HEALTH HUB

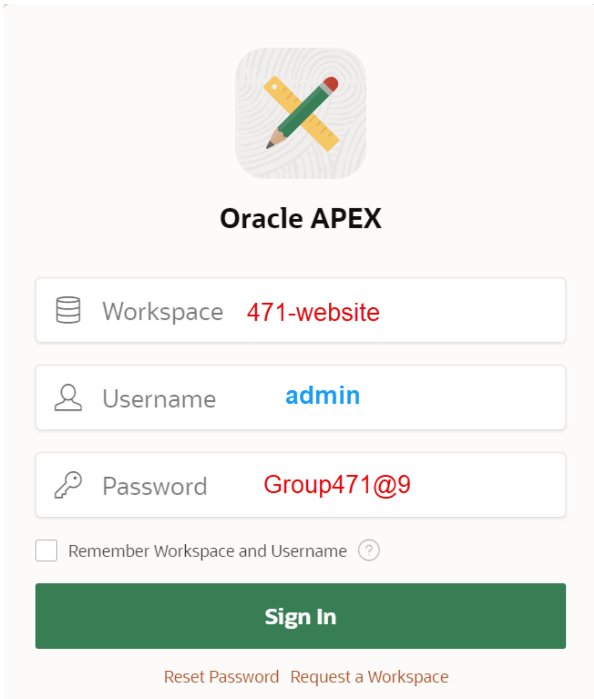
Manual

CPSC 471

Project

Group 9

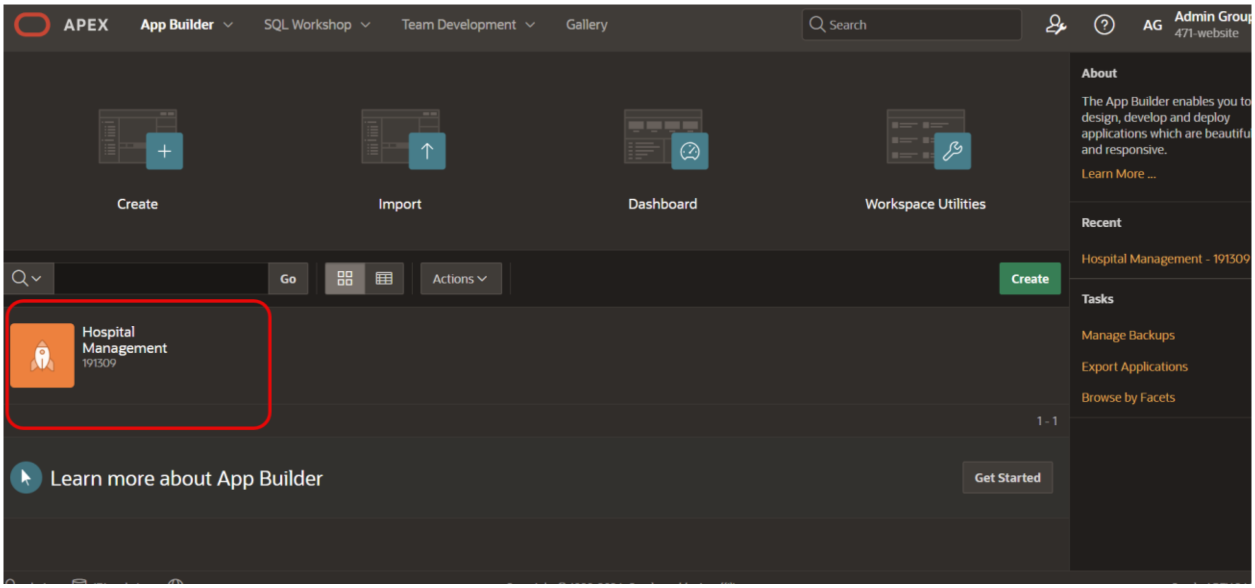
Steps to Start Using Oracle APEX Starting from the Login Page:

1. **Access the Login Page:**
    - Open your web browser and navigate to the Oracle APEX login URL provided by your administrator (or hosted service).
    - You should see the login page similar to the one in the uploaded screenshot.
    - 

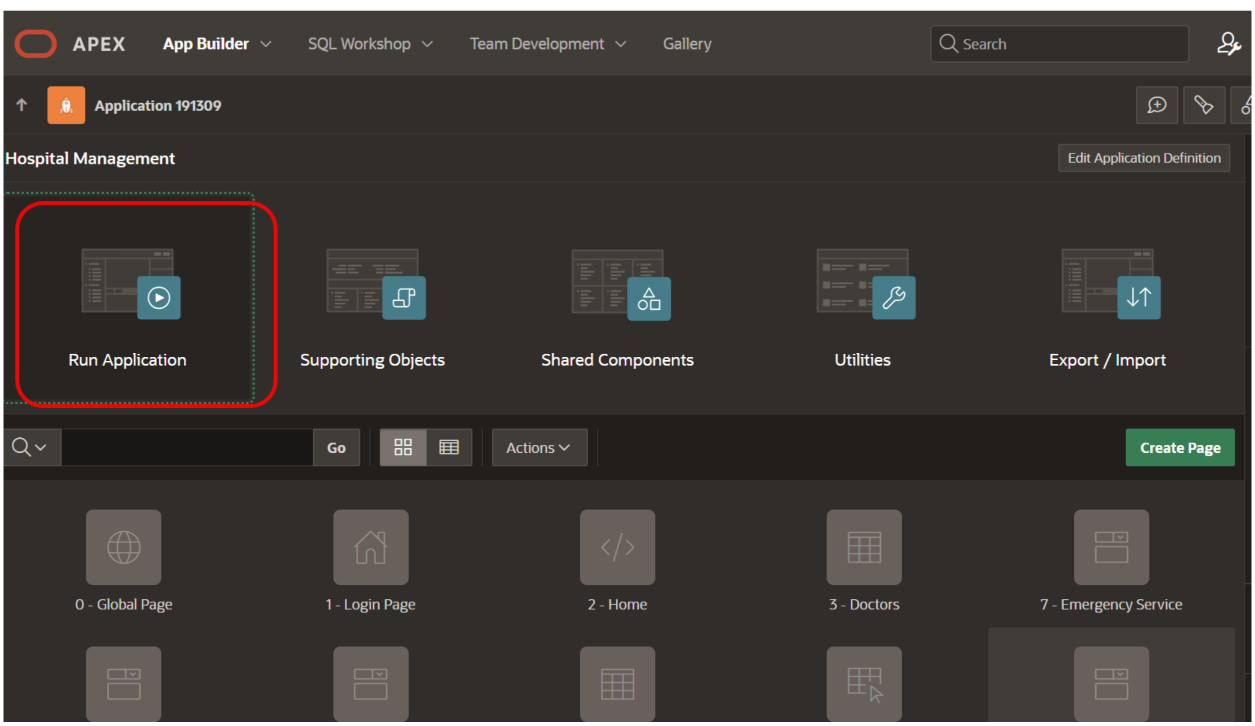
2. **Enter Workspace Information:**
    - Locate the **Workspace** field.
    - Enter the workspace name provided to you, in this case, 471-website.
3. **Enter Your Username:**
    - In the **Username** field, enter your username. For example, admin as shown.
4. **Enter Your Password:**
    - In the **Password** field, enter the password provided to you. For example, Group471@9 as displayed.
5. **Optional: Remember Workspace and Username:**
    - Check the box labeled **"Remember Workspace and Username"** if you are using a secure, personal device and want the browser to save your credentials.
6. **Click "Sign In":**

