

ROLLNO: 1954

SUBJECT:PL305

NAME: TRUPTI TUKARAM SHETMANDREKAR

## **Project title:**

# **HOSPITAL MANAGEMENT SYSTEM**

### **Introduction:**

The project Hospital Management is developed to computerize the Front Office Management of Hospital as well as for patient.

This system includes registration of patients, storing their details into the system and also computerized billing .The software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically.it lets patient to take appointment

### **Objective:**

- Scheduling appointments for patients with doctor to make it convenient for both
- To computerize all details regarding patients and hospital
- Design a system for better patient care.
- Reduce hospital operating costs.
- The information of patient should kept up to date and should kept in system for historical purpose

“Hospital Management System” is developed to computerize the following functions that are performed by the system:

### **Admin:**

- Admin can add new doctor specialization.
- Admin can register new doctor through this system.
- Admin can register new patient through this system.
- Administrator can add new doctors in the system and can also check all the doctors list of the hospital.
- This system is keeps records of Patient's.
- Admin can issue bill
- Admin can check feedback
- Cancel the appointment if doctor is not available.
- Can cancel email and password
- View appointments details

### **Doctor:**

- Check appointments

- Cancel appointment is doctor has other appointment or doctor is not available
- Update profile
- Change password

## **Patient:**

- Register
- Book appointments
- Cancel appointment
- Give feedback to the doctor
- View list of all doctors
- View appointment details
- Manage profile
- Change password

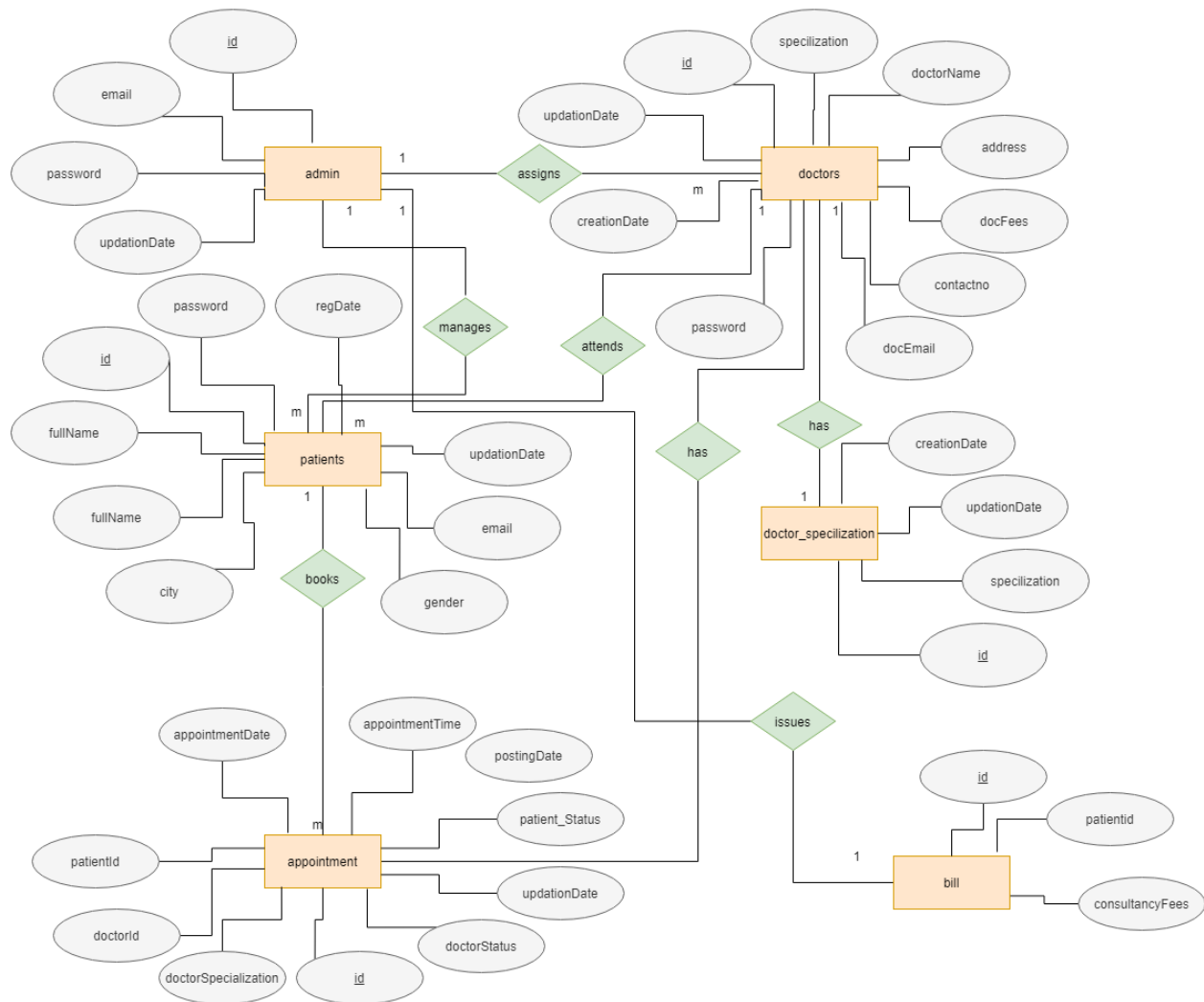
## **Requirement:**

Front end : Html ,css , javascript

Serverside script: Php

Database : MySql

## Hospital Management system



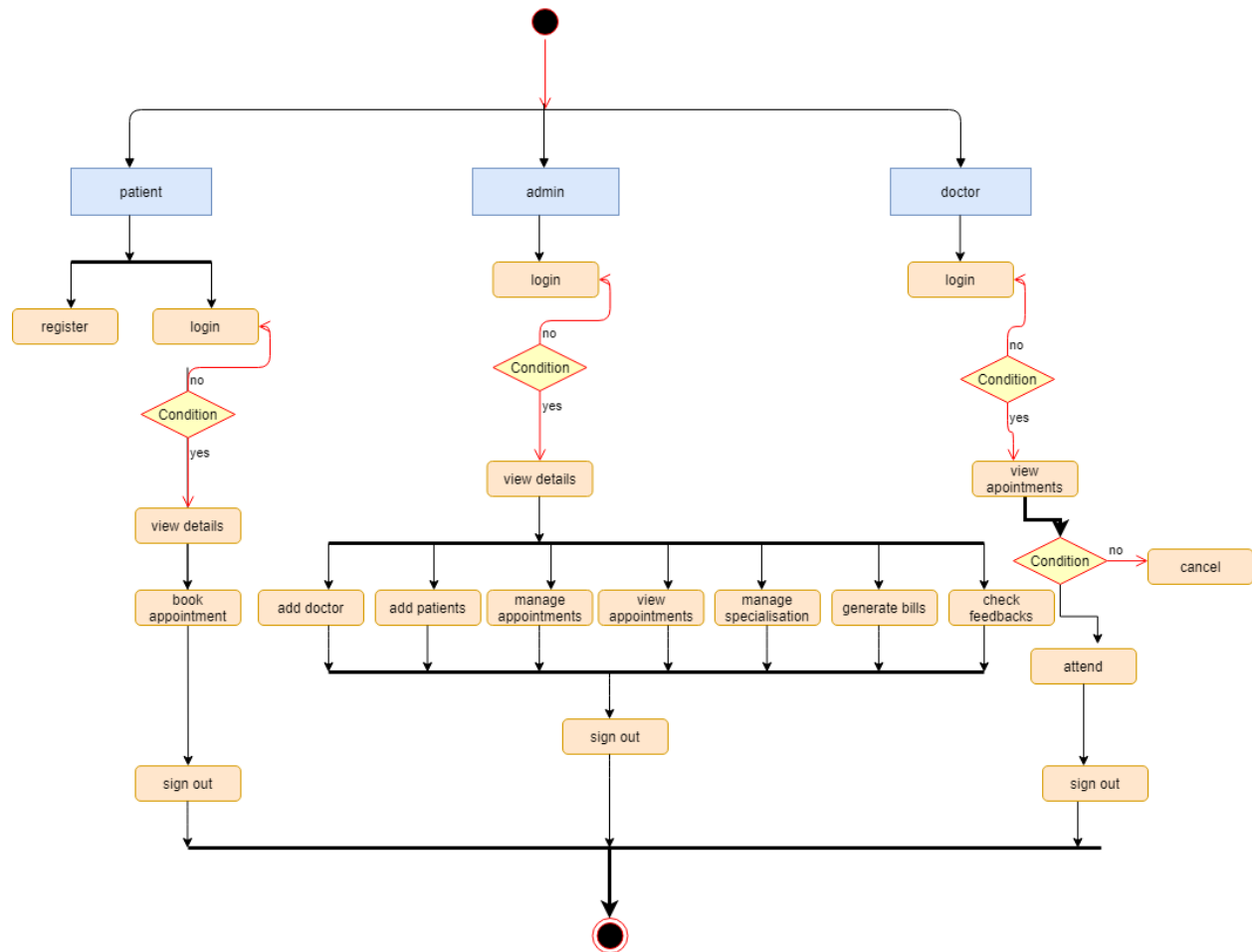
It has one more table to store feedbacks

