TEST SUITE

Online Medical Consultation System(OMCS)
Group 18(Bratin Mondal, Swarnabh Mandal and Somya Kumar)

Let the initial Database be:

Admin:

Email	Password
admin@gmail.com	adminp

Hospitals:

Name	Address	Pin Code
Apollo Hospitals	Plot # 13, Off Uran Road, Parsik Hill Rd, Sector 23, CBD Belapur, Navi Mumbai, Maharashtra	400614
Artemis Hospital	Artemis Hospital	122001

Doctors:

Email	Password	First Name	Last Name	Address	Phone Number	Hospital	Specialization	Pin Code
ranjimdas@gmail.com	ranjimp	Ranjim	Das	Khotari Compound, Kherani Road, Saki Naka Mumbai	0222852073 6	Appolo hospitals	Pulmonology	400614

sanchityewale@gmail.com	sanchitp	Sanchit	Yewale	Swarna Jayanti Comm Cplx, Ameerpet, Hyderabad	04055256254	Appolo hospitals	Ophthalmology	400614
roddurmajumdar@gmail.com	roddurp	Roddur	Majumdar	57, Lisha Park, H T Line Road, Subhanpura, Vadodara	02222659958	Artemis Hospital	Dermatology	122001
parvraj@gmail.com	parvp	Parv	Raj	367 Sector 24, Delhi	9512922324 53	Artemis Hospital	Cardiology	122001

Patients:

Email	Password	First Name	Last Name	Address	Phone Number	Pin Code
anuraggguria88@gmail.com	anuragp	Anurag	Guria	Adania Pool, Fatehpura, Kolkata	0265251 1888	234567
narendragandhi2004@gmail.com	narendrap	Narendra	Gandhi	325, Kalbadevi Road, Kalbadevi, Mumbai	0265251 1888	390006

1. FRONTEND GUI TESTING:-

1. **HOME PAGE:-**
   a. It has four buttons in the navbar named
      i. **Hospitals-** redirects to a page showing a list of hospitals registered.
      ii. **Doctor Register-** redirects to a page for doctor registration
      iii. **Patient Register-** redirects to a page for patient registration.
      iv. **Login-** redirects to a page for login for all types of user.

2. **HOSPITALS PAGE:-**
   a. It is the page to display the list of all the registered hospitals
   b. It shows the different hospitals on different cards.
      It displays
      i. Hospital Name
      ii. Hospital Address
      iii. Hospital PIN Code

3. **DOCTOR REGISTRATION PAGE:-**
   a. It is the registration page for doctors.
   b. It shows a form with fields and options for
      i. Email
      ii. Password
      iii. First Name
      iv. Last Name
      v. Address
      vi. Contact
      vii. Hospital
      viii. Specification
      ix. Pin code
   c. It has a button 'Register' to register the doctor.
   d. The email field needs to be filled with a valid email.
   e. All the fields in the form need to be filled in for successful registration.
   f. If the email is already registered, then it will show an appropriate message.

4. **PATIENT REGISTRATION PAGE:-**
   a. It is the registration page for patients.
   b. It shows a form with fields and options for

   i. Email

   ii. Password

   iii. First Name

   iv. Last Name

   v. Address

   vi. Contact

   vii. Pin Code

c. It has a button 'Register' to register the patient.

d. The email field needs to be filled with a valid email.

e. All the fields in the form need to be filled in for successful registration.

f. If the email is already registered, then it will show an appropriate message.

5. **LOGIN PAGE:-**

 a. It is the common Login Page for all Users.

 b. It shows a form with two fields

   i. Email

   ii. Password

 c. If any of the above fields are invalid or if the user is not registered, then it will show the message "Email or password incorrect".

 d. Example:

   i. Correct Credentials

     1. Input:

       a. Email: sanchityewale@gmail.com

       b. Password: sanchp

     2. Output: Redirect to Dr. Sanchit's user page

   ii. Incorrect Password

     1. Input:

       a. Email: sanchityewale@gmail.com

       b. Password: sanch

     2. Output: Email or password incorrect

   iii. Incorrect Username

     1. Input:

       a. Email: sanch@gmail.com

       b. Password: sanchp

     2. Output: Email or password incorrect

6. **ADMIN DASHBOARD:-**

 a. It is the page that appears after the admin logs in.

b. It has four buttons in the navbar named to redirect to the corresponding pages.

c. The pages are:-

    i. **Profile:**
    It displays the email of the admin.

    ii. **List of Doctors:**
    It displays:

        1. Pending Doctors:
        Details about the doctors who have registered but still have not been accepted.
        It has a button to accept the registered doctor.