- Press the **Sign In** button. If the credentials are correct, you will be logged into Oracle APEX

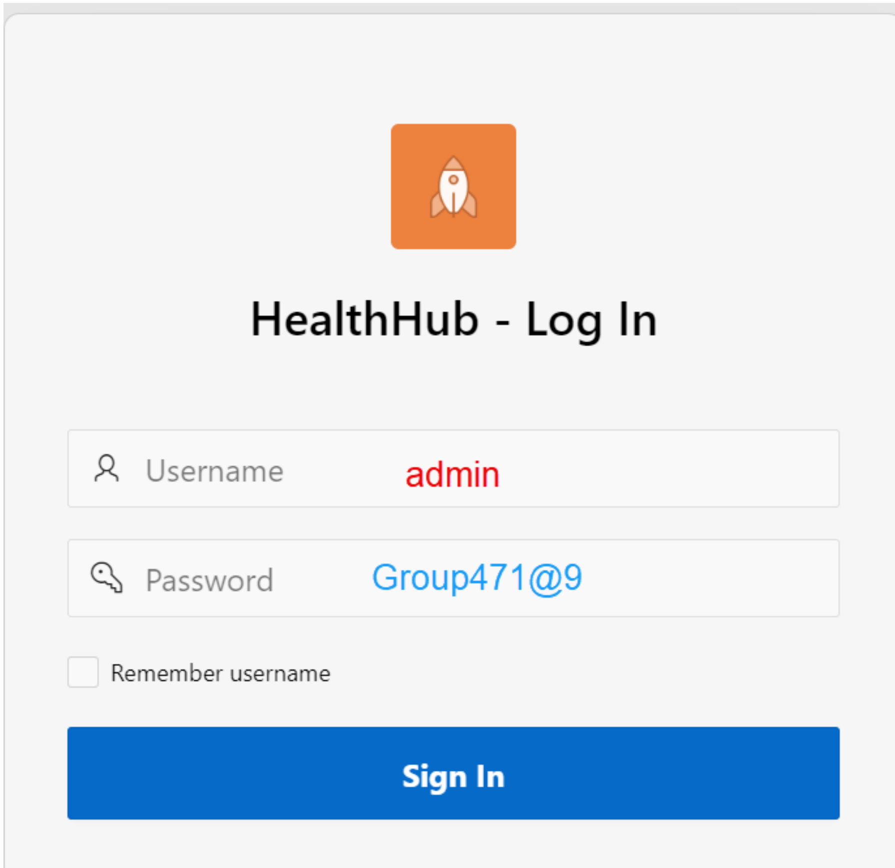
7. **Click on the 'Hospital Management' icon to open the application.**



8. Click on 'Run Application' to launch and preview the Hospital Management application



9. Enter the username admin and the password Group471@9, then click 'Sign In' to access the HealthHub application



10. After logging in, you will be redirected to the HealthHub dashboard.

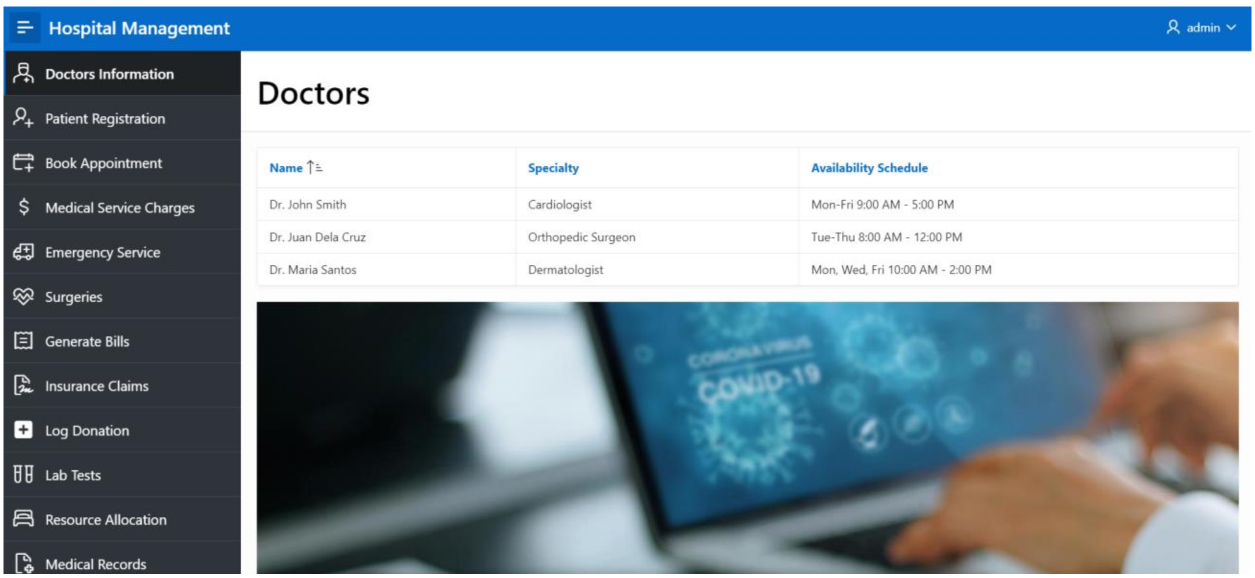
11. Click on the menu icon on the top left corner of the screen to expand the navigation menu, and then select the desired module, such as 'Book Appointment' or 'Lab Tests,' to proceed with its functionality.

