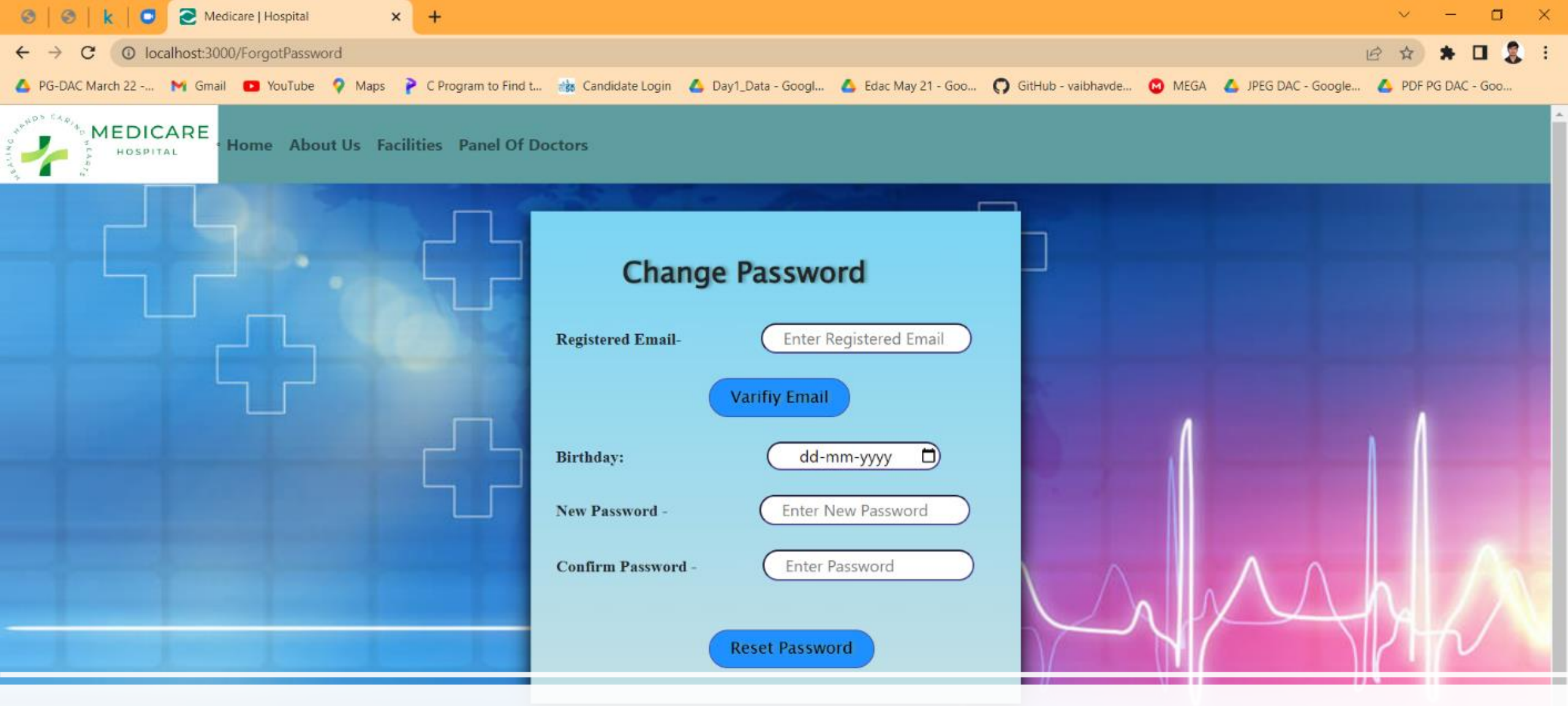
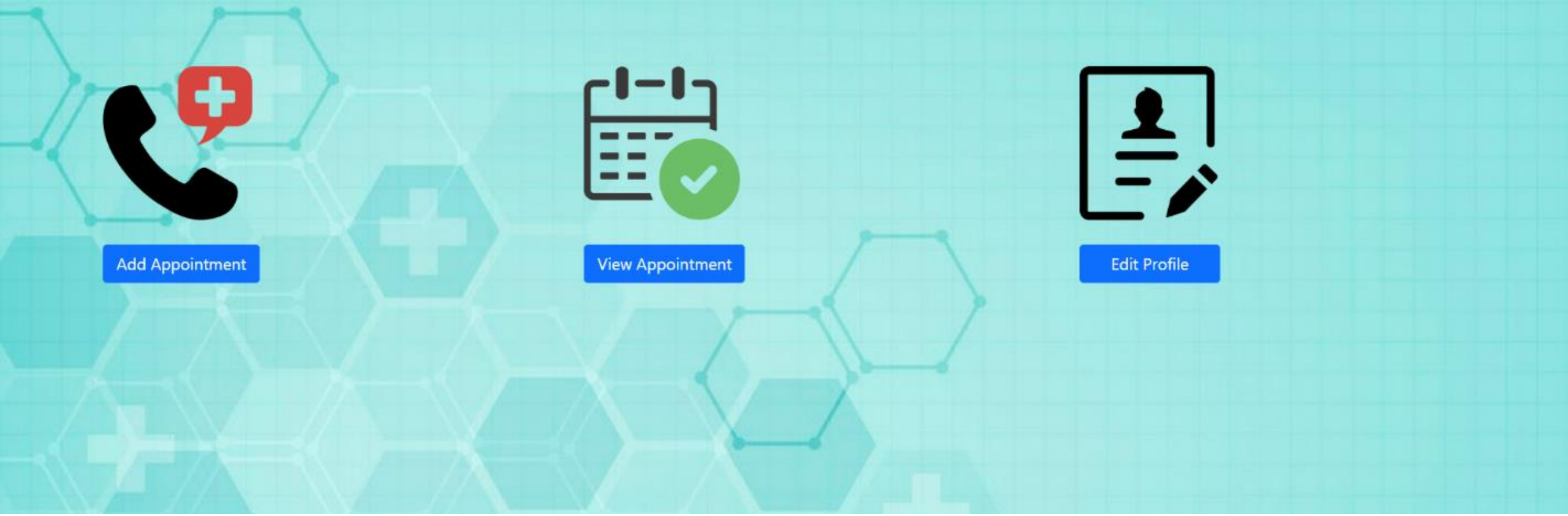
Login Page



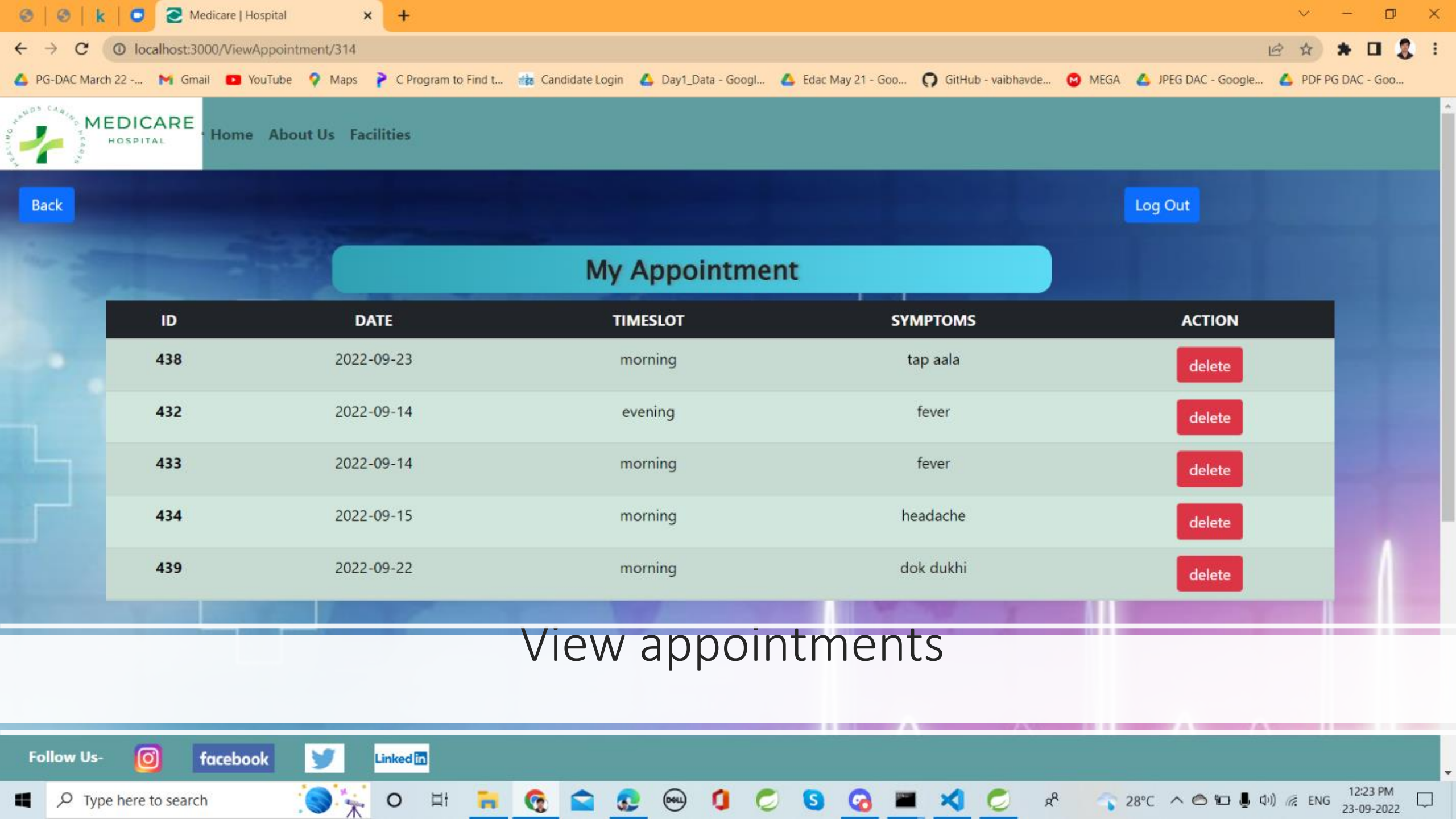
- Patient sign up page



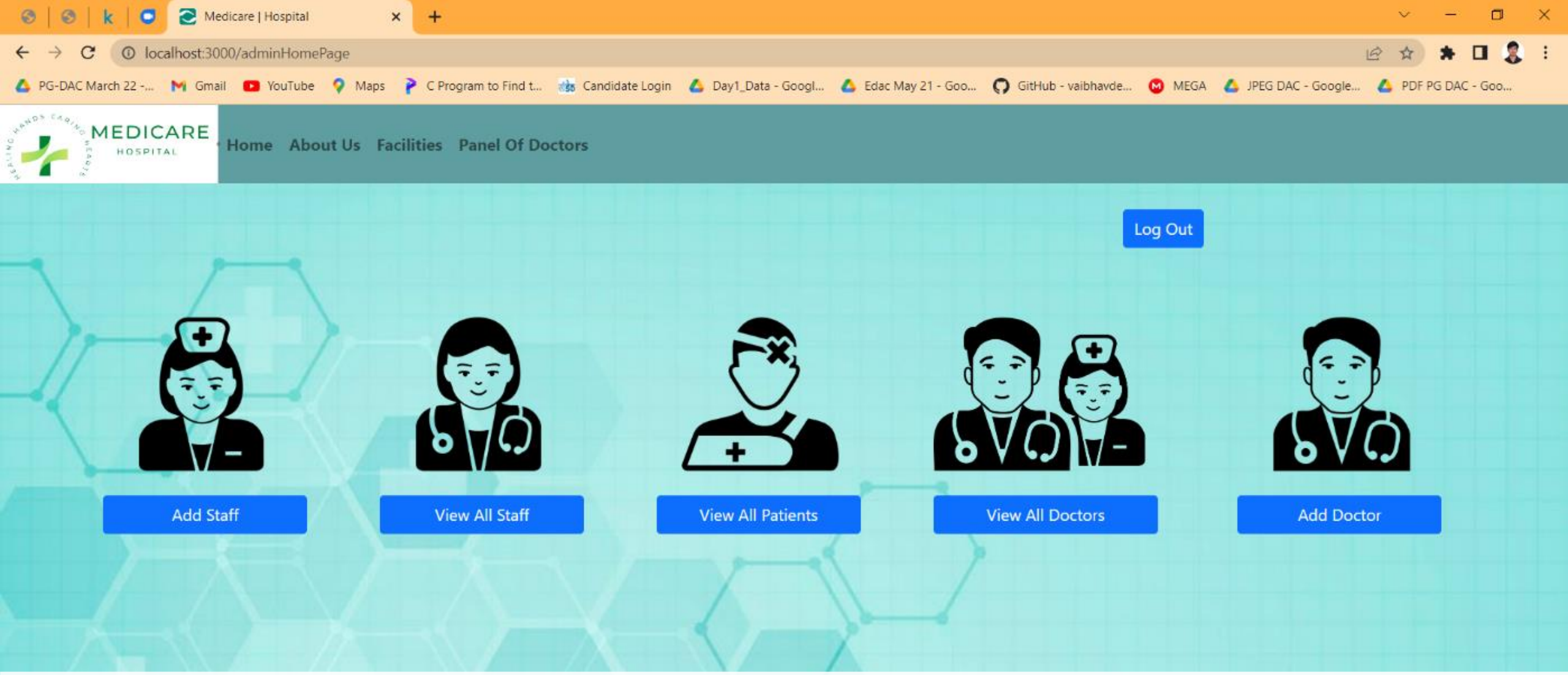
Reset password