        2. Enrolled Doctors:
        Details about the doctors who are enrolled in the system
        It has a button to remove the enrolled doctor.

    iii. **List of Hospitals:**
    It displays:

        1. Register New Hospital:
        It is a form with three entry fields:
            a. Hospital Name
            b. Hospital Address
            c. Hospital Pin Code
            It also has a Register button to register the new hospital

        2. Registered Hospitals:
        It displays the details of the registered hospitals on different cards

d. The Log Out button logs out the user and redirects to the home page

7. DOCTOR DASHBOARD:-

a. It is the page that appears after the doctor logs in.

b. It has four buttons in the navbar named to redirect to the corresponding pages.

c. The pages are:-

    i. **Profile:**
    It displays the name of the Doctor.

    ii. **Pending Appointments:**
    It displays the details of the appointment requests made by the patients to the doctor.

It has two buttons to accept or decline appointment requests.

    iii. Appointment History:

It displays the details of all the appointments accepted by the doctor.

d. The Log Out button logs out the user and redirects to the home page

8. PATIENT DASHBOARD:-

a. It is the page that appears after the patient logs in.

b. It has four buttons in the navbar named to redirect to the corresponding pages.

c. The pages are:-

    i. Profile:

It displays the name of the patient

    ii. Book an Appointment:

It gives the option to choose a particular pin code to search for hospitals and dates to book appointments.

It lists all the doctors in a particular hospital at the given pin code and provides a button to request an appointment with the doctor

    iii. Appointment History:

It displays the details of all the appointments which was requested by the patient.

d. The Log Out button logs out the user and redirects to the home page

2. BACKEND SERVER TESTING:-

1. REGISTER:-

a. DOCTOR REGISTRATION:

    i. PRE-CONDITION:- Let the initial Database be given as per the above.

    ii. INPUT:- Input format discussed in FrontEnd GUI Testing

        1. Example Input:-

            a. Email: akshat@gmail.com

            b. Password: akshatp

            c. First Name: Akshat

            d. Last Name: Sharma

      e. Address: Hno.11-4-657/2, Lakdikapul, Hyderabad

      f. Contact: 00792123012

      g. Hospital: Apollo Hospitals

      h. Specification: Pulmonology

      i. Pin Code: 400614

   iii. **ACTION:-**

      1. Registering the new doctor on the doctor registration page.

      2. Acceptation of the doctor by the admin from the admin dashboard.(Discussed in point 7)

   iv. **OUTPUT:-**

     A new doctor has been added to the database.

     A mail to the registered email is sent.

   v. **FINAL DATABASE:-**

     The doctor database has been modified

Doctors:

Email	Password	First Name	Last Name	Address	Phone Number	Hospital	Specialization	Pin Code
ranjimdas@gmail.com	ranjimp	Ranjim	Das	Khotari Compound, Kherani Road, Saki Naka Mumbai	0222 8520 736	Appolo hospitals	Pulmonology	400614
sanchityewale@gmail.com	sanchitp	Sanchit	Yewale	Swarna Jayanti Comm Cplx, Ameerpet, Hyderabad	0405 5256 254	Appolo hospitals	Ophthalmology	400614

roddur majum dar@g mail.c om	roddur p	Roddu r	Maju mdar	57, Lisha Park, H T Line Road, Subha npura, Vadoda ra	0222 2659 958	Artemi s Hospit al	Derm atolo gy	122001
parvraj @gma il.com	parvp	Parv	Raj	367 Sector 24, Delhi	9512 9223 2453	Artemi s Hospit al	Cardi ology	122001
akshat @gma il.com	akshat p	Akshat	Shar ma	Hno.11 -4-657/ 2, Lakdik apul, Hydera bad	0079 2123 012	Appol o hospit als	Pulm onolo gy	400614

b. PATIENT REGISTRATION:
 i. **PRE-CONDITION:-** Let the initial Database be given as per the above.
 ii. **INPUT:-** Input format discussed in FrontEnd GUI Testing
  1. Example Input:-
   a. Email: raj@gmail.com
   b. Password: rajp
   c. First Name: Raj
   d. Last Name: Aryan
   e. Address: E-47, Connaught Place, Delhi
   f. Contact: 00222684118
   g. Pin Code: 400069
 iii. **ACTION:-**
 Register the new patient on the patient registration page.
 iv. **OUTPUT:-**
 A new patient has been added to the database.
 v. **FINAL DATABASE:-**
 The patient database has been modified.
 A mail to the registered email is sent.