Doctor’s Information

1. **Select "Doctors Information":**
   From the expanded menu, click on **"Doctors Information"** (first option in the list).

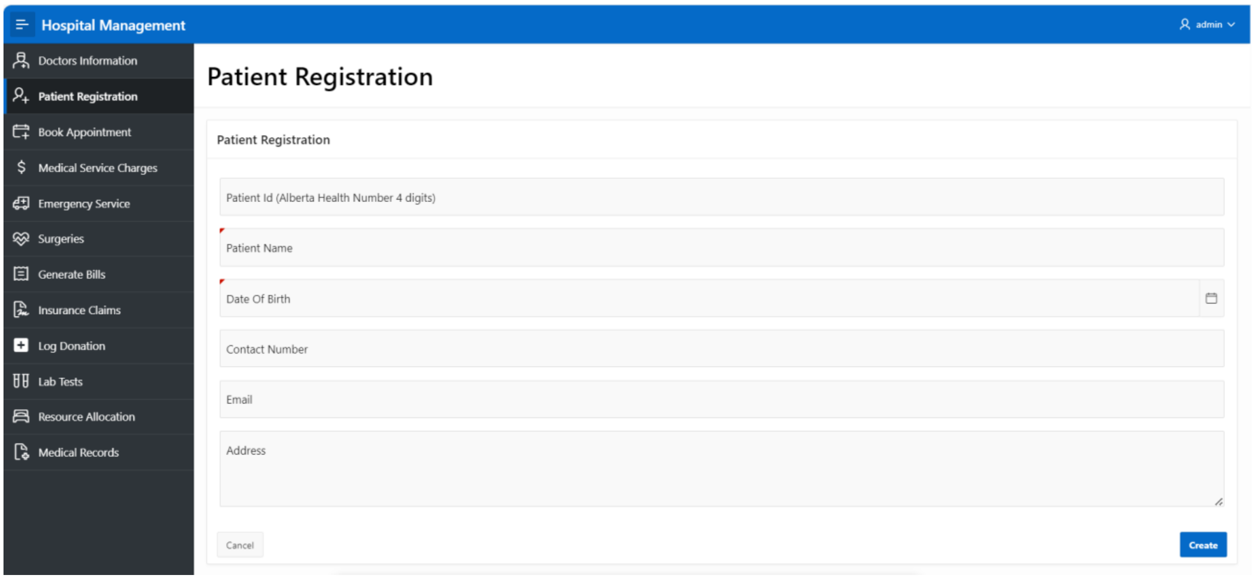
   View Doctors Details:

   You will be redirected to the **Doctors Information** page, where you can:
   View a list of all doctors.
   Search for a doctor by name, specialty, or department.

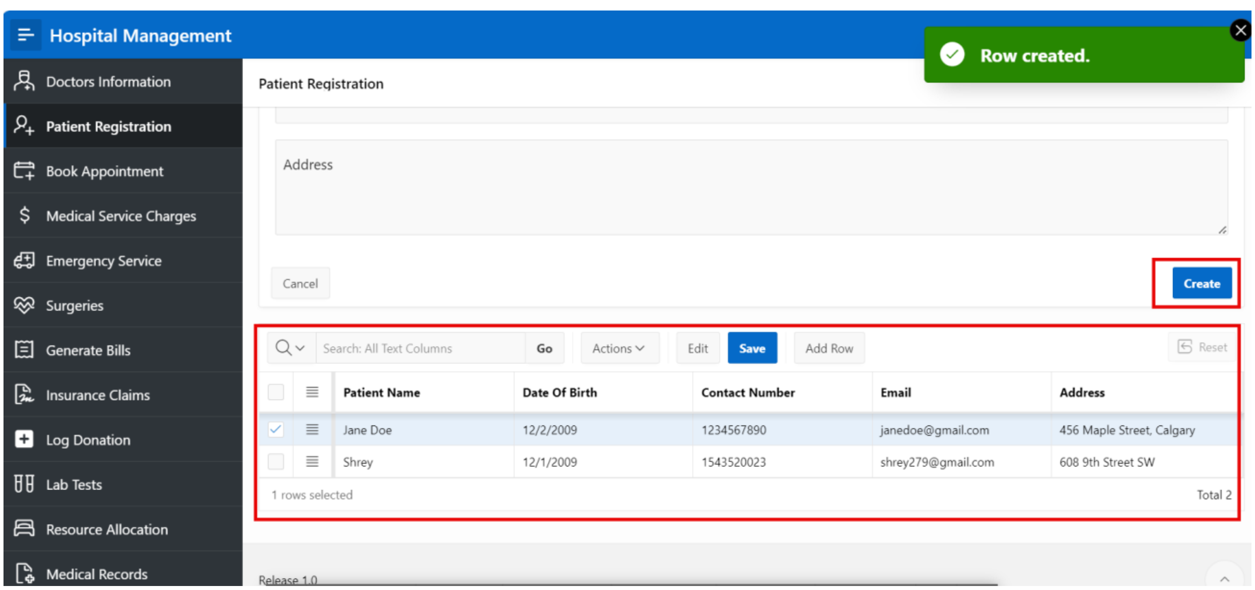


PATIENT REGISTRATION

1. On the 'Patient Registration' page, you can register new patients by filling in the required details such as Patient ID (Alberta Health Number, 4 digits), Name, Date of Birth, Contact Number, Email, and Address. Once all fields are completed, click the 'Create' button to save the patient's information.