Feedback(id, doctorname , doctorspecialization, patientname,q1,q2,q3,q4,q5,total,percentage)

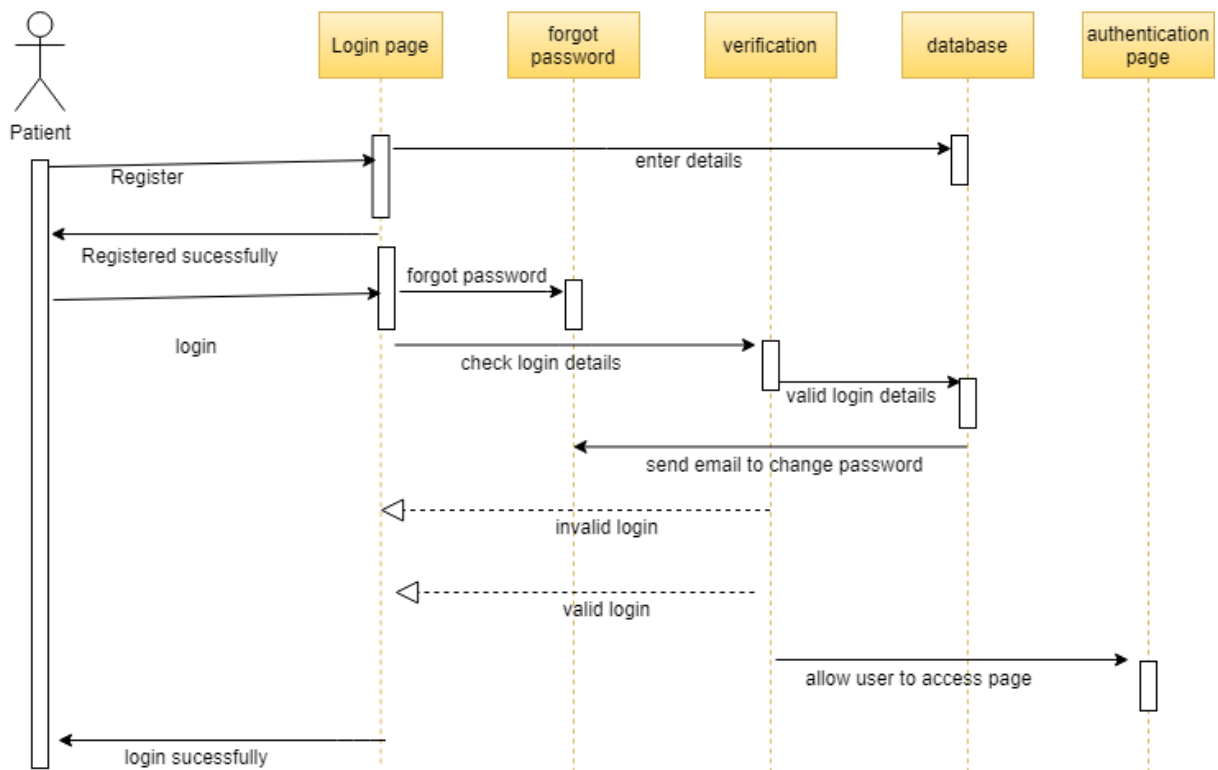
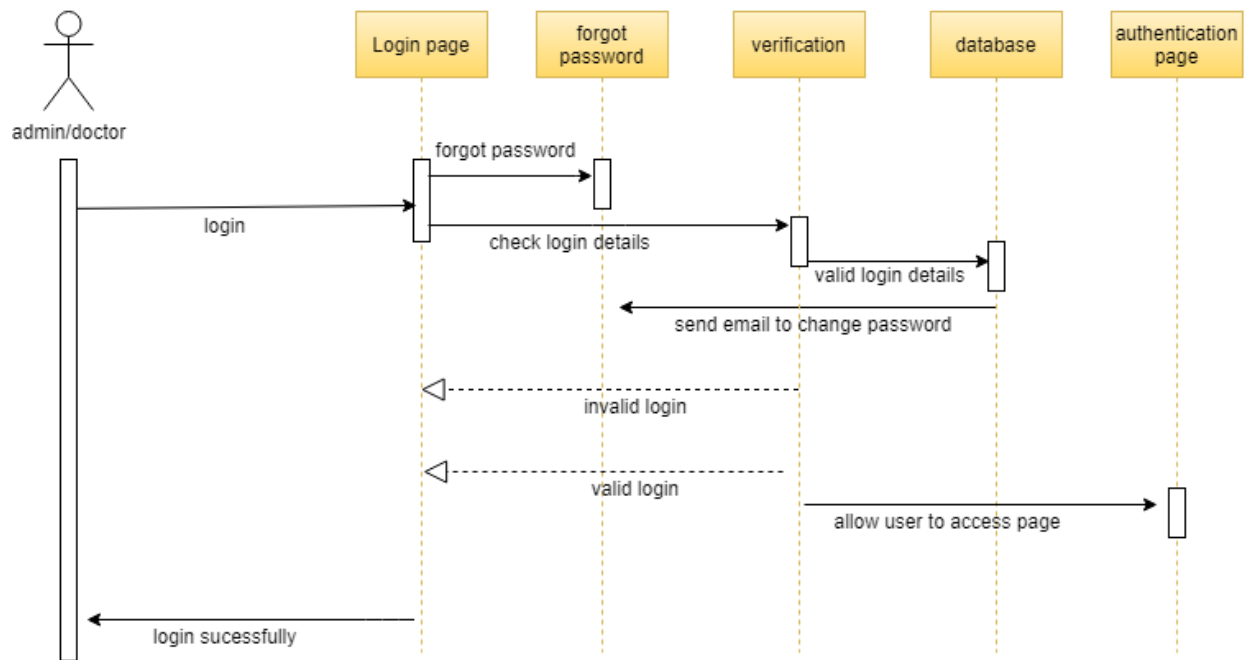
# Use-case diagram



