

HOSPITAL MANAGEMENT SYSTEM

-----BY **RAHUL RATHOD** (IIT Indore)

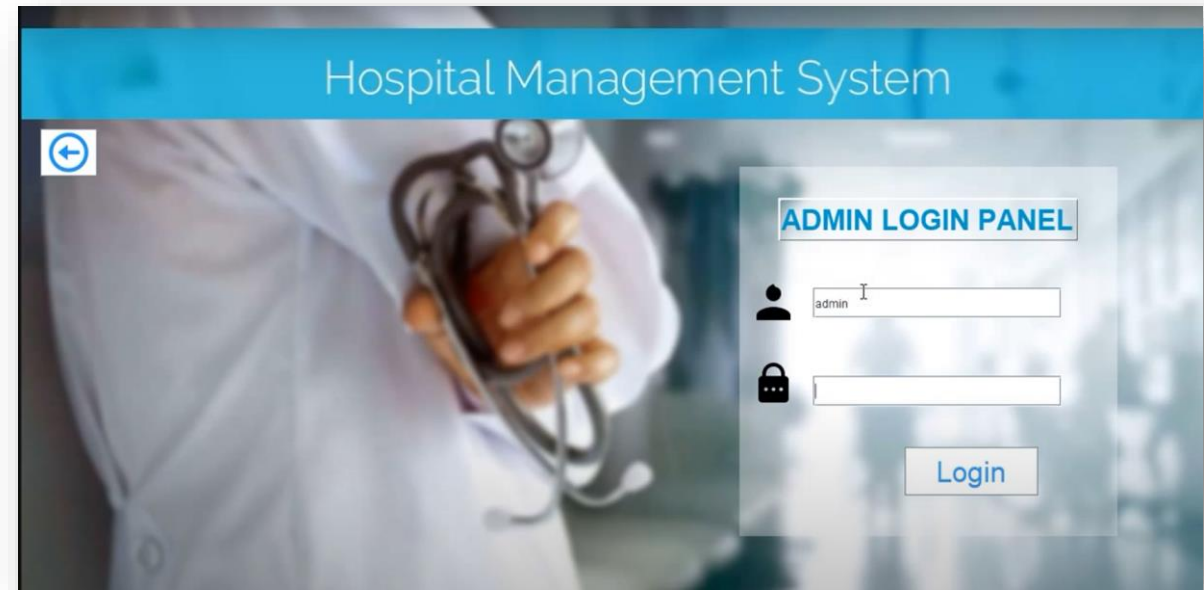
(UNDER THE COURSE COORDINATOR –*MRS.ARUNA TIWARI*)

- Today I'm going to show my hospital management system which I have did as a mini project from our teachers....
- Here I'm Going to the working of this (HMS) management system which I have made for my semester project
- Software used for this project is/are...
 - *Netbeans java ide for the code*
 - *Mysql workbench as a database*
 - *Some photos for the background*
- ❖ THE ADMIN can login and can see the following and also he do edits because he has the administration on this management system software.

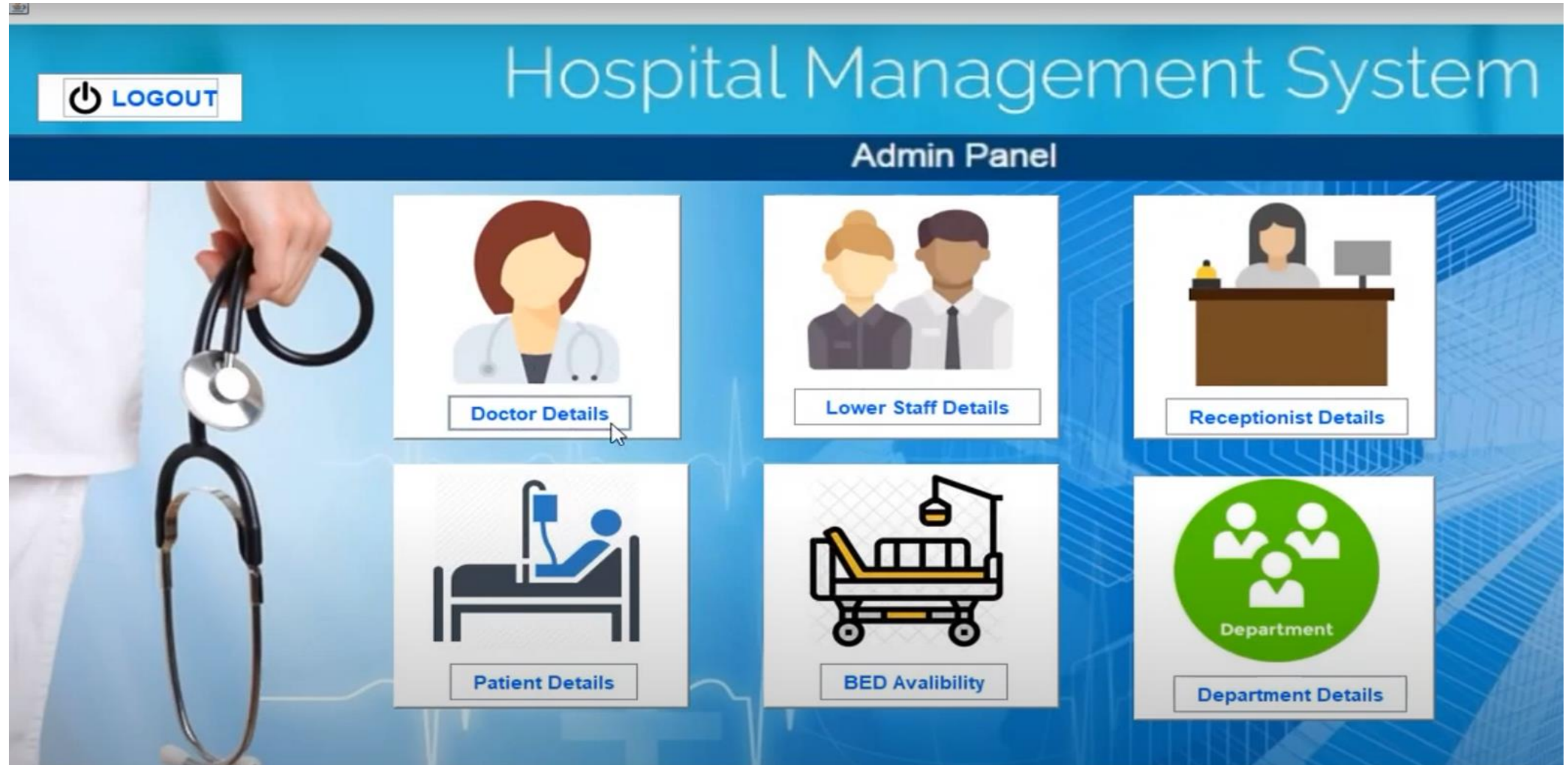
1. INDEX (starting page of HMS)