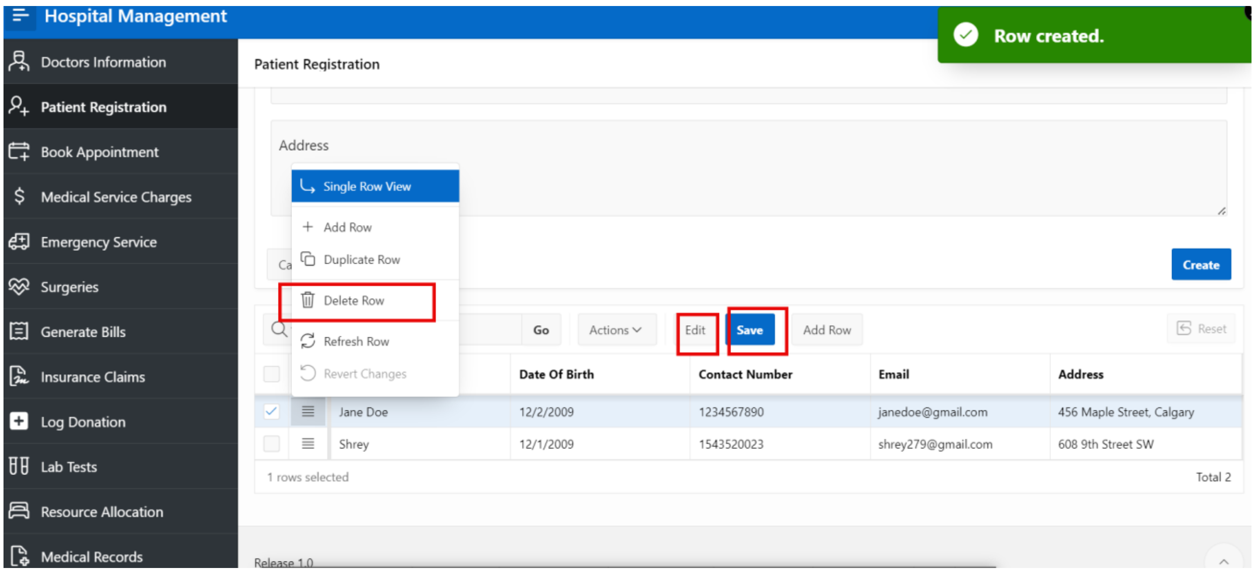


2. After filling out the Patient Registration form, click the 'Create' button to save the patient's details. The newly added patient will appear in the table below, along with their name, date of birth, contact number, email, and address. You can use the table to view, search, edit, or manage patient records.



To manage patient records:

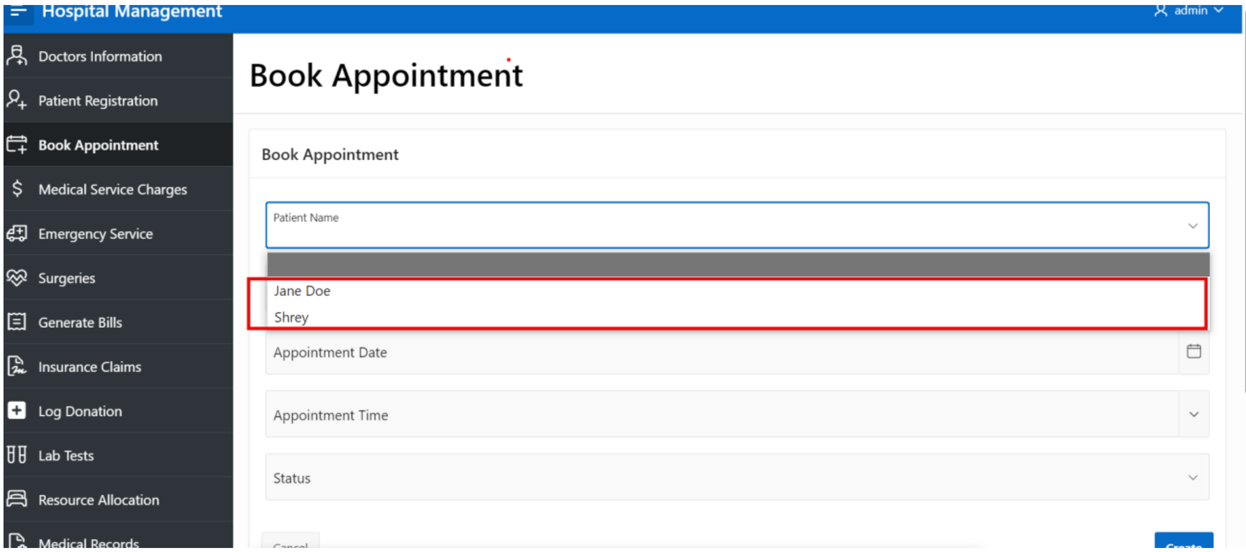
- **Edit a Record:** Select a patient row, click the **'Edit'** button, make the necessary changes in the fields, and then click **'Save'** to update the information.
- **Delete a Record:** Use the **'Actions'** menu, choose **'Delete Row'**, and confirm to remove the selected patient's record from the table