Patients:

Email	Password	First Name	Last Name	Address	Phone Number	Pin Code
anuraggguria88@gmail.com	anuragp	Anurag	Guria	Adania Pool, Fatehpura, Kolkata	02652511888	234567
narendragandhi2004@gmail.com	narendrap	Narendra	Gandhi	325, Kalbadevi Road, Kalbadevi, Mumbai	02652511888	390006
raj@gmail.com	rajp	Raj	Aryan	E-47, Connaught Place, Delhi	00222684118	400069

c. **HOSPITAL REGISTRATION:**
   i. **PRE-CONDITION:-** Let the initial Database be given as per the above.
   ii. **INPUT:-** Input format discussed in FrontEnd GUI Testing
       1. Example Inupt:-
           a. Hospital Name: Fortis
           b. Hospital Address: 25, Purasawalkkam High Road, Second Floor
           c. Hospital Pin Code: 600007
   iii. **ACTION:** From admin's dashboard under List of Hospitals page under the Register new Hospital option the details are entered and Register button is pressed
   iv. **OUTPUT:**
       The hospital database has been modified

Hospitals:

Name	Address	Pin Code
Apollo Hospitals	Plot # 13, Off Uran Road, Parsik Hill Rd, Sector 23, CBD Belapur, Navi Mumbai, Maharashtra	400614
Artemis Hospital	Artemis Hospital	122001
Fortis	25, Purasawalkkam High Road, Second Floor	60007

2. **LOGIN:**
   a. **ADMIN LOGIN:**
      i. **PRE-CONDITION:-** Let the initial Database be given as per the above.
      ii. **INPUT:-** Input format discussed in FrontEnd GUI Testing
         1. Example Input:-
            a. Email: admin@gmail.com
            b. Password: adminp
      iii. **ACTION:-**
         Login through the Login page.
      iv. **OUTPUT:-**
         Redirected successfully to the admin dashboard
   b. **DOCTOR LOGIN:**
      i. **PRE-CONDITION:-** Let the initial Database be given as per the above
      ii. **INPUT:-** Input format discussed in FrontEnd GUI Testing
         1. Example Input:-
            a. Email: ranjimdas@gmail.com
            b. Password: ranjimp
      iii. **ACTION:-**
         Login through the Login page.
      iv. **OUTPUT:-**
         Redirected successfully to the doctor dashboard
   c. **PATIENT LOGIN:**

        i.   **PRE-CONDITION:-** Let the initial Database be given as per the above.

       ii.   **INPUT:-** Input format discussed in FrontEnd GUI Testing

          1. Example Input:-

             a. Email: anuragguria88@gmail.com

             b. Password: anuragp

      iii.   **ACTION:-**

          Login through the Login page.

      iv.   **OUTPUT:-**

          Redirected successfully to the admin dashboard.

    d. Cases with invalid Email and Passwords are described in FrontEnd GUI Testing.

3. LOGOUT:

All types of users have the same logout functionality.

        i.   **PRE-CONDITION:-** Let the initial Database be given as per the above.

       ii.   **INPUT:-** Input format discussed in FrontEnd GUI Testing.

          1. Example Input:-

            Logout at the doctor's dashboard.

      iii.   **ACTION:**

          The logout button is pressed on the doctor's page.

      iv.   **OUTPUT:**

          Redirected successfully to the main page.

4. APPOINTMENT REQUEST:

The patient can make an appointment request for a doctor from his dashboard

        i.   **PRE-CONDITION:-** Let the initial Database be given as per the above.

       ii.   **INPUT:-** Input format discussed in FrontEnd GUI Testing.