## Activity Diagram for Hospital Management System

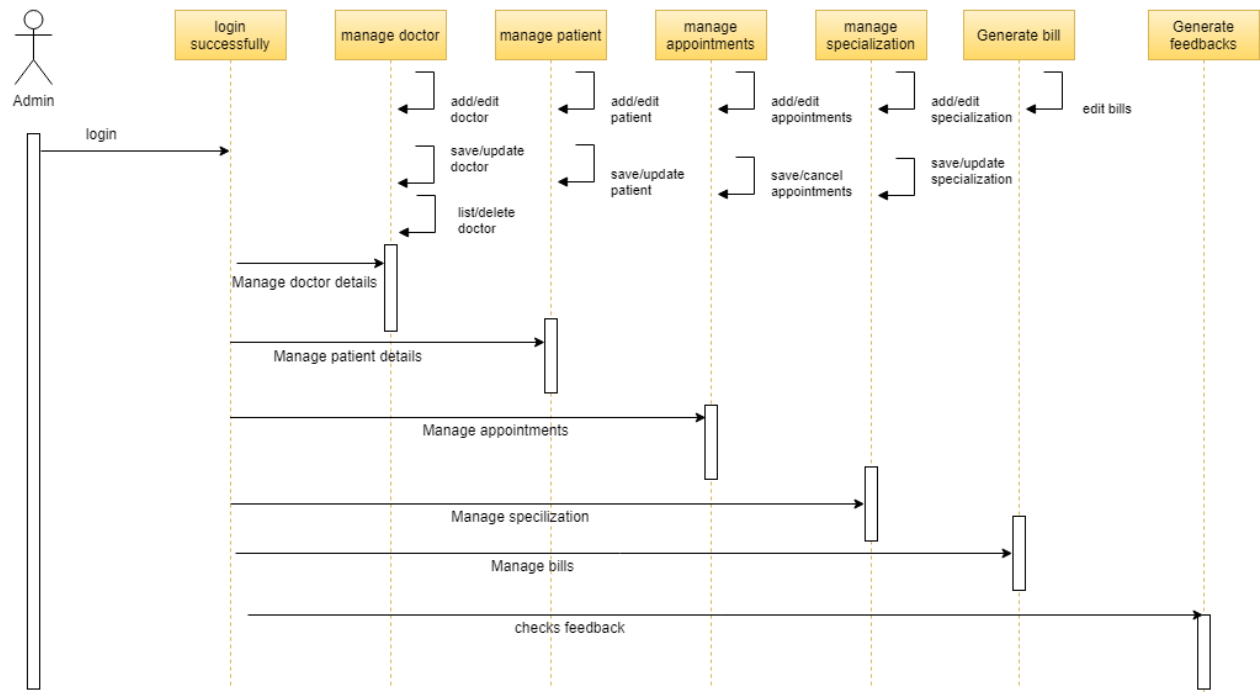


## Sequence Diagram Login/Registration Process





Sequence Diagram for Hospital Management System



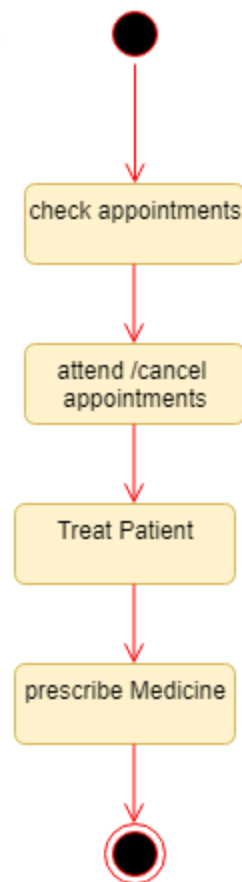
# Hospital Management System

state diagram :Patient



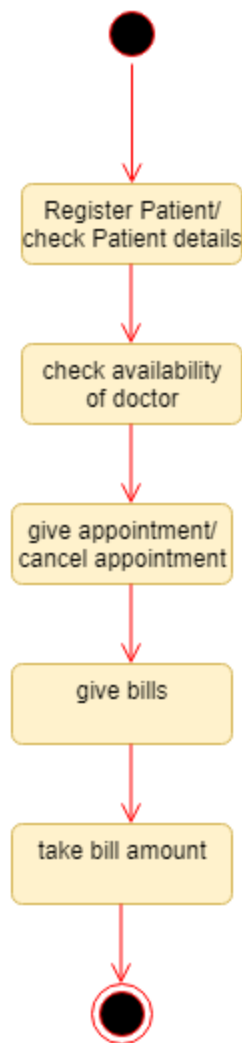
# Hospital Management System

state diagram :doctor



# Hospital Management System

state diagram :Admin



# Reports:

It will check the feedback

The screenshot shows a web application interface for a Hospital Management System. The left sidebar contains a menu with options: Dashboard, Manage Doctor, Add Doctor, Doctor Specialization, Manage Patient, add Patient, Apointment Details, Generate bills, and check feedbacks. The main content area displays a 'Feedback form' for a doctor. The form includes a 'ratings' section with the following data:

doctor id number :	1
specilization :	dentist
1. how good was the profssional with making you feel at as & assessing your medical condition :	12
2. Did you get clears answer & information :	10
3. How was your experience with the professional:	9
4. how would you rate this professional bebside manner	12
5. would you recommend this professional :	12
Total Patient :	3
Total :	55

It will generate bills for the patients

The screenshot shows a web application interface displaying a generated patient bill. The bill is titled 'Medicare Hospital bill' and includes the following details:

**Medicare Hospital bill**  
[Near HMPS mall ]  
[Panjim, Goa,467867]  
Phone [+12345678]  
Fax [+12345678]

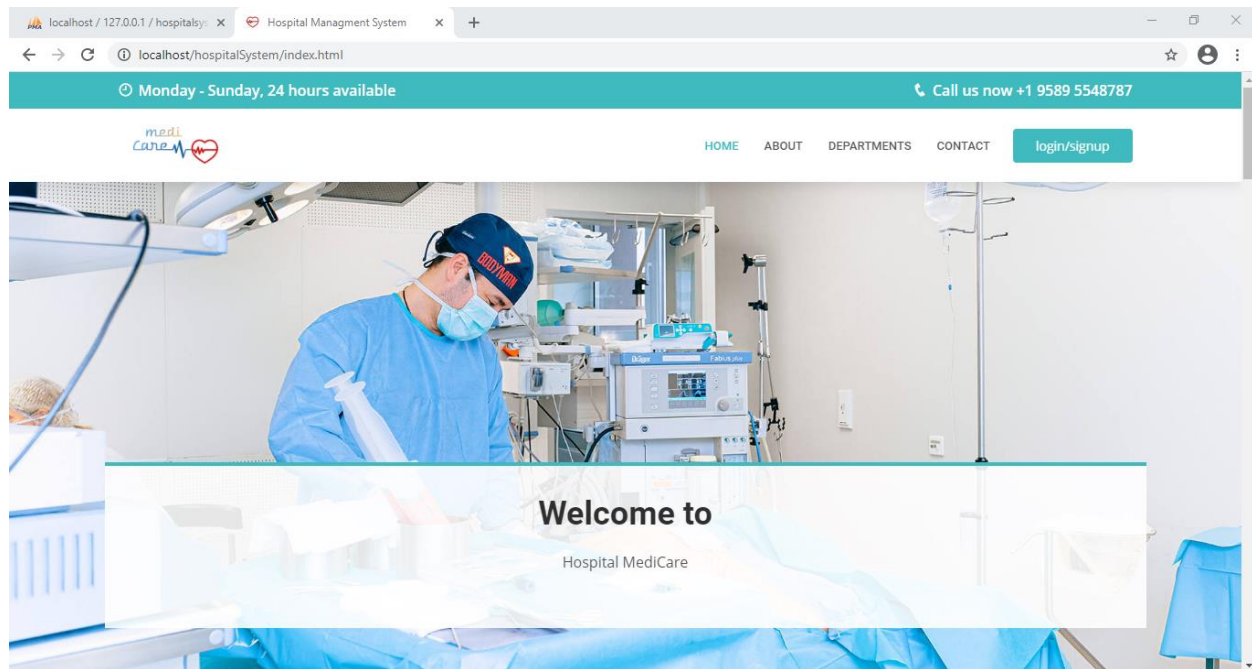
**Details**  
Date: 2020-12-20  
BillNO #: 13