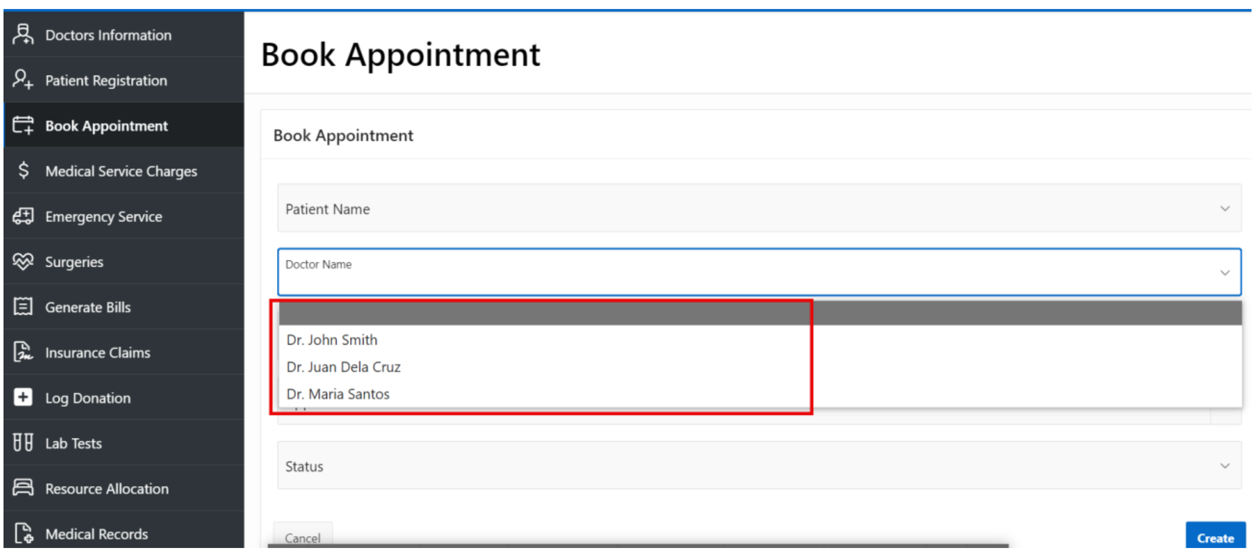


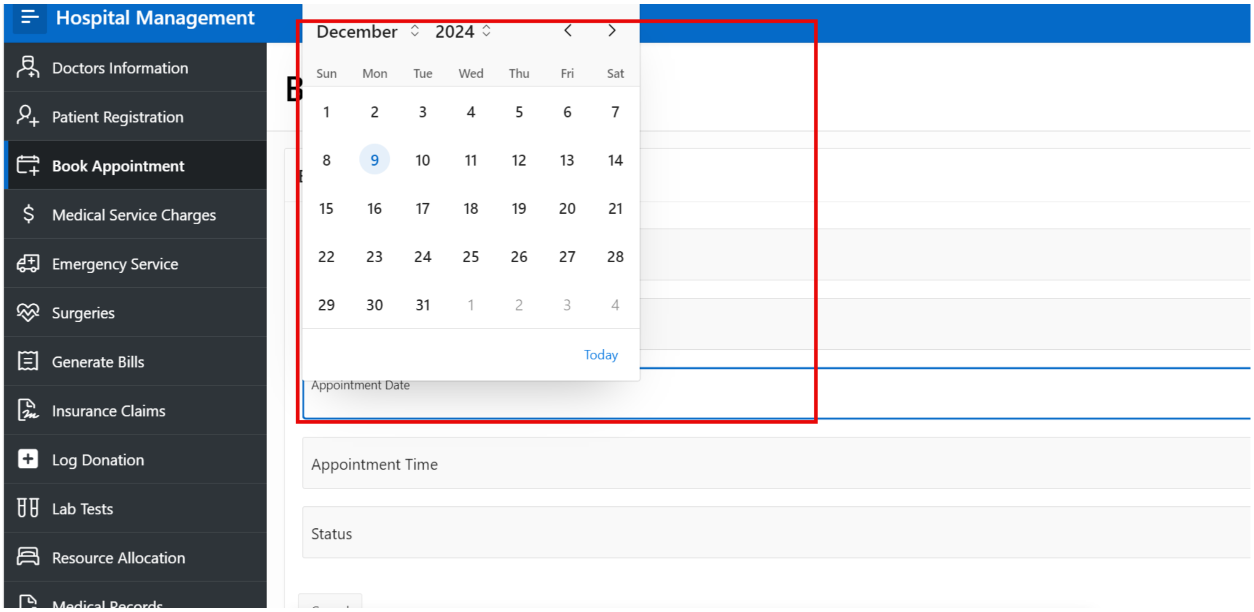
Book an Appointment:

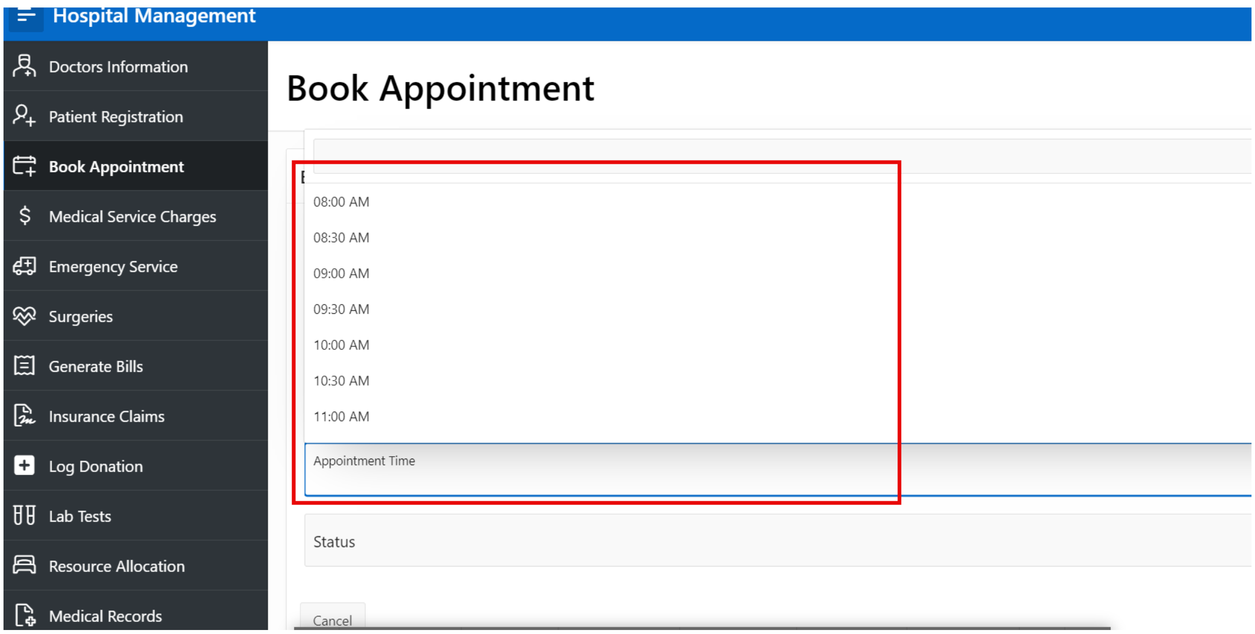
1. **Select Patient Name:**
    - Open the **Patient Name** dropdown.
    - Choose the patient for the appointment, such as:
        - **Jane Doe**
        - **Shrey**
2. **Select Doctor Name:**
    - Open the **Doctor Name** dropdown.
    - Choose the doctor you want to book an appointment with:
        - **Dr. John Smith (Cardiologist)**
        - **Dr. Juan Dela Cruz (Orthopedic Surgeon)**
        - **Dr. Maria Santos (Dermatologist)**
3. **Choose Appointment Date:**
    - Click on the **Appointment Date** field to open the calendar.
    - Select the desired date for the appointment.
4. **Choose Appointment Time:**
    - Open the **Appointment Time** dropdown.
    - Pick a time slot that works for the appointment, such as:
        - **08:00 AM**
        - **08:30 AM**
        - **09:00 AM**
        - **09:30 AM**
        - **10:00 AM**
5. **Set Appointment Status:**
    - Open the **Status** dropdown.
    - Choose the status of the appointment:
        - **Confirmed**: If the appointment is finalized.
        - **Pending**: If the appointment requires confirmation.

6. **Save the Appointment:**
    - After completing all fields, click the **Create** button to save the appointment.
    - The newly booked appointment will be displayed in the table below for reference and management.