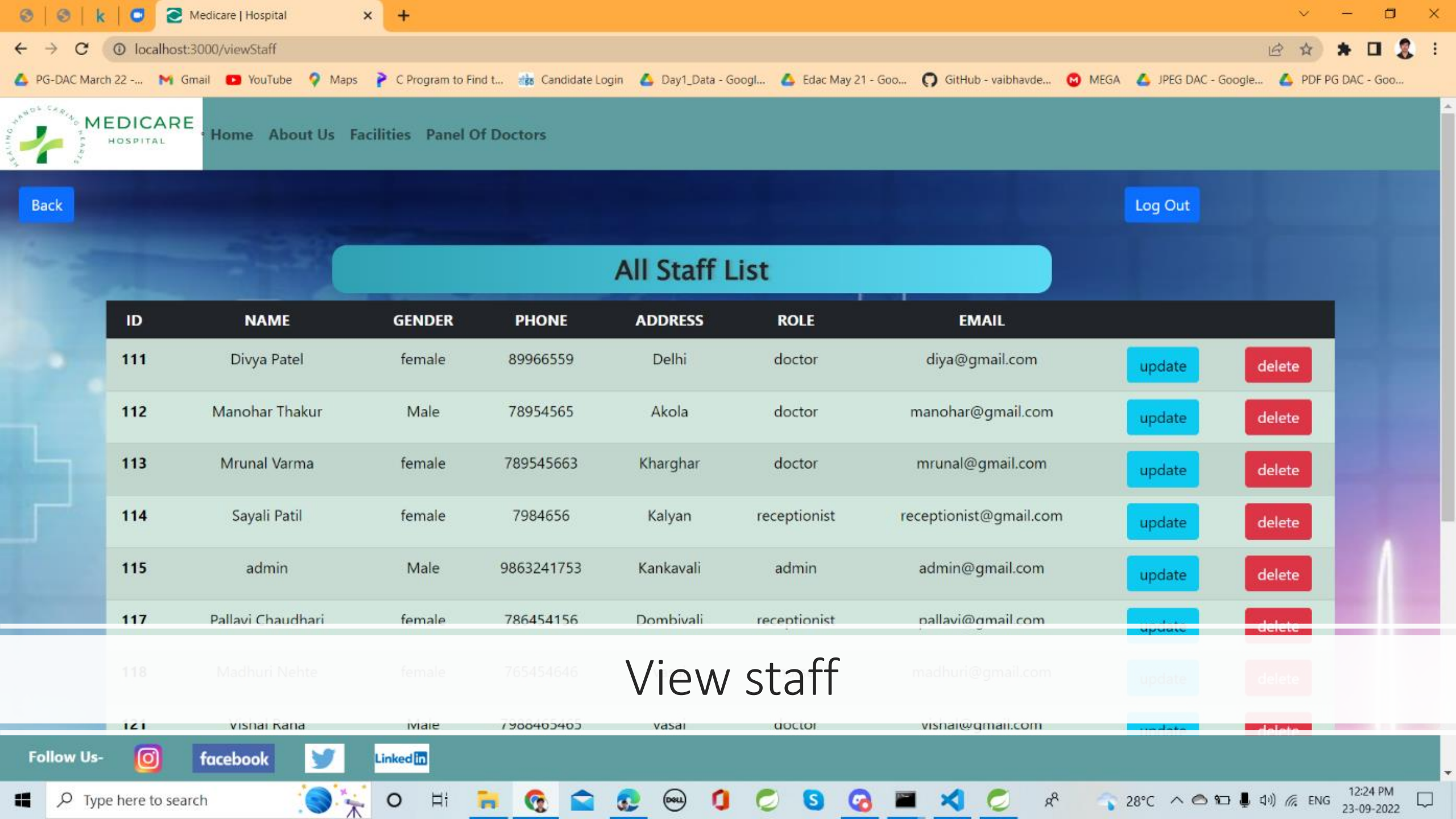
- Patient homepage



View appointments



Admin homepage


Medicare | Hospital
localhost:3000/viewStaff
MEDICARE HOSPITAL
Home
About Us
Facilities
Panel Of Doctors
Back
Log Out
All Staff List