2. ADMIN LOGIN



3. ADMIN PANEL (after the admin login this is the front page which has the all controls of the system through which admin can make the changes in the data of the system)




4. ADD DOCTOR


- ✓ After the entry of admin to the admin panel as you can see there are a lot of changes that admin can do from these one of is
- ✓ ADDING OF DOCTORS he can add details of appointed doctors and provide USERNAME AND PASSWORD
- ✓ As you can see in the image above there are some more features are there as UPDATE , SEARCH , DELETE AND VIEW DOCTOR .
- ✓ These can help in updating the details provided by the doctor on time to time , he can also fire a doctor by deleting ,searching also helpful and he can able to keep records and watch their details whenever he wants.

The screenshot displays a web application interface for adding doctors. At the top, there is a navigation bar with icons and labels for 'Add Doctors', 'Delete Doctors', 'Search Doctors', 'Update Doctors', and 'View Doctors'. The main heading 'ADD Doctors' is prominently displayed in a blue banner. To the left of the form is a small icon of a female doctor. The form itself is organized into several sections. The top section contains a 'Doctor ID' field and two buttons: 'ADD Doctor' (with a user icon) and 'CLEAR'. Below this, the form is divided into two columns. The left column includes fields for 'First Name', 'Age', 'Gender' (a dropdown menu), 'Address', 'CNIC', 'Marital Status' (a dropdown menu), 'Joining Date', and 'Visit Timing'. The right column includes fields for 'Second Name', 'Blood Group' (a dropdown menu), 'Department' (a dropdown menu), 'Phone No.', 'City', 'Leaving Date', and 'Days'. To the right of these columns is a large rectangular area for uploading a profile picture, with a 'Browse' button below it. At the bottom right, there are fields for 'Username' and 'Password'. The entire form is set against a light gray background with a subtle shadow effect.

Add Doctors
Delete Doctors
Search Doctors
Update Doctors
View Doctors




VIEW DOCTORS





Search

D_id	firstname	secondna...	age	bloodgroup	gender	specializat...	address	cnic	phoneno	maritalsta...	city	joiningdate	leavingdate	username	password	doctorphoto	timing	days
DR-001	DR	ASFI	26	B+	Male	Orthopaed...	P/25 Jhel...	42501-99...	30636198	Single	Jhelum	11/06/2012	Still Working	drasfi	asfi	[B@5f179...		
DR-002	DR	FARWA	28	B+	Female	Neurology	BackSide ...	42501-06...	30636106	Married	KARACHI	02/03/2019	STILL WO...	drfarwa	farwa	[B@4b9ba...		
DR-003	DR	Areesha	23	B+	Female	Nutrition a...	Shakhi Ha...	42501-99...	33689755	Single	Karachi	11/02/2012	Still Working	drareesha	areesha	[B@3d6a8...		
DR-004	DR	Adil	26	B+	Male	Radiother...	B-493 Gul...	42501-99...	21347109	Married		30/02/2009	Still Working	dradil	adil	[B@1e629...		
DR-005	DR	AYESHA	29	B-	Female	Orthopaed...	Malir Kara...	42501-44...	333215478	Married	Karachi	11/09/2018	Still Working	drayesha	ayesha	[B@5aee5...	03:00 PM-...	Mon-Wed
DR-006	DR	ASIM	23	A+	Male	CARDIOL...	NORTH	34254436...	343535	Married	KARACHI	12/12/2019	STILL WO...	ASIM	ASIM	[B@55fce...	4:00	MON-WED
DR-012	Muhammad	Asif	20	B+	Male	Neurology	Shaki Has...	42501-56...	35655	Single	Karachi	05/04/1999	Working	asfi1	asif	[B@4d01e...	05:00	Mon-Wed
DR-020	Muhammad	Asif	20	A-	Male	Accident a...	B-89 Shak...	425125544	225621	Single	Karachi	05/04/2019	Still Working	drasif	asif	[B@37618...	05:00 PM	Mon-Wed