Hospital Management
Doctors Information
Patient Registration
Book Appointment
Medical Service Charges
Emergency Service
Surgeries
Generate Bills
Insurance Claims
Log Donation
Lab Tests
Resource Allocation
December
2024
Sun Mon Tue Wed Thu Fri Sat
1 2 3 4 5 6 7
8 9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30 31 1 2 3 4
Today
Appointment Date
Appointment Time
Status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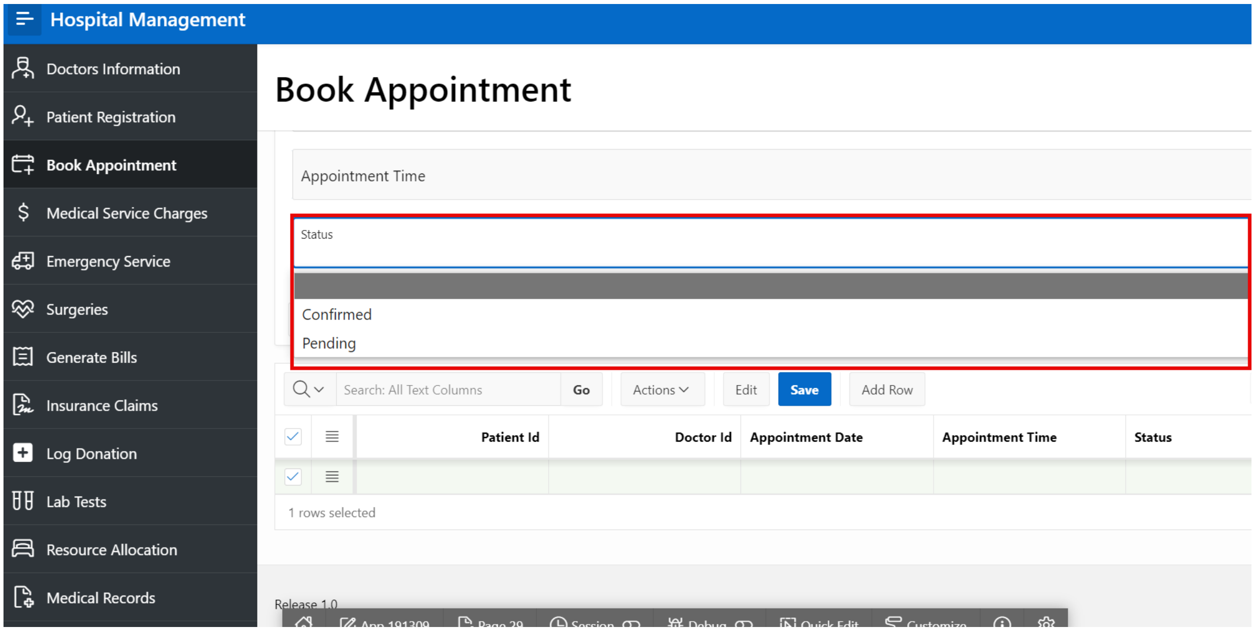
Medical Records
Book Appointment
08:00 AM
08:30 AM
09:00 AM
09:30 AM
10:00 AM
10:30 AM
11:00 AM
Appointment Time
Status
Cancel



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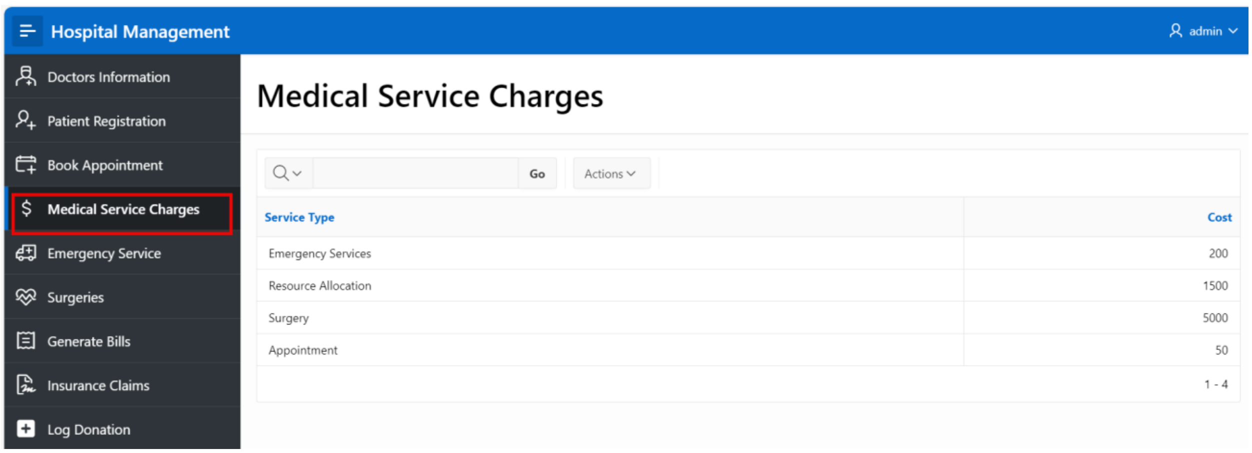
Medical Records
Book Appointment
Appointment Time
Status
Confirmed
Pending
Search: All Text Columns
Go
Actions
Edit
Save
Add Row
Patient Id
Doctor Id
Appointment Date
Appointment Time
Status
1 rows selected
Release 1.0

Medical Service Charges

The **Medical Service Charges** page displays the list of service types along with their associated costs. This allows administrators or users to view and manage the pricing for various medical services offered.

Details on the Page:

- **Service Type**: Lists the type of medical services provided (e.g., Emergency Services, Surgery, Appointments).
- **Cost**: Displays the cost associated with each service type (e.g., 200 for Emergency Services, 5000 for Surgery).



Emergency Service

The **Emergency Service** page allows users to log details of emergency cases and assign relevant patient and doctor information.

Fields in the Form:

1. **Patient ID**:
    - A dropdown to select the **Patient ID** from the list of registered patients.
    - This ensures the emergency case is linked to an existing patient.
2. **Emergency Type**:
    - A text field to specify the type of emergency (e.g., Cardiac Arrest, Accident, etc.).
3. **Doctor ID**:
    - A dropdown to select the **Doctor ID** from the list of available doctors.

- This field assigns the case to a specific doctor.