ID NAME GENDER PHONE ADDRESS ROLE EMAIL
111 Divya Patel female 89966559 Delhi doctor diya@gmail.com update delete
112 Manohar Thakur Male 78954565 Akola doctor manohar@gmail.com update delete
113 Mrunal Varma female 789545663 Kharghar doctor mrunal@gmail.com update delete
114 Sayali Patil female 7984656 Kalyan receptionist receptionist@gmail.com update delete
115 admin Male 9863241753 Kankavali admin admin@gmail.com update delete
117 Pallavi Chaudhari female 786454156 Dombivali receptionist pallavi@gmail.com
118 Madhuri Nehte female 765454646 madhuri@gmail.com
121 Vishal Rana Male 7988465465 Vasai doctor vishal@gmail.com
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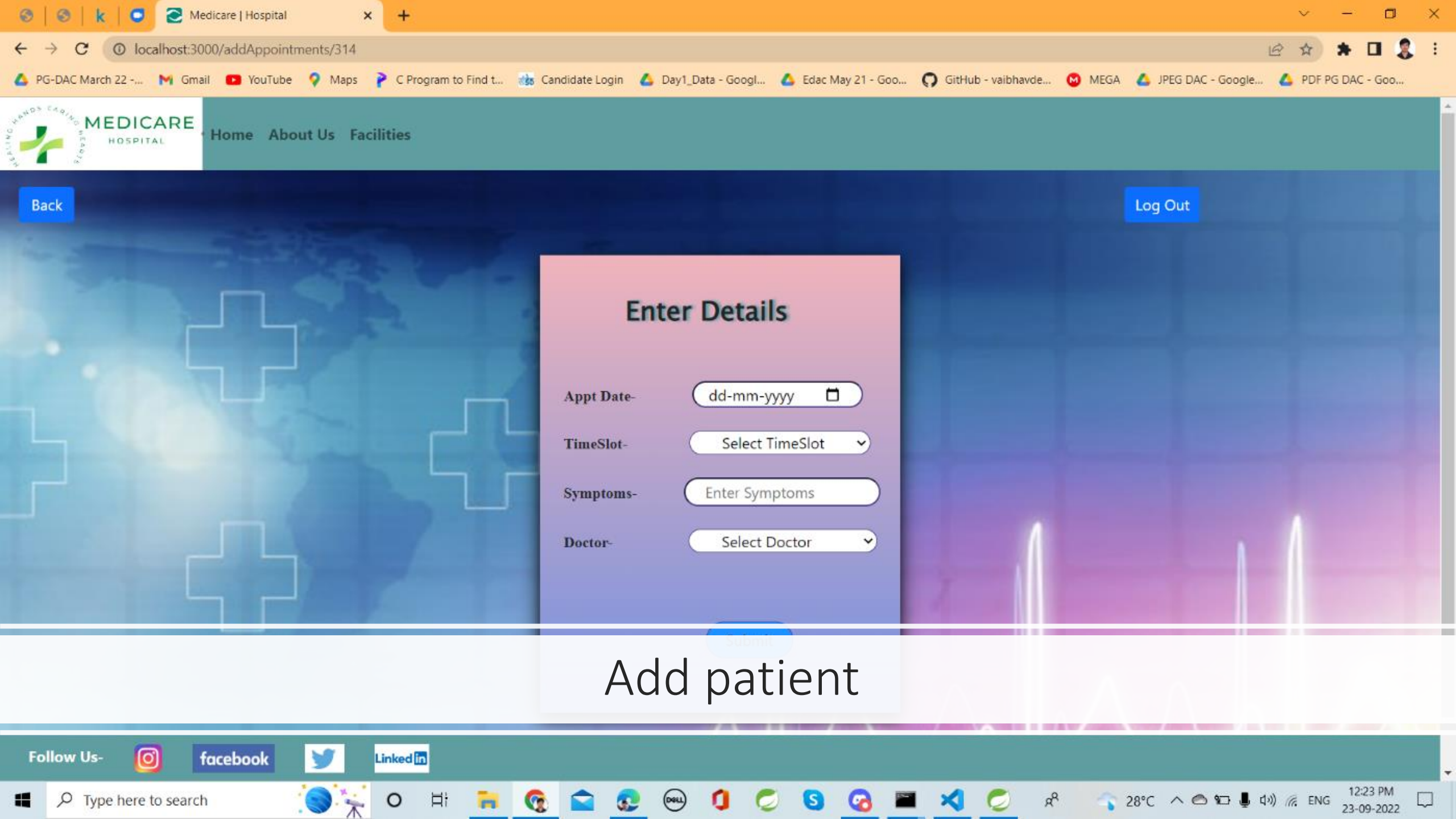