Add Doctors
Delete Doctors
Search Doctors
Update Doctors
View Doctors



UPDATE DOCTORS

Doctor ID  SEARCH DOCTOR  UPDATE

First Name
Age
Gender

Select Gender

Address
CNIC
Marital Status

Select Marital Status

Joining Date
Visit Timing


Second Name
Blood Group

Select

Department


Select Department

Phone No.
City
Leaving Date
Days



 Browse

Username
Password

Add Doctors
Delete Doctors
Search Doctors
Update Doctors
View Doctors



DELETE Doctors

Doctor ID  SEARCH DOCTOR  DELETE

First Name
Age
Gender

Select Gender

Address
CNIC
Marital Status

Select Marital Status

Joining Date
Visit Timing


Second Name
Blood Group

Select

Department

Select Department

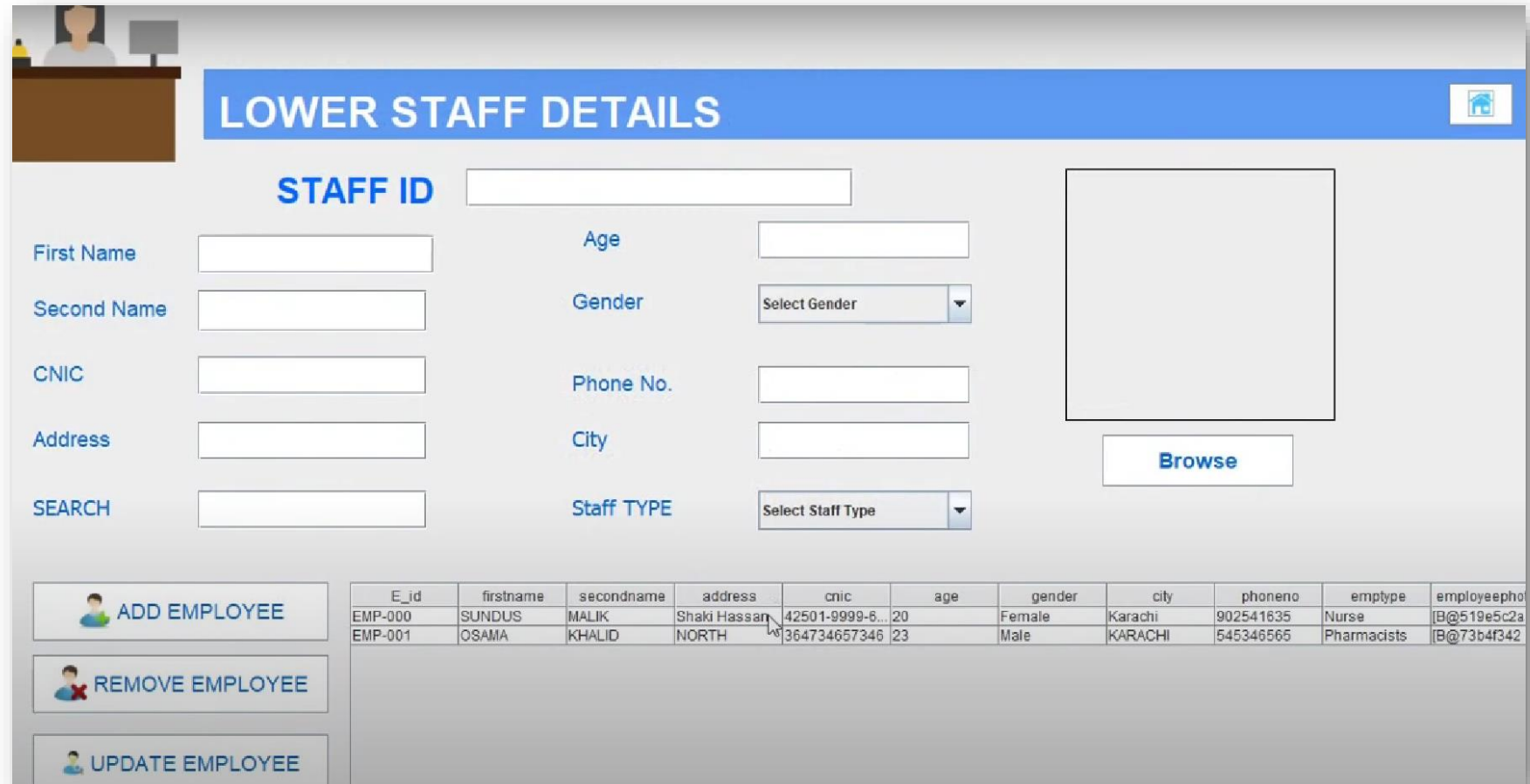
Phone No.
City
Leaving Date
Days

 Browse

Username
Password

5. LOWER STAFF DETAILS

- ❑ After doctor portal back to the admin panel ADMIN can also edit their employees or staff details as you can see in the given image .
- ❑ as the employees does not have to work on computer interface then also their data will be recorded in the database
- ❑ And as the connection is directly with the database ADMIN can update the details of employees , remove a employee and add many more employees to HMS