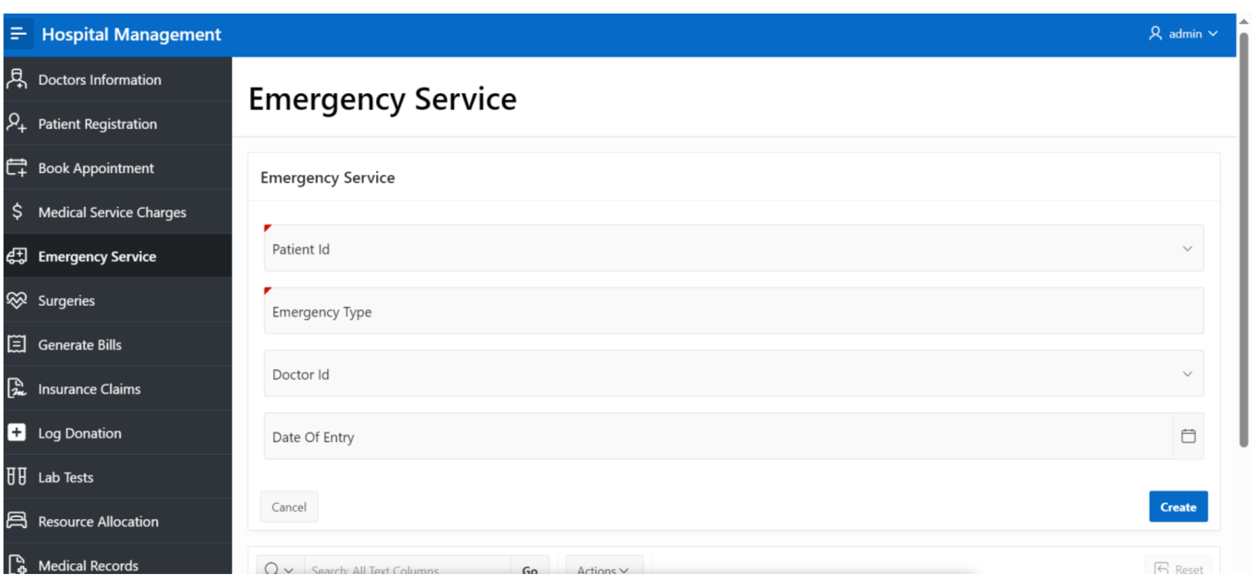
4. **Date of Entry**:
   - A date picker to log the date of the emergency service entry.

How to Use the Form:

1. **Select Patient**:
   - Use the **Patient ID** dropdown to select the patient involved in the emergency.
2. **Specify Emergency Type**:
   - Enter the nature of the emergency in the **Emergency Type** field (e.g., "Fracture" or "Severe Allergic Reaction").
3. **Assign Doctor**:
   - Choose the **Doctor ID** from the dropdown to assign a doctor to the case.
4. **Set Date of Entry**:
   - Use the date picker to specify the date of the emergency.
5. **Save the Record**:
   - Click the **Create** button to save the details of the emergency service.

Post-Submission Actions:

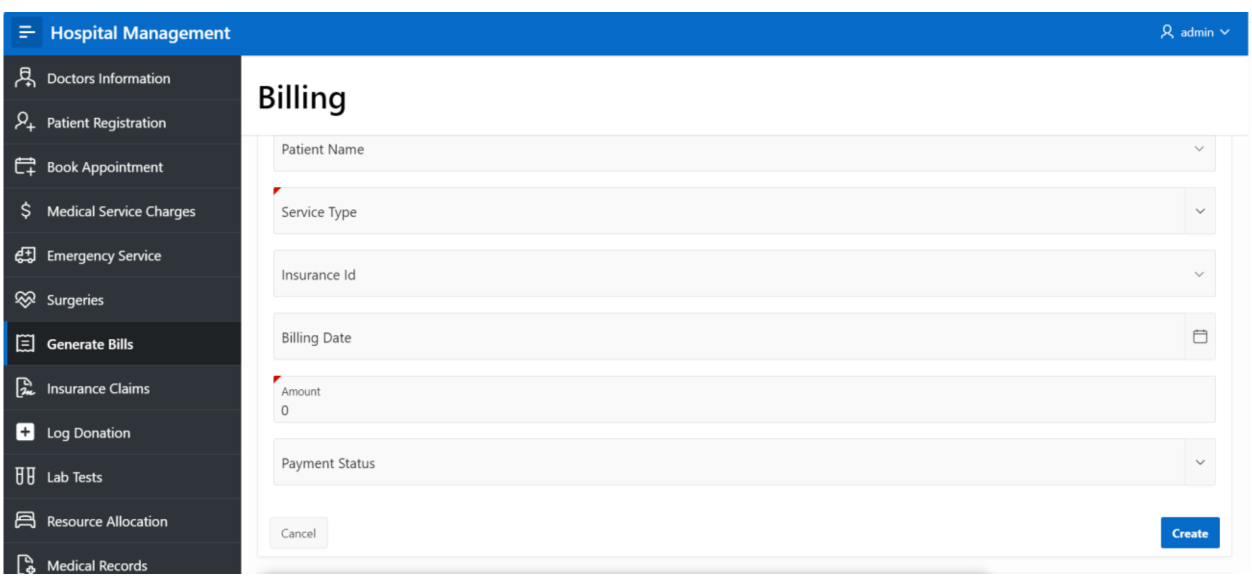
- Once the form is submitted, the newly created record will be displayed in the table below for reference and further updates if necessary.



Surgeries Page

- **Select Patient**:
- Use the **Patient ID** dropdown to choose the patient undergoing the surgery.
- **Assign Doctor**:
- Use the **Doctor ID** dropdown to assign the doctor responsible for the procedure.
- **Describe the Surgery**:
- Fill in the **Surgery Description** field with details about the surgery (e.g., procedure name or notes).
- **Set Surgery Date and Time**:
- Use the **Surgery Date** field to select the date of the surgery.
- Use the **Surgery Time** field to specify the exact time.
- **Specify Operating Room**:
- Enter the name or number of the operating room in the **Operating Room** field.
- **Save the Record**:
- Click the **Create** button to save the surgery details

