

PROJECT REPORT ON

HOSPITAL MANAGEMENT SYSTEM



INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE

**Department of Computer Science and Engineering
(2021-2023)**

CSN505 - Project Lab

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1.INTRODUCTION

1.1 OBJECTIVE

To create a database for a Hospital Management System. Add any tables that you want to ensure it has standard functionalities such as creating id for admin, staff, and doctors, for allocating and maintaining hospital beds, bed type, and cost, for fetching the number of patients for a day/month/year, for maintaining and updating the list of doctors on emergency duty for the day.

Additional Mandatory Constraints-

1. If a doctor is added to the emergency duty table then his cabin number should be automatically added to the emergency room table.
2. patient admission/discharge should automatically update the current patient list of the referring doctor.

1.2 PROJECT DESCRIPTION

Made a windows application for implementing hospital management system in python using Tkinter to create graphical user interface and MySQL as a database to store all the relations and data in it .

2.SYSTEM

2.1 TOOLS AND TECHNOLOGIES USED

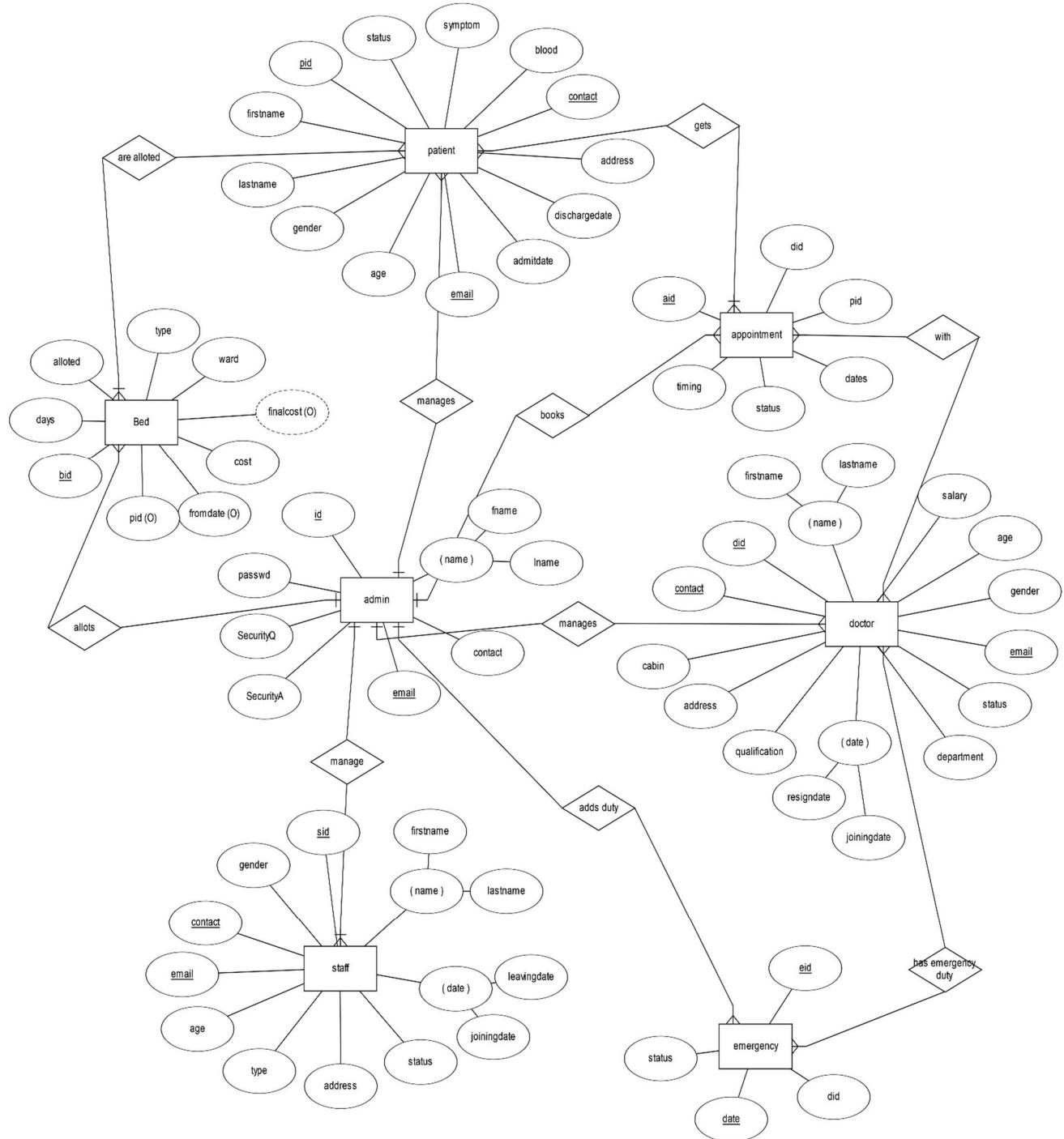
1. IntelliJ PyCharm IDE for Python Development
2. Python 3.10 as programming language
3. Used TKinter library from python to implement GUI .
4. MySQL Database and MySQL workbench as interface to interact with databases.
5. My SQL python connector to connect python with MySQL database.