LOWER STAFF DETAILS

STAFF ID

First Name **Age**

Second Name **Gender**

CNIC **Phone No.**

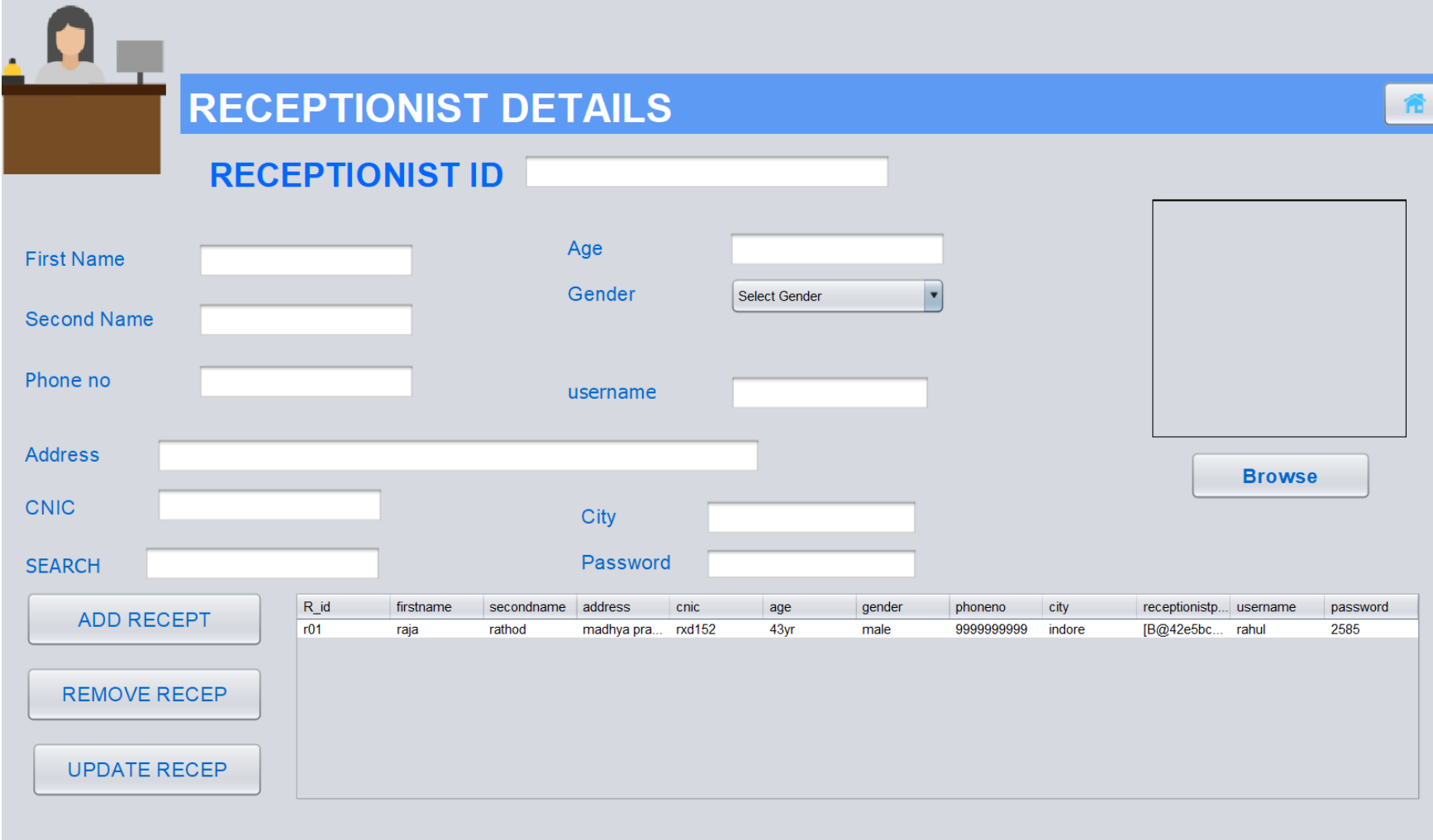
Address **City**

SEARCH **Staff TYPE**

E_id	firstname	secondname	address	cnic	age	gender	city	phoneno	emptye	employeepho
EMP-000	SUNDUS	MALIK	Shaki Hassan	42501-9999-6...	20	Female	Karachi	902541635	Nurse	[B@519e5c2a
EMP-001	OSAMA	KHALID	NORTH	364734657346	23	Male	KARACHI	545346565	Pharmacists	[B@73b4f342

6. RECEPTION DETAILS

- ❑ Once again get back to the admin panel ADMIN can also edit the receptionist details *as you can see in the given image* .
- ❑ *as the receptionist will have to work on computer interface then also their data will be recorded in the database and they also have separate login system* .
- ❑ *They can login with user credentials given by the admin , they can edit patient details and can able to make a appointment of a patient with a doctor ,,,,, I will share the screenshots below*
- ❑ *And as the connection is directly with the database ADMIN can update the details of receptionist , remove a receptionist and add many more receptionist to HMS*



RECEPTIONIST DETAILS

RECEPTIONIST ID

First Name Age

Second Name Gender

Phone no username

Address

CNIC City

SEARCH Password

R_id	firstname	secondname	address	cnic	age	gender	phoneno	city	receptionistp...	username	password
r01	raja	rathod	madhya pra...	rx152	43yr	male	9999999999	indore	[B@42e5bc...	rahul	2585

They can login with user credentials given by the admin , they can edit patient details and can able to make a appointment of a patient with a doctor

A screenshot of a web application titled "Hospital Management System". The main content area displays a "RECEPTIONIST LOGIN PANEL". It features a user icon next to a text input field containing "rec_rabial", a lock icon next to a password input field, and a "Login" button. A back arrow icon is visible in the top-left corner of the page. The background is a blurred image of a person in a white lab coat.

Set Appointment

PATIENT ID

DoctorID	First Name	SecondNa...	Age	Blood Group	Gender	Specializati...	Address	Cnic	Phoneno	Maritalstat...	City	Joining date	Leaving date	Username	Password