Bill to:  
rita naik  
Doctor Name: ruchi sain  
Specialisation: dentist

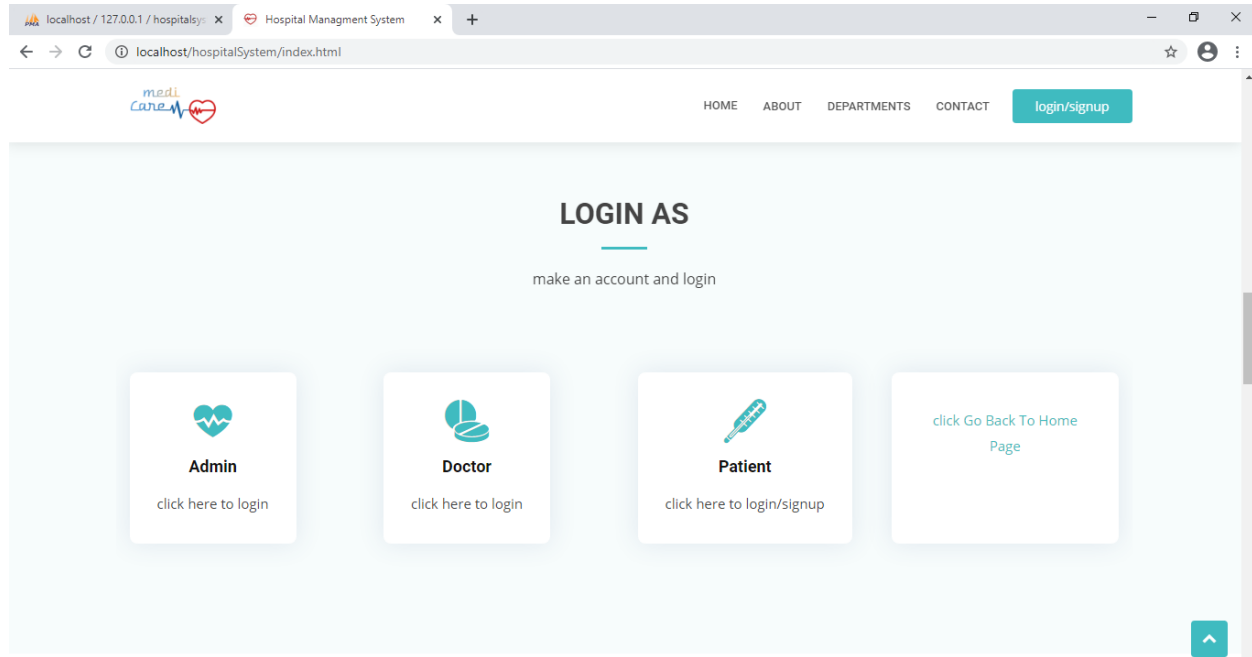
Description	Amount
Doctor Consultancy fee	1000
Hospital fee	90
lab fee	567
Total	\$ 1,657

The screenshot also shows a taskbar at the bottom with a file named 'bill.pdf' and a window titled 'wampserver3.2.3\_x...exe'.

Home page:




Login for all 3 users:



Admin login form

localhost / 127.0.0.1 / hospitalSystem / hmps/admin/



### Login

E-Mail Address

Password [Forgot Password?](#)


☐ Remember Me

Login

MediCare we care

## Admin dashboard:

localhost / 127.0.0.1 / hospitalSystem / hmps/admin/dashboard.php




- Dashboard
- Manage Doctor
- Add Doctor
- Doctor Specialization
- Manage Patient
- add Patient
- Appointment Details
- Generate bills
- check feedbacks

Admin


[/ Dashboard / Admin](#)

MANAGE DOCTORS



Total Doctors :8

MANAGE PATIENTS



Total Patients :7

APPOINTMENTS

Total Appointments :1

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## Manage doctor

The screenshot shows the 'Manage doctors' page in a Hospital Management System. The page has a sidebar with navigation links: Dashboard, Manage Doctor, Add Doctor, Doctor Specialization, Manage Patient, add Patient, Appointment Details, Generate bills, and check feedbacks. The main content area displays a table of doctors with the following data:

#	SPECIALIZATION	DOCTOR NAME	CONSULTANCY FEE	REGISTRATION DATE	ACTION
1.	Dentist	sai naik	500	2020-11-26 06:25:37	⋮
2.	heart	Raj jain	600	2020-11-20 12:21:51	⋮
3.	skin	rahen	700	2020-12-12 16:42:39	⋮
4.	Gynecologist/Obstetrician	riyan	450	2020-12-12 16:45:35	⋮
5.	skin	sanjana	450	2020-12-20 03:28:53	⋮
6.	heart	rucha naik	1000		⋮

A context menu is open over the third row (Dr. rahen), showing the following options:

- Edit Doctor-info
- Delete

## Edit doctor details:

The screenshot shows the 'Edit doctor details' page in a Hospital Management System. The page has a sidebar with navigation links: Dashboard, Manage Doctor, Add Doctor, Doctor Specialization, Manage Patient, add Patient, Appointment Details, Generate bills, and check feedbacks. The main content area displays a form for editing doctor information with the following fields:

- Add Doctor
- Doctor Specialization: heart
- Doctor Name: Raj jain
- Doctor Clinic Address: panjim goa
- Doctor Consultancy Fees: 600
- Doctor Contact no: 99777647
- Doctor Email: raj@gmail.com



## Add doctor:

The screenshot shows the 'Add Doctor' form in the Hospital Management System. The form is titled 'Add Doctor' and is located in the 'Admin' section. It contains the following fields:

- Doctor Specialization: A dropdown menu with the option 'Select Specialization'.
- Doctor Name: A text input field with the placeholder 'Enter Doctor Name'.
- Doctor Clinic Address: A text input field with the placeholder 'Enter Doctor Clinic Address'.
- Doctor Consultancy Fees: A text input field with the placeholder 'Enter Doctor Consultancy Fees'.

The form is displayed in a modal window over a blue background. The left sidebar contains a menu with the following items: Dashboard, Manage Doctor, Add Doctor, Doctor Specialization, Manage Patient, add Patient, Appointment Details, Generate bills, and check feedbacks. The top right corner shows the user 'Admin'.

## Add new specialization:

The screenshot shows the 'Add specialization' form in the Hospital Management System. The form is titled 'Add specialization' and is located in the 'Admin' section. It contains the following fields:

- Doctor Specialization: A text input field with the placeholder 'Enter Doctor Specialization'.
- Submit: A blue button.