View staff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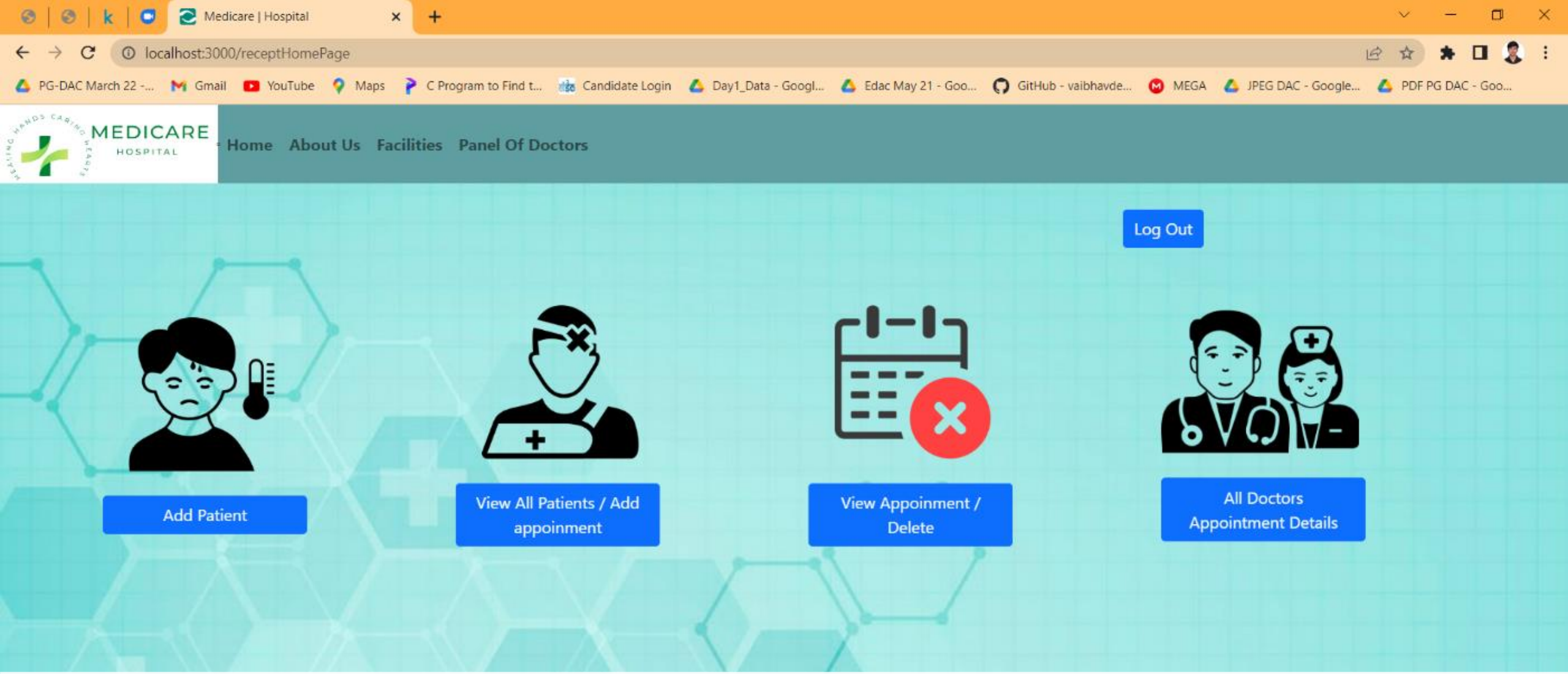
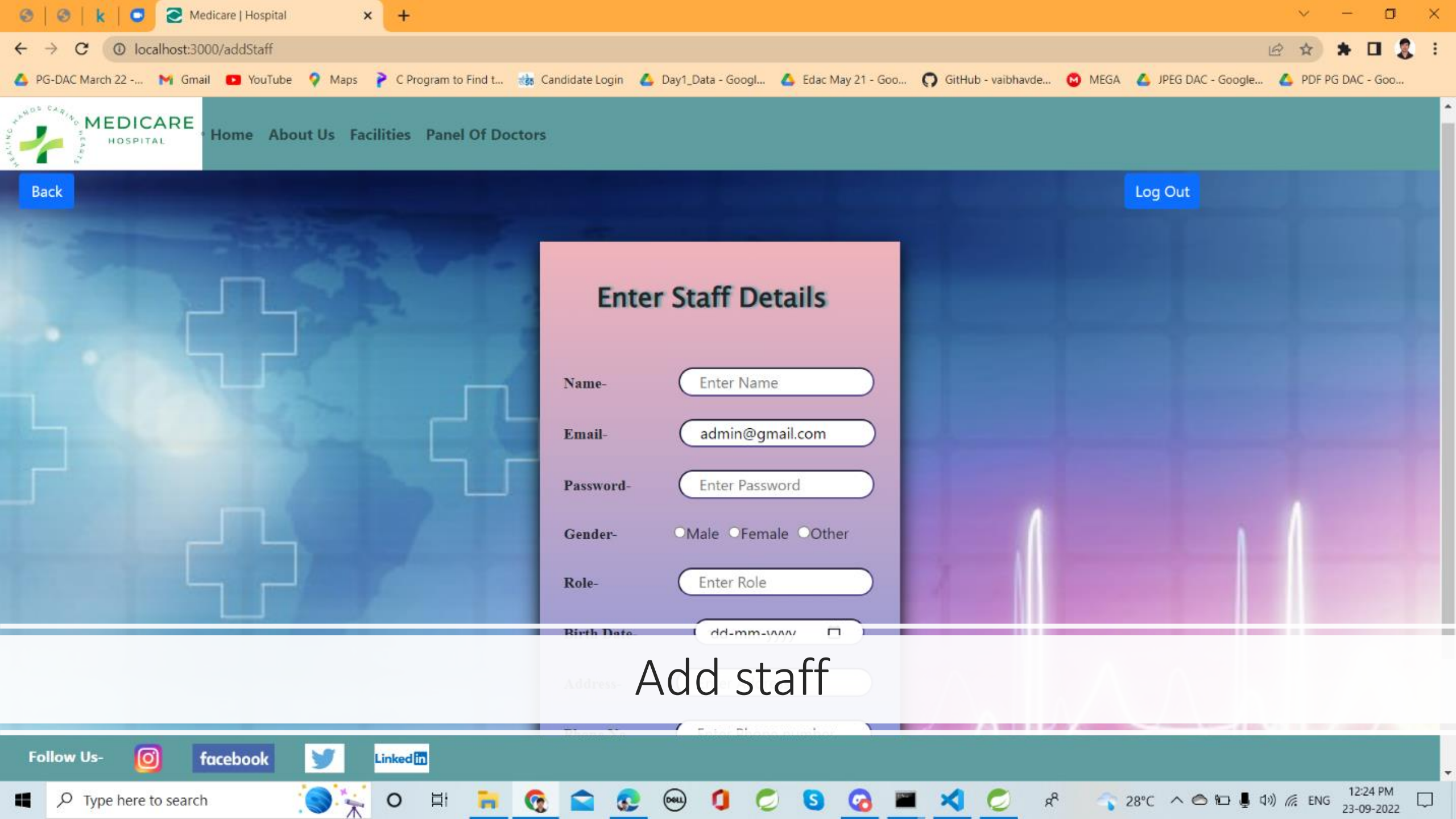
Add patient



Receptionist homepage


Medicare | Hospital
localhost:3000/addStaff