DATE

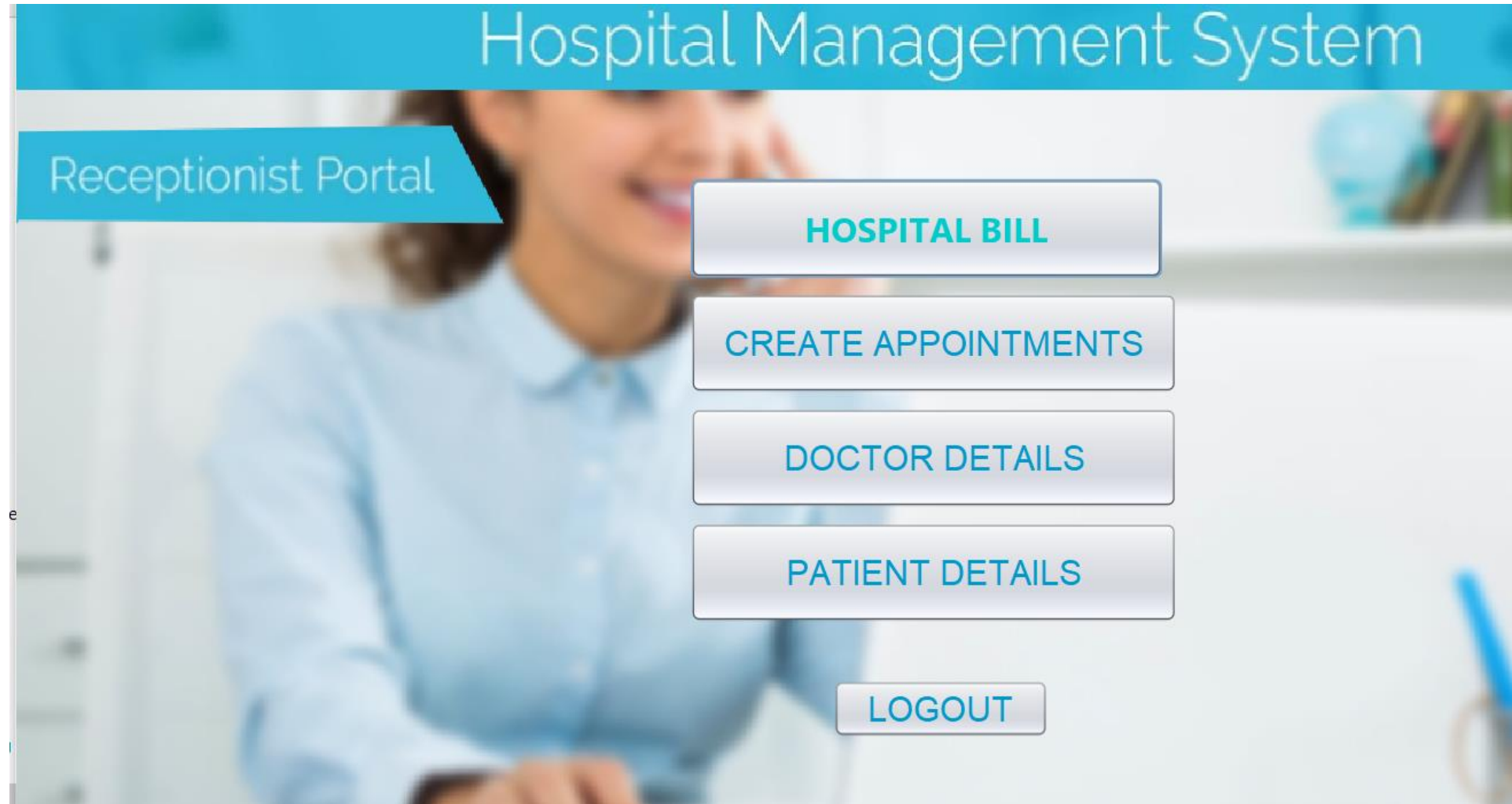
Timming

NEXT

RECEPTIONIST LOGIN

AFTER THE LOGIN of receptionist they can see the interface given in image they can easily check the bed details , and make a appointment between doctor and patient and also they can calculate the hospital bill and generate it on system and print out after that which is saved in database if printer not connected.

Appointment page you can see in previous slide.



HOSPITAL BILL

As I said you first option in the last image is hospital bill

When we click it , it will open here and look like this here as you can see it has 3 options after the entries they are,

- GENERATE BILL
- RESET
- PRINT BILL

- ☐ First one as name suggest it will record the entries and represent on the bill
- ☐ And the reset button will cancel the all entries and refreshes all the bars
- ☐ The third one is when connected from outer printer it will print the bill otherwise saved in the system automatically



HOSPITAL BILL

ENTER PATIENT NAME :

ENTER FATHER NAME :

ENTER PHONE NO :

ENTER PATIENT ADDRESS :

ICU CHARGE :

MAINTANANCE CHARGE :

OPERATION CHARGE :

TOTAL BILL:

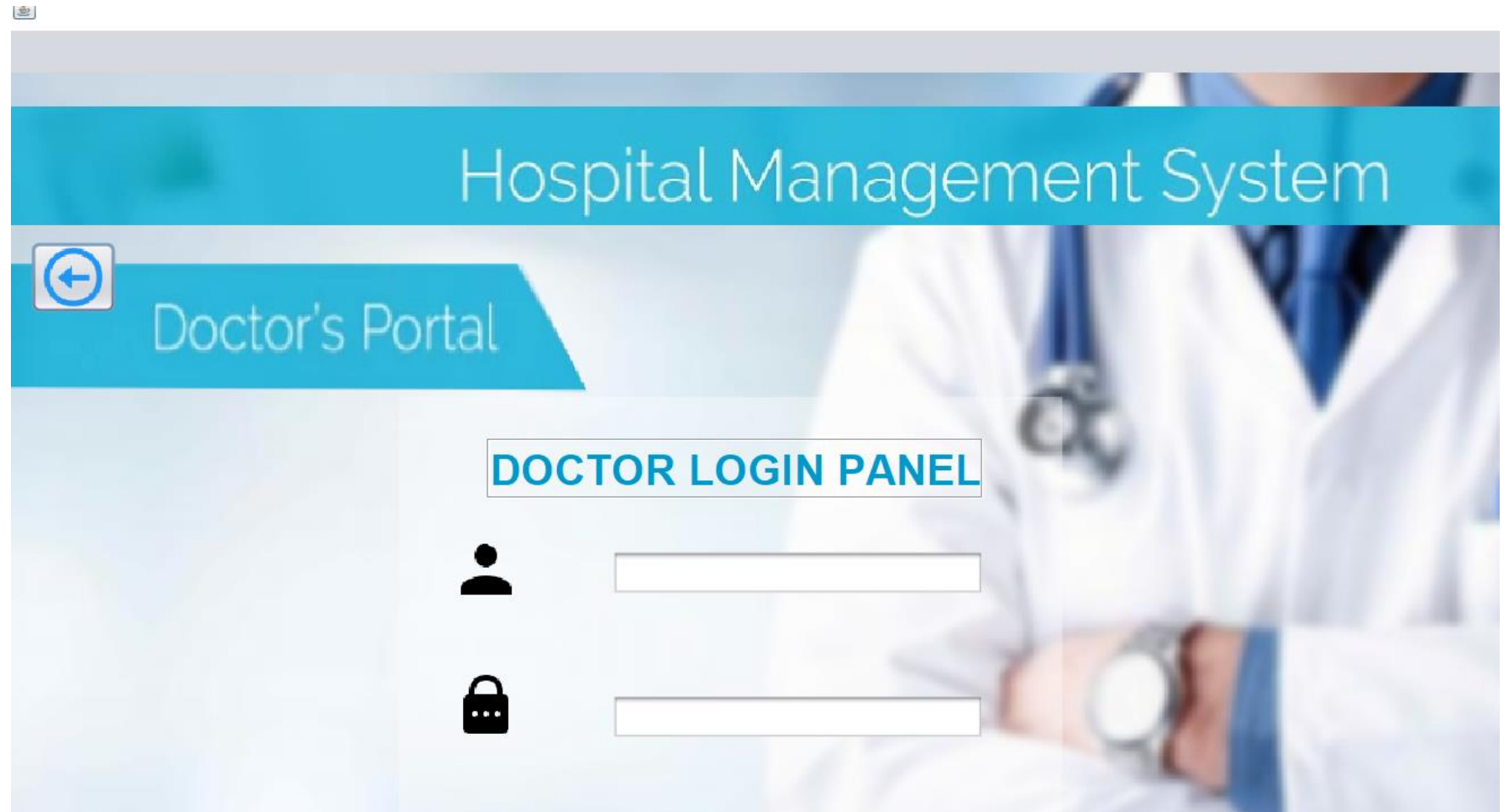
Generate bill

Reset

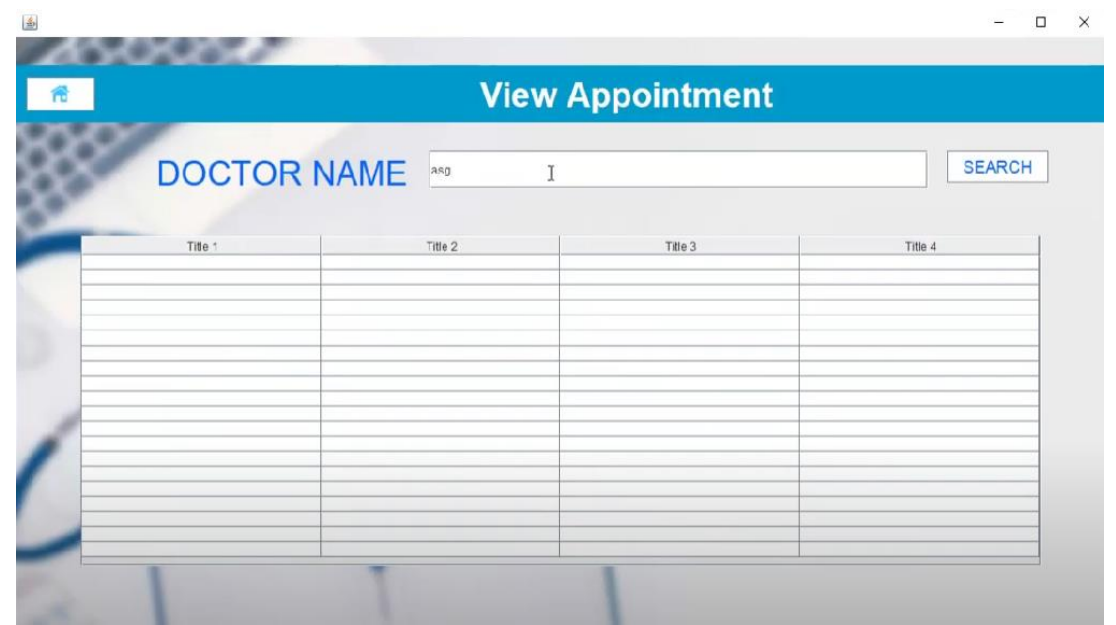
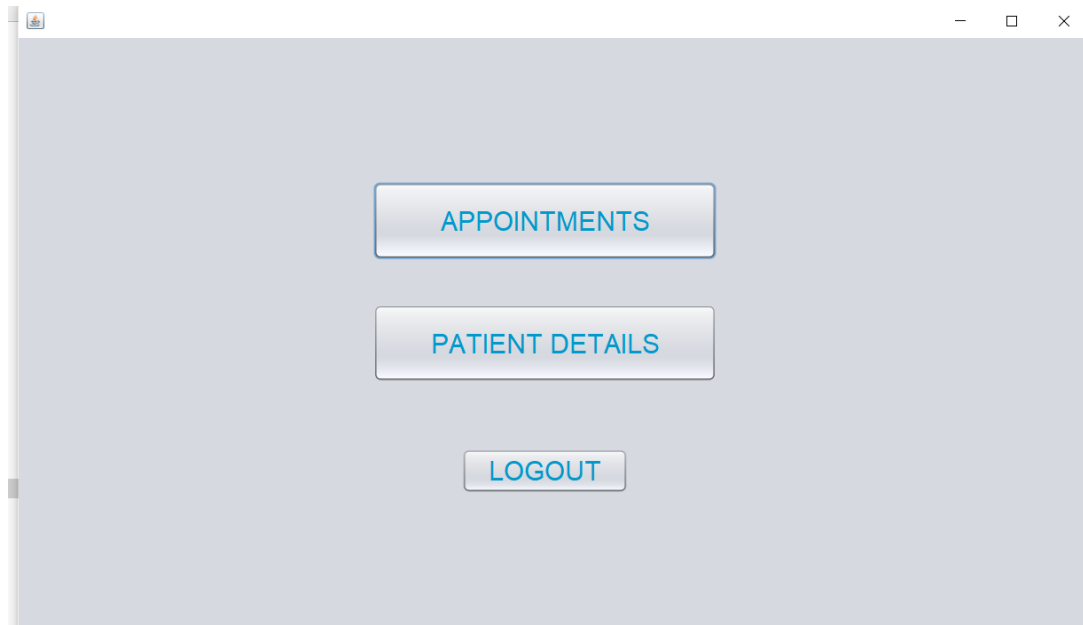
Print BILL