Below the form is a table with the following data:

#	SPECIALIZATION	CREATION DATE	UPDATED DATE	ACTION
1.	Gynecologist/Obstetrician	2020-11-20 12:07:25		
2.	dentist	2020-12-03 18:24:28		
3.	heart	2020-12-12 16:34:02		
4.	eye specialist	2020-12-20 03:30:14		

The form is displayed in a modal window over a blue background. The left sidebar contains a menu with the following items: Dashboard, Manage Doctor, Add Doctor, Doctor Specialization, Manage Patient, add Patient, Appointment Details, Generate bills, and check feedbacks. The top right corner shows the user 'Admin'.

## Manage patient

localhost / 127.0.0.1 / hospitalsys: x Hospital Management System x +

localhost/hospitalSystem/hmps/admin/manage\_patients.php

Admin

Dashboard / Admin

### Manage Patients

See all

#	FULL NAME	ADRESS	CITY	GENDER	EMAIL	CREATION DATE	UPDATION DATE
1.	trupti sht	mandrm	pndrsm	female	truptism2398@gmail.com	2020-12-13 17:51:06	
2.	niki jain	mandrm	pndrsm	female	niki@gmail.com	2020-12-20 03:15:37	
3.	saina naik	mandrm	pndrsm	female	saina@gmail.com	2020-12-20 03:37:27	
4.	sanjana shet	gudi	ponda	female	sanjana@gmail.com	2020-12-20 03:53:10	

## Add patient:

localhost / 127.0.0.1 / hospitalsys: x Hospital Management System x +

localhost/hospitalSystem/hmps/admin/add\_patients.php

Admin

Dashboard / Admin

### Register

Enter your Patient personal details below:

Full Name

Address

City

Gender

☐ Female ☐ Male ☐ Other

Enter Patient account details below:

## Appointment details:

The screenshot shows the 'Appointment Details' page in the Hospital Management System Admin interface. The page has a blue header with the 'Admin' label and a breadcrumb trail 'Dashboard / Admin'. A sidebar on the left contains a menu with items: Dashboard, Manage Doctor, Add Doctor, Doctor Specialization, Manage Patient, add Patient, Appointment Details (active), Generate bills, and check feedbacks. The main content area displays a table titled 'Appointments' with a 'See all' button. The table has columns: #, DOCTOR NAME, SPECIALIZATION, PATIENT NAME, CONSULTANCY FEE, APPOINTMENT DATE / TIME, and APPOINTMENT CREATION DATE. A single row is visible with the following data: 1., ruchi sain, dentist, rita naik, 0, 2020-12-14 / 19:25, 2020-12-20 05:24:52. The footer includes '© 2020 MediCare' and 'MediCare we Care'.

#	DOCTOR NAME	SPECIALIZATION	PATIENT NAME	CONSULTANCY FEE	APPOINTMENT DATE / TIME	APPOINTMENT CREATION DATE
1.	ruchi sain	dentist	rita naik	0	2020-12-14 / 19:25	2020-12-20 05:24:52

## Generate bills:

The screenshot shows the 'Generate Bills' form in the Hospital Management System Admin interface. The page has a blue header with the 'Admin' label and a breadcrumb trail 'Dashboard / Admin'. A sidebar on the left contains a menu with items: Dashboard, Manage Doctor, Add Doctor, Doctor Specialization, Manage Patient, add Patient, Appointment Details, Generate bills (active), and check feedbacks. The main content area displays a form titled 'Generate Bills' with the following fields: PatientId (27), PatientName (rita naik), Doctor Specialization (dentist), DoctorId (26), and Doctor Name (ruchi sain).

Generate Bills

PatientId

27

PatientName

rita naik

Doctor Specialization

dentist

DoctorId

26

Doctor Name

ruchi sain

## Bill pdf generation & download:

The screenshot shows a web browser window with two tabs: 'localhost / 127.0.0.1 / hospitalSystem' and 'pdf.php'. The address bar shows the URL 'localhost/hospitalSystem/hmps/admin/pdf.php'. The main content area displays a PDF of a Medicare Hospital bill. The bill is titled 'Medicare Hospital bill' and includes the following details:

**Medicare Hospital bill**  
[Near HMPS mall ]  
[Panjim, Goa 467867]  
Phone [+12345678]  
Fax [+12345678]

**Details**  
Date: 2020-12-20  
BillNO #: 13

Bill to:  
rita naik  
Doctor Name: ruchi sain  
Specialisation: dentist

Description	Amount
Doctor Consultancy fee	1000
Hospital fee	90
lab fee	567
Total	\$ 1,657

The taskbar at the bottom shows a file named 'bill.pdf' and a process named 'wampserver3.2.3\_xc...exe' which is cancelled. A 'Show all' button is visible in the bottom right corner of the taskbar.

## Check Feedback form of particular doctor:

The screenshot shows a web browser window with two tabs: 'localhost / 127.0.0.1 / hospitalSystem' and 'Hospital Management System'. The address bar shows the URL 'localhost/hospitalSystem/hmps/admin/feedback.php'. The main content area displays a feedback form titled 'Feedback form'. The form includes the following fields:

Enter doctor details below:

Doctor Specialization:

Doctors:

submit

The left sidebar contains a menu with the following items: Dashboard, Manage Doctor, Add Doctor, Doctor Specialization, Manage Patient, add Patient, Appointment Details, Generate bills, and check feedbacks. The bottom right corner of the page shows the text 'MediCare we Care'.

## Feedbacks:

The screenshot shows a web browser window with the URL `localhost/hospitalSystem/hmps/admin/feedback_step_2.php`. The page has a blue header with the "MediCare" logo and a sidebar on the left with navigation links: Dashboard, Manage Doctor, Add Doctor, Doctor Specialization, Manage Patient, add Patient, Apointment Details, Generate bills, and check feedbacks. The main content area is titled "Feedback form" and "ratings". It displays a form with the following data:

doctor id number :	1
specilization :	dentist
1. how good was the profssional with making you feel at as & assessing your medical condition :	12
2. Did you get clears answer & information :	10
3. How was your experience with the professional:	9
4. how would you rate this professional bebside manner	12
5. would you recommend this professional :	12
Total Patient :	3
Total :	55

## Edit details:

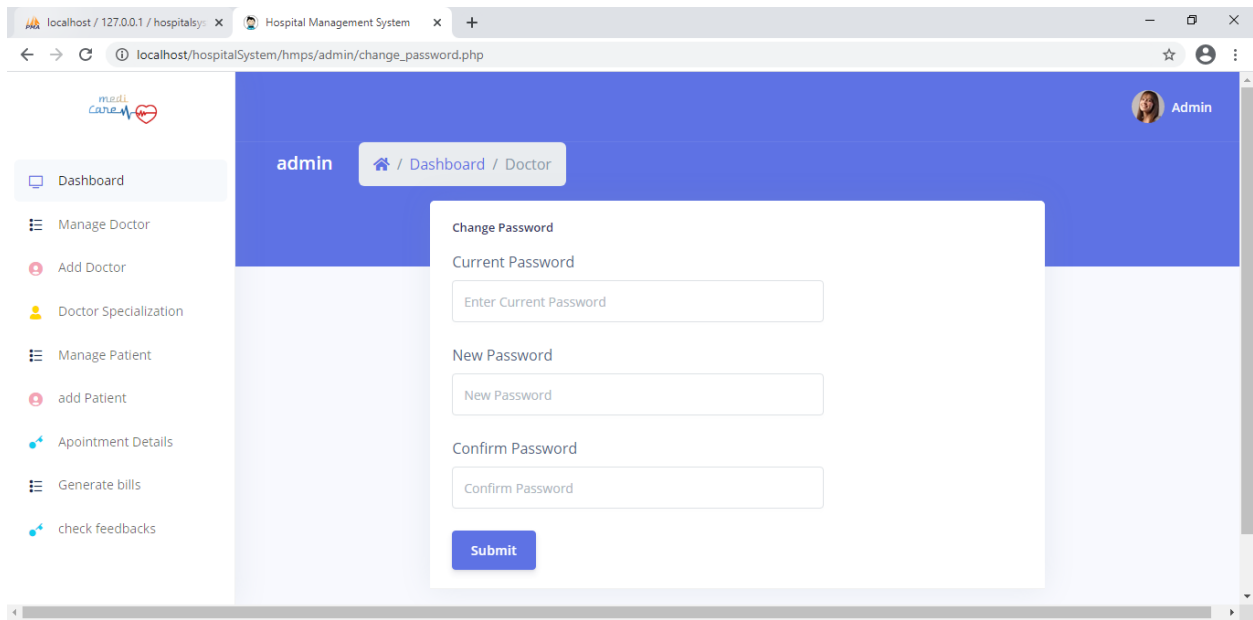
The screenshot shows a web browser window with the URL `localhost/hospitalSystem/hmps/admin/edit_profile.php`. The page has a blue header with the "MediCare" logo and a sidebar on the left with navigation links: Dashboard, Manage Doctor, Add Doctor, Doctor Specialization, Manage Patient, add Patient, Apointment Details, Generate bills, and check feedbacks. The main content area is titled "Admin" and "Edit Profile". It displays a form with the following data:

Email	admin@gmail.com
-------	-----------------

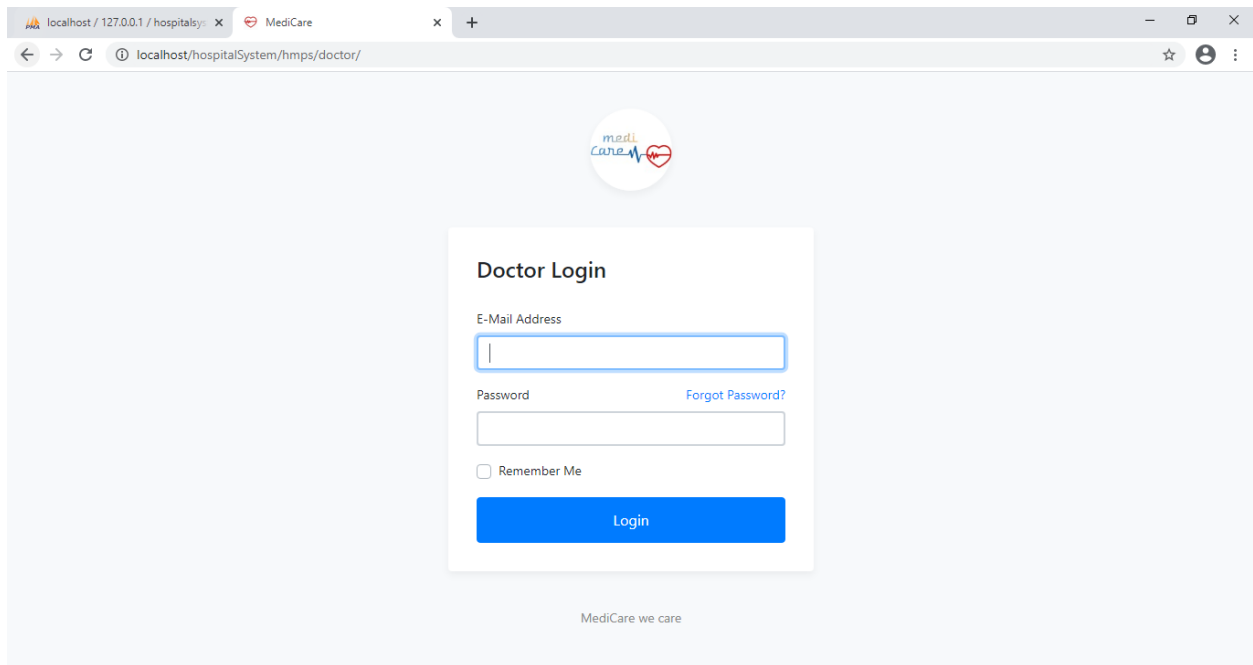
There is a blue "Update" button below the form. In the top right corner, there is a user profile dropdown menu with the following options:

- WELCOME!
- My profile
- Change Password
- Logout

## Change password:



## Doctor login form:



## Doctor dashboard:

The screenshot shows a web browser window with the URL `localhost/hospitalSystem/hmps/doctor/dashboard.php`. The page has a blue header with the user's name "ruchi sain" and a breadcrumb trail "Dashboard / Doctor". A sidebar on the left contains the "MediCare" logo and three menu items: "Dashboard", "Manage Profile", and "check Appointment". The main content area features a white card titled "APPOINTMENTS" with a button labeled "Check Appointments". The footer includes the copyright notice "© 2020 MediCare" and a navigation bar with "MediCare", "we", and "Care".

## Check appointment:

The screenshot shows the "Check Appointment" page with the URL `localhost/hospitalSystem/hmps/doctor/appointment_details.php`. The layout is consistent with the dashboard, but the main content area displays a table of appointments. The table has seven columns: "#", "DOCTOR NAME", "SPECIALIZATION", "PATIENT NAME", "CONSULTANCY FEE", "APPOINTMENT DATE / TIME", and "APPOINTMENT CREATION DATE". A single appointment is listed with the following details: ID 1, Doctor Name "ruchi sain", Specialization "dentist", Patient Name "rita naik", Consultancy Fee "0", Appointment Date/Time "2020-12-14 / 19:25", and Appointment Creation Date "2020-12-20 05:24:52". The footer and sidebar remain the same as in the dashboard view.

#	DOCTOR NAME	SPECIALIZATION	PATIENT NAME	CONSULTANCY FEE	APPOINTMENT DATE / TIME	APPOINTMENT CREATION DATE
1.	ruchi sain	dentist	rita naik	0	2020-12-14 / 19:25	2020-12-20 05:24:52

## Manage profile:

The screenshot shows a web browser window with the URL `localhost/hospitalSystem/hmps/doctor/edit_profile.php`. The page has a blue header with the user's name 'ruchi sain' and a profile picture. A left sidebar contains a menu with 'Dashboard', 'Manage Profile', and 'check Apointment'. The main content area displays the 'Edit Profile' form with the following fields:

- Doctor Specialization:** A dropdown menu with 'dentist' selected.
- Doctor Name:** A text input field containing 'ruchi sain'.
- Ward address:** A text input field containing 'ward 17'.
- Doctor Consultancy Fees:** A text input field containing '1000'.
- Doctor Contact no:** A text input field (empty).