MEDICARE HOSPITAL
Home
About Us
Facilities
Panel Of Doctors
Back
Log Out
Enter Staff Details
Name-
Enter Name
Email-
admin@gmail.com
Password-
Enter Password
Gender-
Male
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Other
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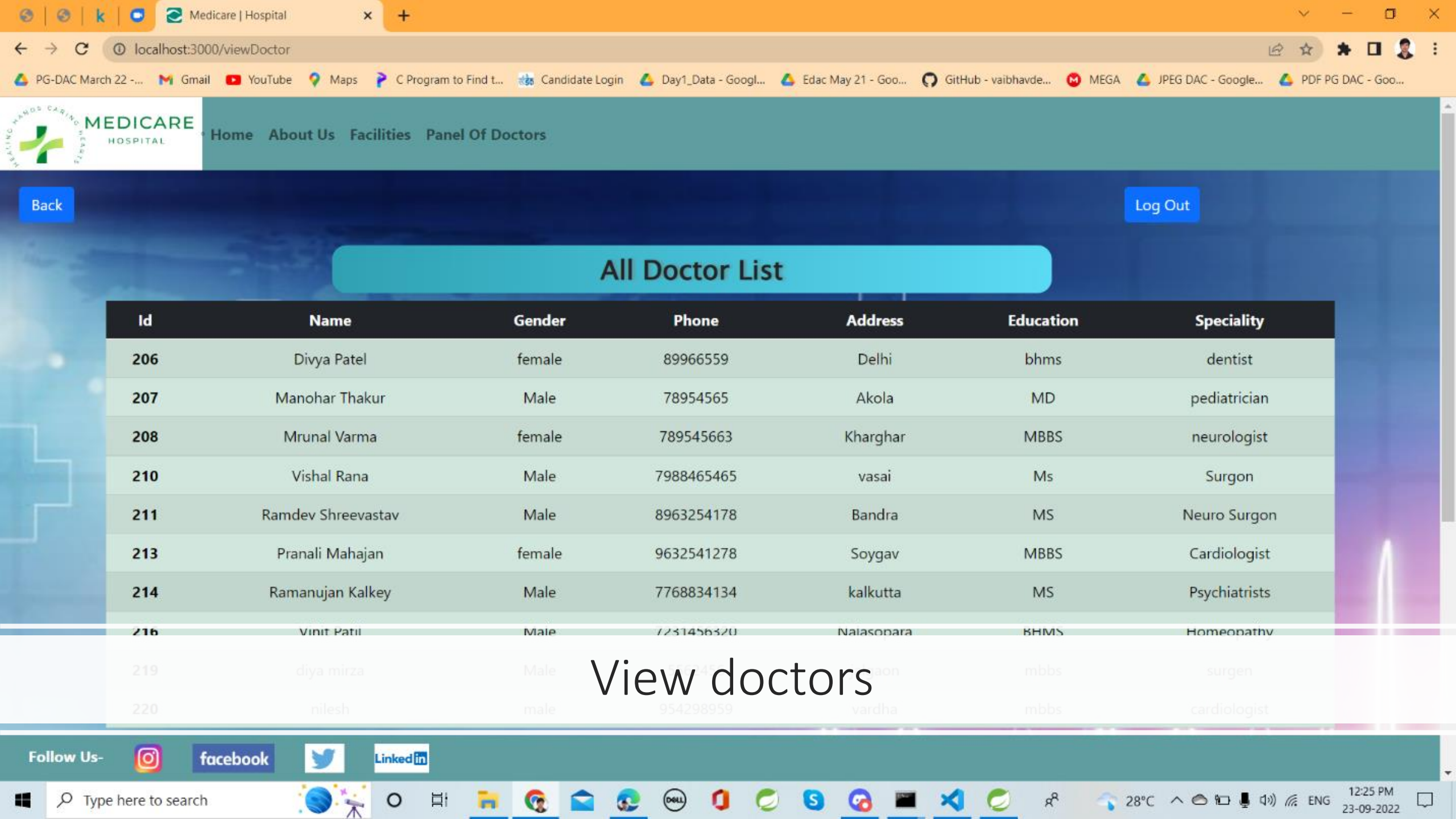
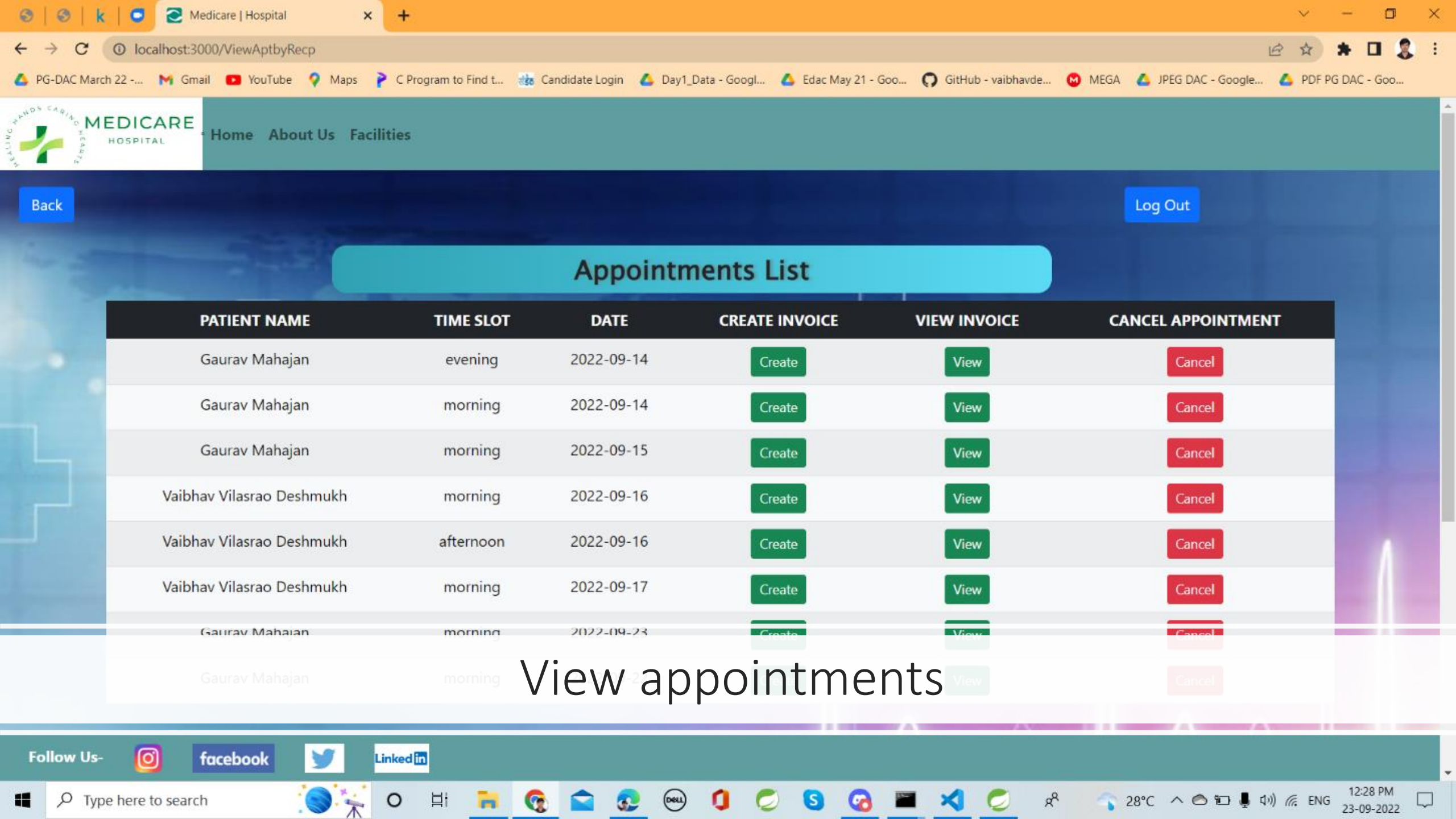
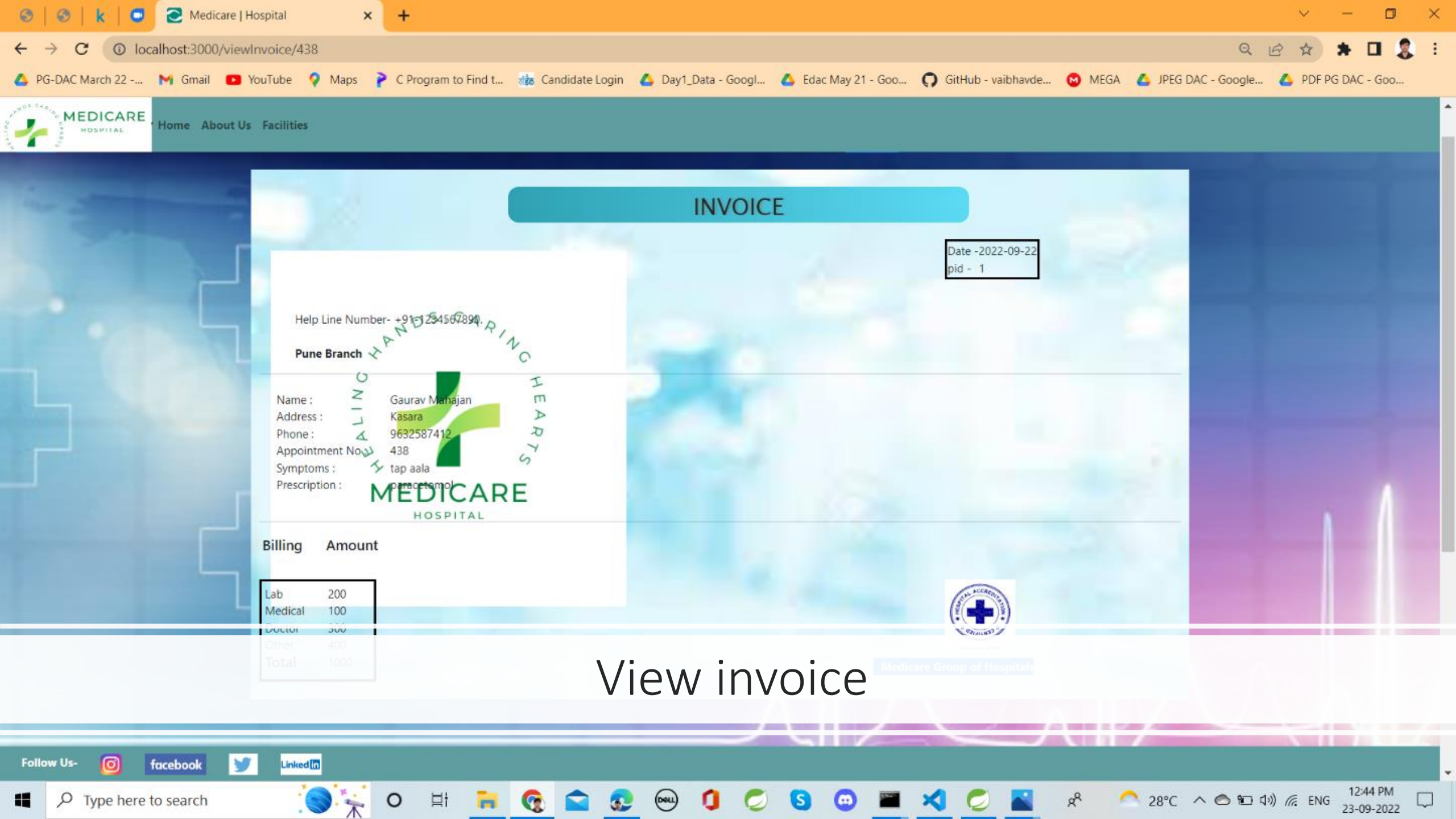
Add staff



View doctors



View appointments



View invoice