DOCTOR LOGIN

- ✓ As the name itself suggest doctor can login from the credentials provided by admin doctor can login and he can able to see his appointments till date and able to see patient medical history.
- ✓ As well as he can able to modify patient data and easily add patient directly to the database who visits him .
- ✓ I will share the login page of doctor portel here and later on the doctor panel and so on
.....,,,,,,



After clicking on appointment if he search with his name then all the appointment he can able to watch and manage his schedule and I am providing all the screenshots for your references below.....,

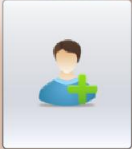





CHECK PATIENT HISTORY

Patient ID

PATIENT'S PORTAL



ADD PATIENT DETAILS



CHECK PATIENT HISTORY



UPDATE PATIENTS

Patient ID

First Name	<input type="text"/>	Phone No.	<input type="text"/>	Name Of Tablet	<input type="text" value="Select Medicine"/>
Second Name	<input type="text"/>	Bed No.	<input type="text" value="ICU-001"/>	Ref#	<input type="text"/>
Age	<input type="text"/>	Disease	<input type="text"/>	Daily Dose	<input type="text"/>
Marital Status	<input type="text" value="Select Marital Status"/>	Discription & Details	<input type="text"/>		
Gender	<input type="text" value="Select Gender"/>				
Date	<input type="text"/>				
Address	<input type="text"/>				
CNIC	<input type="text"/>				
Patient Type	<input type="text" value="Select Patient Type"/>				