          1. Example Input:-

            From patient Anurag Guria's dashboard, the following steps are implemented:

             a. Case-1:

                i.   **ACTION:**

                    PIN CODE 102122 is entered

                ii.   **OUTPUT:**

                    No doctor is found

             b. Case-2:

                i.   **ACTION:**

                    PIN CODE 400614 is entered

ii. **OUTPUT:**
Two doctor cards of
1. Ranjim Das
2. Sanchit Yewale

is shown on the screen.

  a. **ACTION CASE 1:**
An appointment date of the past is chosen, and the book appointment button is pressed for doctor Ranjim

  b. **OUTPUT CASE 1:**
A message showing an invalid date is shown

  c. **ACTION CASE 2:**
An appointment date in the future (20/04/2023) is chosen, and the book appointment button is pressed for doctor Ranjim

  d. **OUTPUT CASE 2:**
An appointment object is created:
    i. Doctor: Ranjim Das
    ii. Patient: Anurag Guria
    iii. Description: Scheduled Appointment
    iv. Status: Pending
    v. Date: 20/04/2023
This appointment object is visible on the appointment history section of the patient and doctor's dashboard.

5. **APPOINTMENT ACCEPT:**
    i. **PRE-CONDITION:-** Let the initial Database be given as per the above, and an appointment request is made as illustrated in 4
    ii. **INPUT:-** Input format discussed in FrontEnd GUI Testing.

1. Example Input:-
   The doctor accepts the appointment.
      a. **ACTION:**
         From doctor Ranjim's dashboard, in the Pending appointments section for the particular appointment, ACCEPT button is pressed.
      b. **OUTPUT:**
         For the particular appointment object, the Status field is set to Accepted.
         This appointment is now visible in Doctor Ranjim's and Patient Anurag's Appointment History with the status as ACCEPTED.

6. **APPOINTMENT REJECT:**
   i. **PRE-CONDITION:-** Let the initial Database be given as per the above, and an appointment request is made as illustrated in 4
   ii. **INPUT:- I**nput format discussed in FrontEnd GUI Testing.
      1. Example Input:-
         The doctor rejects the appointment.
            a. **ACTION:**
               From doctor Ranjim's dashboard, in the Pending appointments section for the particular appointment, the REJECT button is pressed.
            b. **OUTPUT:**
               For the particular appointment object, the Status field is set to Declined.
               This appointment is now visible in Doctor Ranjim's and Patient Anurag's Appointment History with the status as DECLINED.

7. **DOCTOR REGISTRATION ACCEPT:**
   i. **PRE-CONDITION:-** Let the initial Database be given as per the above, and an attempt to register a new doctor has been made as illustrated in point 1 till Action 1.
   ii. **INPUT:-** Input format discussed in FrontEnd GUI Testing
      1. Example Input:-
            a. **ACTION:**
               From Admin's Dashboard, under the Doctors

page, in the list of Pending Doctors, ACCEPT button is pressed for Dr. Akshat Sharma.

      b. **OUTPUT:**

The doctor database has been modified.

A mail to the registered email is sent.

The final database is shown under point 1.

8. **DOCTOR DEREGISTRATION:**

    i.   **PRE-CONDITION:-** Let the initial Database be given as per the above.

    ii.   **INPUT:-** Input format discussed in FrontEnd GUI Testing

        1. Example Input:-

          a. **ACTION:**

From Admin's Dashboard, under the Doctors page, in the list of Pending Doctors, ACCEPT button is pressed for Dr. Ranjim Das

          b. **OUTPUT:**

The doctor database has been modified.

Doctors:

Email	Password	First Name	Last Name	Address	Phone Number	Hospital	Specialization	Pin Code
sanchityewale@gmail.com	sanchitp	Sanchit	Yewale	Swarna Jayanti Comm Cplx, Ameerpet, Hyderabad	0405525625 4	Appolo hospitals	Ophthalmology	400614
roddurmajumdar@gmail.com	roddurp	Roddur	Majumdar	57, Lisha Park, H T Line Road, Subhanpura, Vadodara	0222265995 8	Artemis Hospital	Dermatology	122001

parvraj@gmail.com	parvp	Parv	Raj	367 Sector 24, Delhi	951292232453	Artemis Hospital	Cardiology	122001