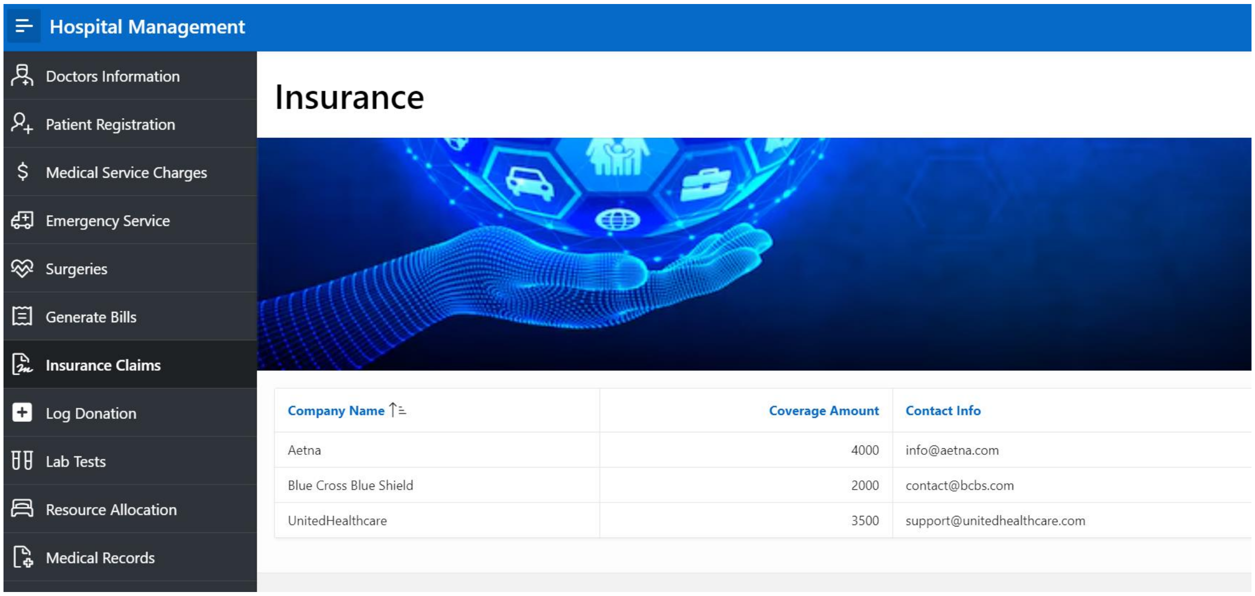
Generate Bills



Fields in the Form:

1. **Patient Name**:
    - A dropdown to select the patient's name from the list of registered patients.
    - Links the bill to the specific patient.
2. **Service Type**:
    - A dropdown to select the type of service rendered (e.g., Emergency Services, Surgery, etc.).
    - This can be linked to the **Medical Service Charges** table to fetch the cost automatically.
3. **Insurance ID**:
    - A dropdown to select the insurance details for the patient if applicable.
4. **Billing Date**:
    - A date picker to specify the date the bill is generated.
5. **Amount**:
    - Displays the total amount based on the selected service type (e.g., cost fetched from the **Medical Service Charges** table).
    - This field may be auto-populated and read-only.
6. **Payment Status**:
    - A dropdown to specify the payment status, such as **Paid**, **Pending**

INSURANCE CLAIMS



Process for Insurance Verification and Billing:

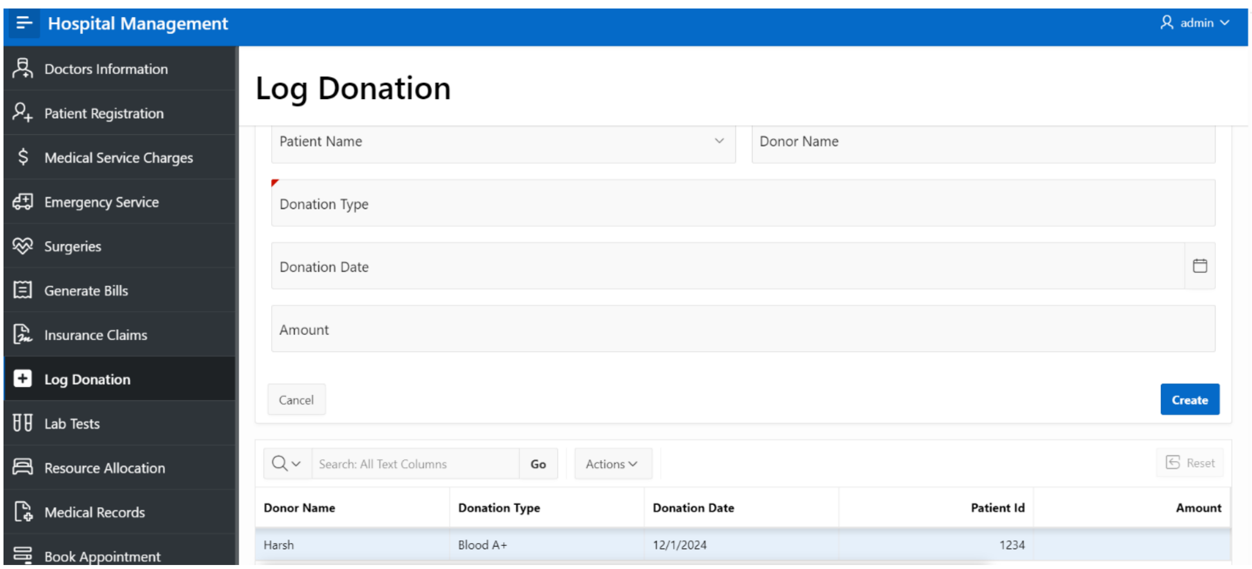
1. **Verify Patient's Insurance Status**
    - Check the hospital system or ask the patient directly if they have insurance coverage.
    - Retrieve the insurance company details, including the **Company Name**, **Coverage Amount**, and **Contact Information**, from the "Insurance Claims" section of the system.
2. **Send Verification Email**
    - Use the email address listed in the "Contact Info" column to send a verification email.
    - Wait for a confirmation email from the insurance company.
3. **Generate an Invoice**

4. **Send Invoice to the Insurance Company**
    - Email the invoice as an attachment to the insurance company's provided email address.
    - Include a clear subject and body summarizing the invoice
5. **Record the Action**

- Document the verification and invoice details in the hospital management system or manually in a log file/spreadsheet.
- Include the following:
  - Date of verification and invoice sending.
  - Patient details and service details.
  - Insurance company details.
  - Confirmation status and claim ID (if applicable).

6. **Follow Up if Necessary**
   - If payment is not received within the stipulated time, follow up with the insurance company via email or phone.

LOG DONATION



- Patient **Name** (Optional):

  Select or type the name of the patient associated with the donation (if applicable).

- **Donor Name**:

  Enter the name of the donor contributing the donation.

- **Donation Type**:

  Choose the type of donation from the dropdown (e.g., Cash, Blood, Organ, Medical Equipment, etc.).

- **Donation Date**:

  Use the date picker to select the date on which the donation was made.

- **Amount**:

  If the donation is monetary, enter the amount donated. Leave it blank if not applicable.