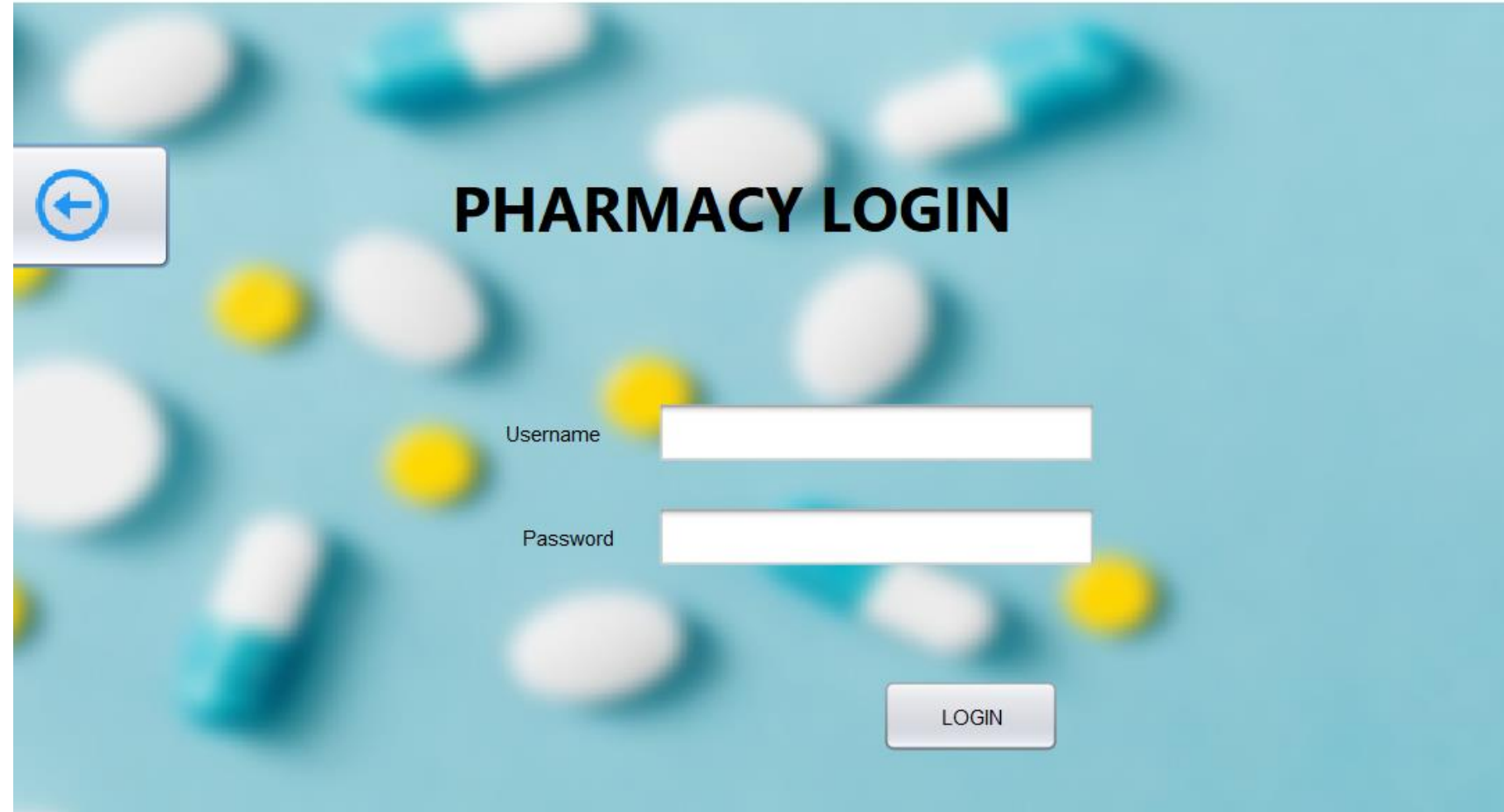
Possible SideEffects

Company

 **UPDATE**

PHARMACY ;LOGIN

- ❑ THE medicines provider of the hospital also has its login credentials with which he can login through the system and able to ADD , REMOVE AND ALSO HE UPDATA medicine details
- ❑ I am –providing some module screen shots here , below you can see and one more thing the all the source images used are also provided here you can see it is my single handed project which I have tried with a lot of sleep less nights
- ❑ AND BELOW YOU CAN SEE EER DIAGRAM OF A DATABASE TABLES



MEDICINE DETAILS

ADD MEDICINE

REMOVE MEDICINE

UPDATE MEDICINE

name	dailydose	refno	dose	sideeffe...	issuedate	expiryd...	compon...	storage	price	quantity
paracet...	2 times	xxxxxxxxx	20mg	no	xxxxxx	xxxxxxxxx	xxxxxxx	20%	50 rs.	200gm

Name Of Tablet

Daily Dose

Ref#

Dose(mg)

Possible SideEffects

Issue Date

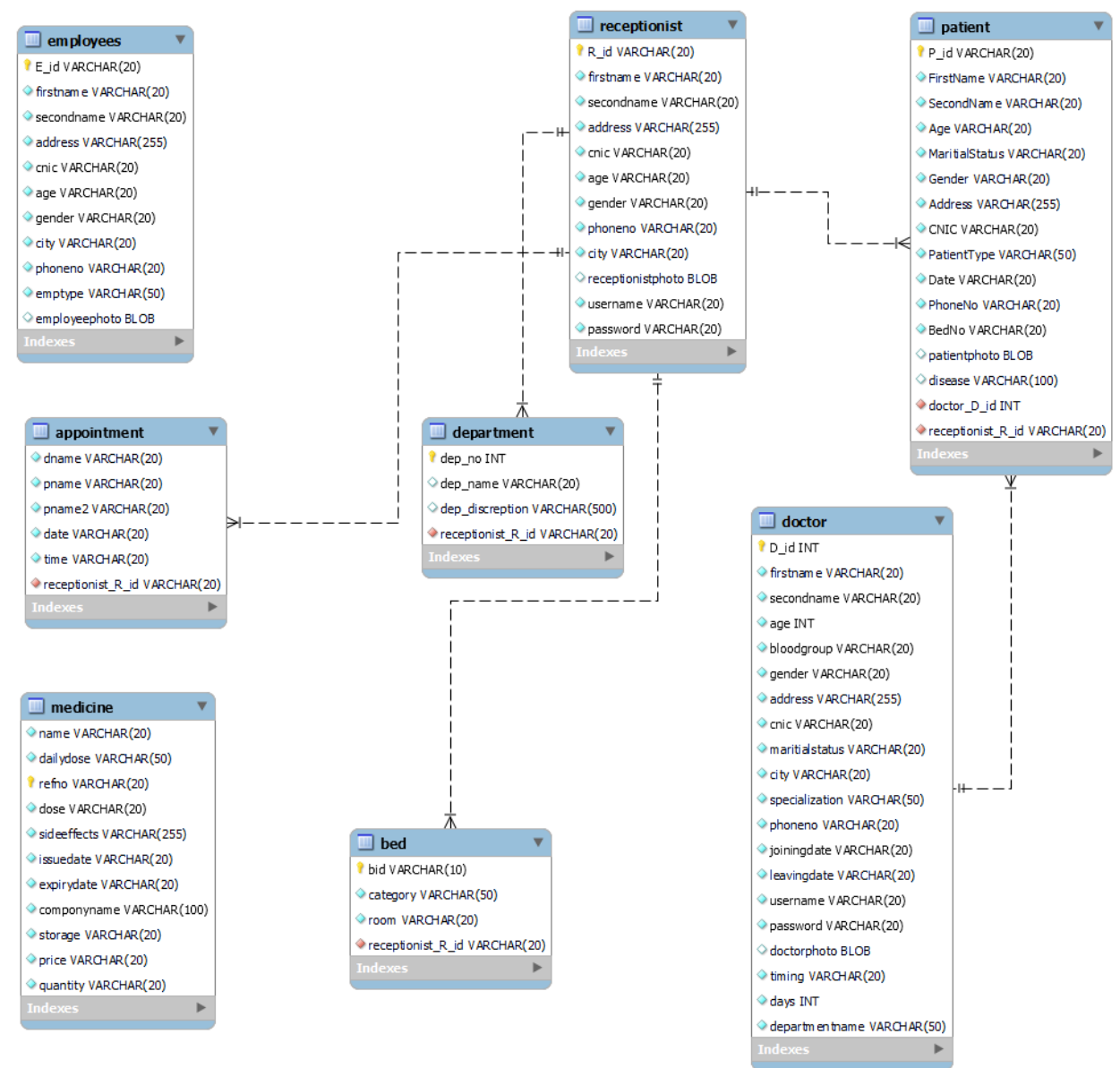
Expiry Date

Company name

Storage Advice

Price

Qunatity Available



EER DIAGRAM OF HMS

LAST POINT

- I have used only java and mysql and ,made a connection between these without intermediate and to use and run this you need some jar files which you can download and attach to this project
- I am providing all the source code with this folder and this also present in this zip folder
- For mysql code BACK END you need mysql workbench 8.0 cE
- For front end apache netbeans 14 IDE

THANK YOU

- Rahul Rathod