## Change password:

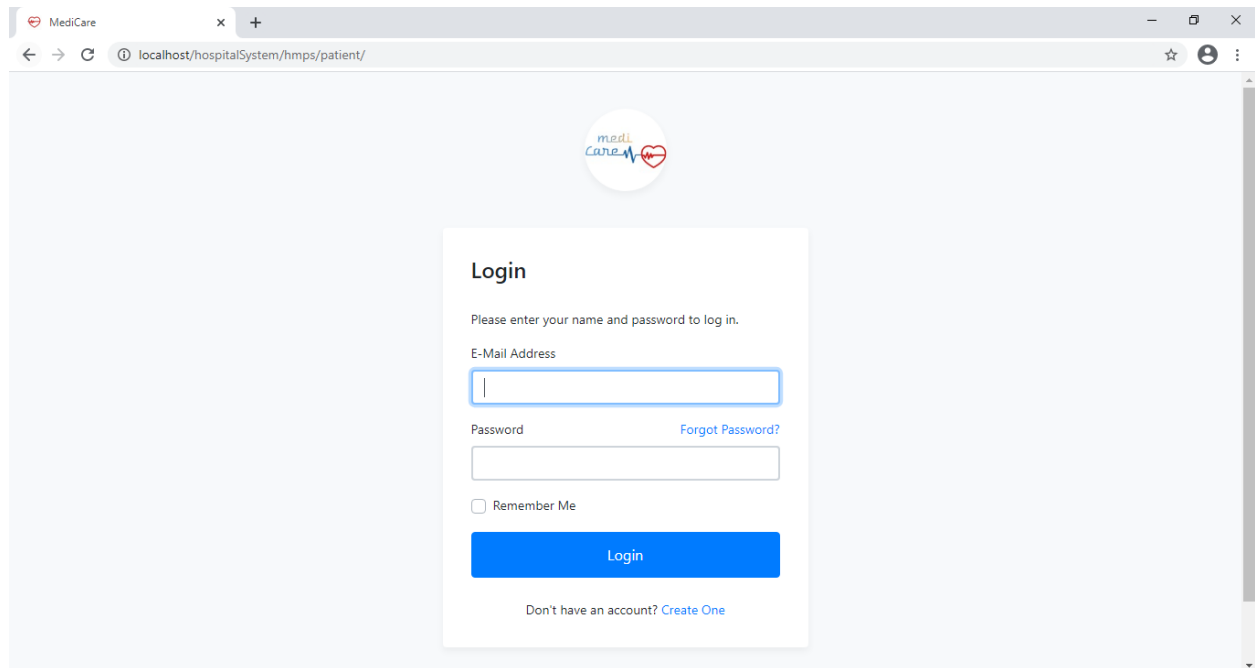
The screenshot shows a web browser window with the URL `localhost/hospitalSystem/hmps/doctor/change_password.php`. The page layout is identical to the previous one. The 'Change Password' form is displayed with the following fields:

- Current Password:** A text input field with the placeholder 'Enter Current Password'.
- New Password:** A text input field with the placeholder 'New Password'.
- Confirm Password:** A text input field with the placeholder 'Confirm Password'.
- Submit:** A blue button at the bottom of the form.

A red message 'Password Changed Successfully !!' is displayed above the 'Current Password' field.



## Patient login:



The screenshot shows a web browser window with the address bar displaying "localhost/hospitalSystem/hmps/patient/". The page features a circular logo at the top center with the text "medi Care" and a heart icon. Below the logo is a "Login" form. The form includes a heading "Login", a subheading "Please enter your name and password to log in.", and two input fields: "E-Mail Address" and "Password". A "Forgot Password?" link is positioned to the right of the password field. Below the password field is a checkbox labeled "Remember Me". A blue "Login" button is located at the bottom of the form. At the very bottom of the form, there is a link that says "Don't have an account? Create One".

medi Care

### Login

Please enter your name and password to log in.

E-Mail Address

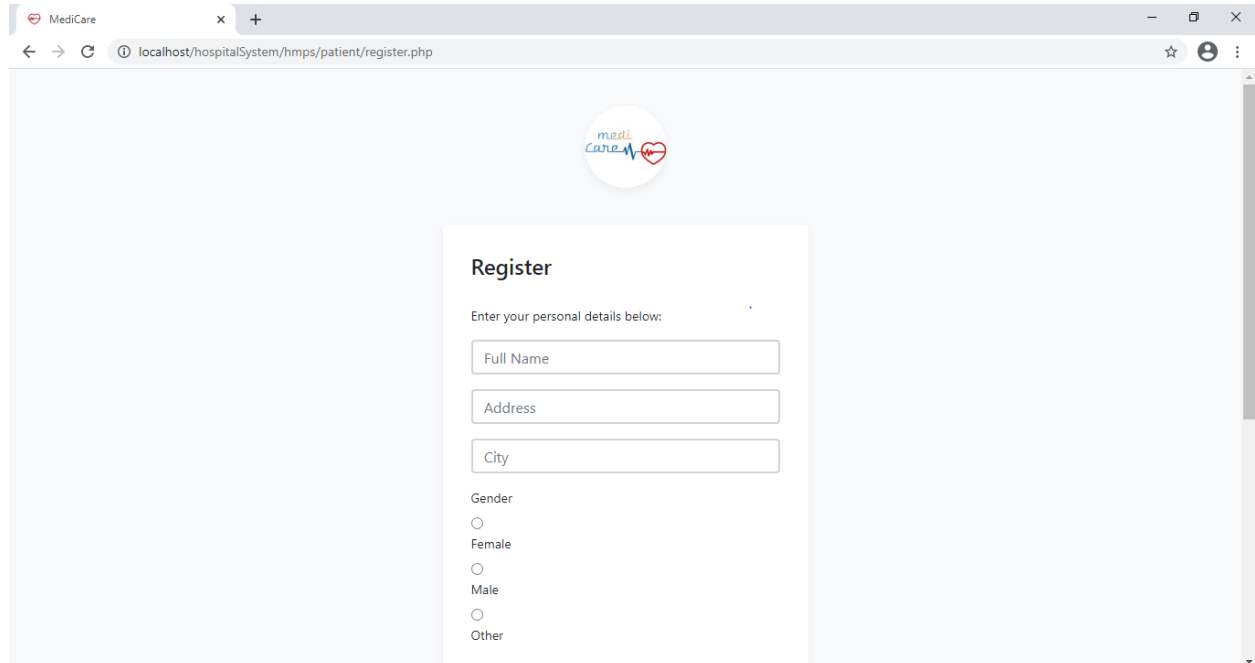
Password [Forgot Password?](#)

☐ Remember Me

Login

Don't have an account? [Create One](#)

## Patient registration form :



The screenshot shows a web browser window with the address bar displaying "localhost/hospitalSystem/hmps/patient/register.php". The page features a circular logo at the top center with the text "medi Care" and a heart icon. Below the logo is a "Register" form. The form includes a heading "Register", a subheading "Enter your personal details below:", and three input fields: "Full Name", "Address", and "City". Below the "City" field is a "Gender" section with three radio button options: "Female", "Male", and "Other".

medi Care

### Register

Enter your personal details below:

Full Name

Address

City

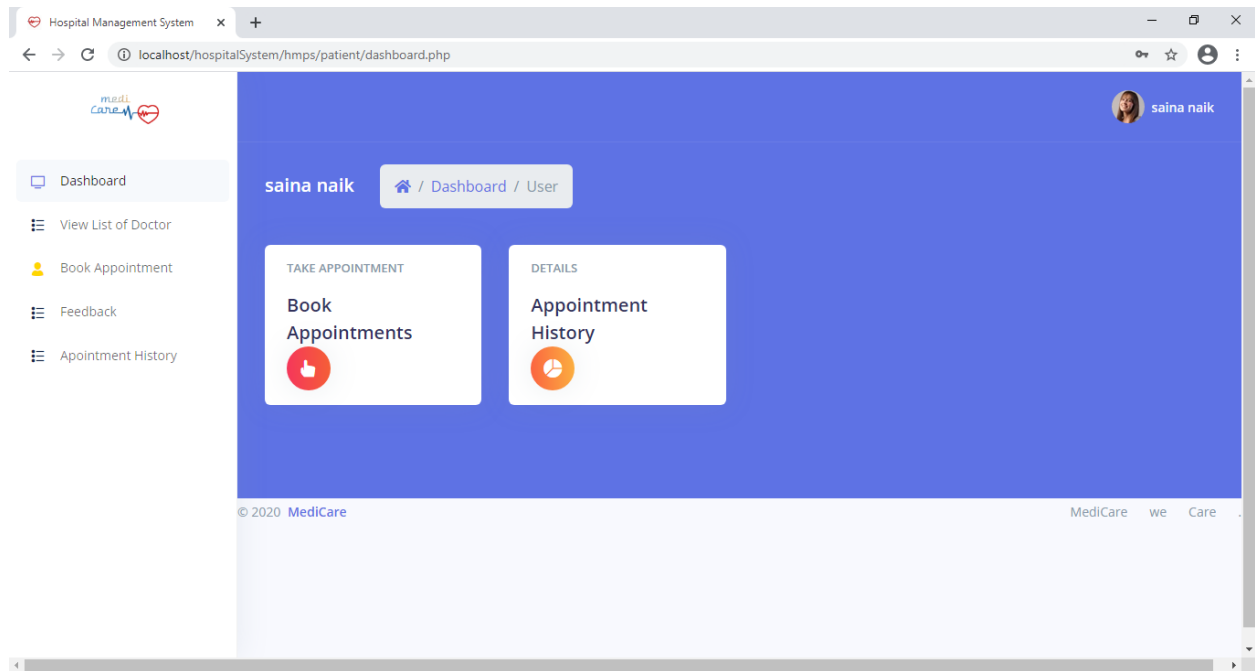
Gender

☐ Female

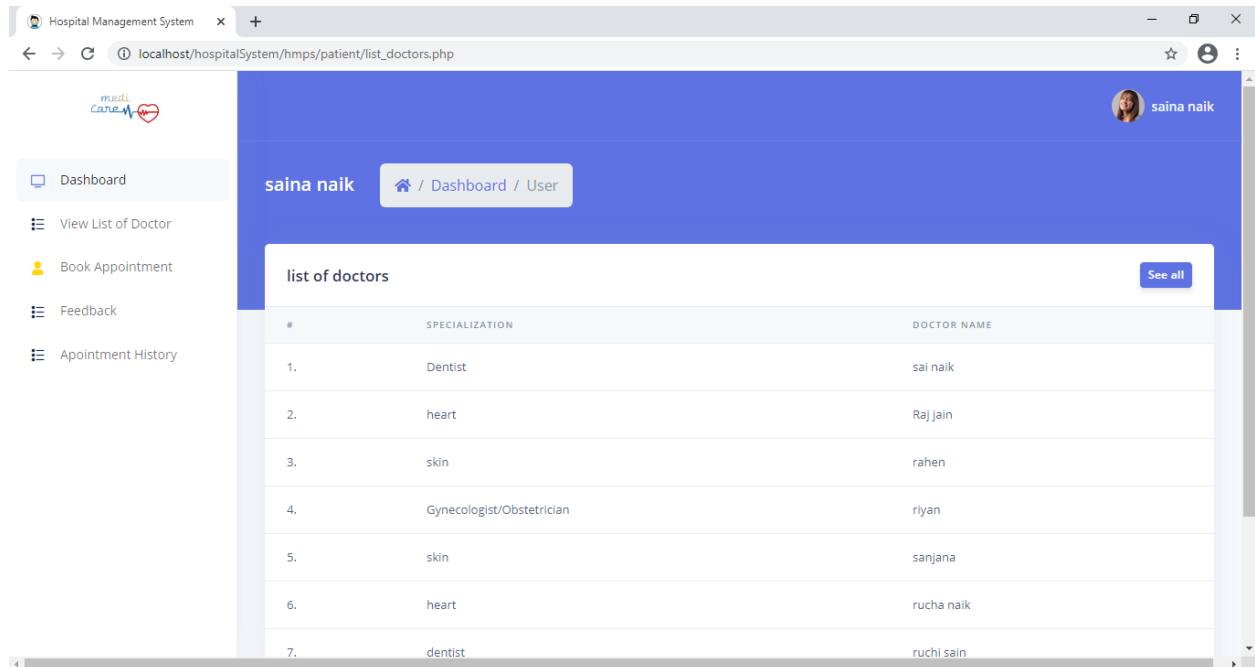
☐ Male

☐ Other

## Patient dashboard:



## List of all doctors present:



## Book appointments:

The screenshot shows a web browser window with the URL `localhost/hospitalSystem/hmps/patient/bookappointment.php`. The page has a blue header with the user's name 'saina naik' and a profile picture. A left sidebar contains navigation links: 'Dashboard', 'View List of Doctor', 'Book Appointment', 'Feedback', and 'Appointment History'. The main content area displays a 'Book Appointment' form with the following fields:

- Doctor Specialization:** A dropdown menu with 'heart' selected.
- Doctors:** A dropdown menu with 'Raj jain' selected.
- Consultancy Fees:** A dropdown menu that is currently empty.
- Date:** A text input field containing '12/24/2020' and a calendar icon.

## Appointment history:

The screenshot shows a web browser window with the URL `localhost/hospitalSystem/hmps/patient/Appointment_details.php`. The page layout is identical to the previous one, but the main content area displays an 'Appointments' table. The table has the following columns: '#', 'DOCTOR NAME', 'SPECIALIZATION', 'CONSULTANCY FEE', 'APPOINTMENT DATE / TIME', 'APPOINTMENT CREATION DATE', and 'CURRENT STA'. There is one row of data:

#	DOCTOR NAME	SPECIALIZATION	CONSULTANCY FEE	APPOINTMENT DATE / TIME	APPOINTMENT CREATION DATE	CURRENT STA
1.	Raj jain	heart	0	2020-12-24 / 12:44	2020-12-20 11:44:03	Active

At the bottom of the page, there is a footer with the text '© 2020 MediCare' on the left and 'MediCare we Care' on the right.

## Feedback form:

Hospital Management System

localhost/hospitalSystem/hmps/patient/feedback.php

MediCare we Care

Feedback form

Enter doctor details below:

Doctor Specialization

heart

Doctors

Raj jain

Patient Name

saina naik

submit

Hospital Management System

localhost/hospitalSystem/hmps/patient/feedback\_step\_2.php

MediCare we Care

Specialization :  
heart

Patient Name :  
saina naik

1. how good was the professional with making you feel at as & assessing your medical condition :  
☐ Poor ☐ Fair ☐ Good ☐ Very Good ☒ Excellent

2. Did you get clear answer & information :  
☐ Poor ☐ Fair ☐ Good ☒ Very Good ☐ Excellent

3. How was your experience with the professional:  
☐ Poor ☐ Fair ☐ Good ☒ Very Good ☐ Excellent

4. how would you rate this professional bedside manner :  
☐ Poor ☐ Fair ☐ Good ☒ Very Good ☐ Excellent

## Edit profile:

The screenshot displays a web browser window with the address bar showing `localhost/hospitalSystem/hmps/patient/edit_profile.php`. The application has a blue header with the user's name 'saina naik' and a navigation menu on the left. The main content area is titled 'Edit Profile' and contains several text input fields for updating the user's information.

**Header:** saina naik | / Dashboard / Doctor

**Left Sidebar:**

- Dashboard
- View List of Doctor
- Book Appointment
- Feedback
- Appointment History

**Edit Profile Form:**

- Patient Name:** saina naik
- Address:** mandrm
- City:** pndrsm
- Gender:** female
- Email:** (field is empty)

**User Menu (Top Right):**

- WELCOME!
- My profile
- Change Password
- Logout