2.2 HOW TO RUN

1. Install Python 3.10 or any other latest version on your Windows System
2. Place the folder named **21535001** in an appropriate directory and open Window PowerShell in that directory. This directory contains all the required files and images to run the project.
3. Create a virtual environment for implementation and install PIL , MySQL-connector-python packages into it using this command:
`Pip install package-name`
4. Setup the database in MySQL according to the queries mentioned in section 3.2 and name the database as hms , user = root and password = 0000.
5. Now open the Project in Pycharm IDE/any other IDE or terminal and set up the interpreter for running it .
6. Change the path of images in the code file as path will vary from system to system and also setup database as per the user system configuration in main.py file.
7. Finally Run the main.py file to start the project .

3 . SYSTEM ANALYSIS AND DESIGN

3.1 ENTITY RELATIONSHIP DIAGRAM



3.2 SQL QUERIES FOR CREATING TABLES

3.2.1 ADMIN

```
CREATE TABLE `admin` (
  `id` int NOT NULL AUTO_INCREMENT,
  `fname` varchar(45) NOT NULL,
  `lname` varchar(45) NOT NULL,
  `contact` bigint(15) NOT NULL,
  `email` varchar(45) NOT NULL,
  `SecurityQ` varchar(45) NOT NULL,
  `SecurityA` varchar(45) NOT NULL,
  `passwd` varchar(45) NOT NULL,
  PRIMARY KEY (`id`),
  UNIQUE KEY `id_UNIQUE` (`id`),
  UNIQUE KEY `contact_UNIQUE` (`contact`)
);
```

3.2.2 APPOINTMENT

```
CREATE TABLE `appointment` (
  `aid` int NOT NULL AUTO_INCREMENT,
  `pid` int NOT NULL,
  `did` int NOT NULL,
  `timing` time NOT NULL,
  `dates` date NOT NULL,
  `status` varchar(20) NOT NULL DEFAULT 'booked',
  PRIMARY KEY (`aid`),
  KEY `pid` (`pid`),
  KEY `did` (`did`),
  CONSTRAINT `patientid` FOREIGN KEY (`pid`) REFERENCES `patient` (`pid`) ON DELETE RESTRICT
  CONSTRAINT `doctorid` FOREIGN KEY (`did`) REFERENCES `patient` (`did`) ON DELETE RESTRICT
);
```

3.2.3 BED

```
CREATE TABLE `bed` (
  `bid` int NOT NULL AUTO_INCREMENT,
  `type` varchar(45) NOT NULL,
  `cost` bigint NOT NULL DEFAULT '500',
  `ward` varchar(45) NOT NULL,
  `allotted` varchar(45) NOT NULL DEFAULT 'no',
  `pid` int DEFAULT NULL,
  `fromdate` varchar(45) DEFAULT NULL,
  `days` int DEFAULT NULL,
  `finalcost` bigint DEFAULT NULL,
```

```

PRIMARY KEY (`bid`),
UNIQUE KEY `bid_UNIQUE` (`bid`),
KEY `patientid_idx` (`pid`),
CONSTRAINT `patientid` FOREIGN KEY (`pid`) REFERENCES `patient` (`pid`) ON DELETE RESTRICT
);

```

3.2.4 DOCTOR

```

CREATE TABLE `doctor` (
`did` int NOT NULL AUTO_INCREMENT,
`firstname` varchar(45) NOT NULL,
`lastname` varchar(45) NOT NULL,
`age` int NOT NULL,
`gender` varchar(45) NOT NULL,
`contact` bigint DEFAULT NULL,
`email` varchar(45) DEFAULT NULL,
`address` varchar(200) DEFAULT NULL,
`qualification` varchar(45) NOT NULL,
`department` varchar(45) DEFAULT NULL,
`salary` bigint DEFAULT NULL,
`status` varchar(45) DEFAULT 'employee',
`cabin` varchar(45) DEFAULT NULL,
`joiningdate` date DEFAULT NULL,
`resigndate` date DEFAULT NULL,
PRIMARY KEY (`did`),
UNIQUE KEY `did_UNIQUE` (`did`)
);

```

3.2.5 EMERGENCY

```

CREATE TABLE `emergency` (
`eid` int NOT NULL AUTO_INCREMENT,
`date` date NOT NULL,
`did` int NOT NULL,
`status` varchar(45) NOT NULL DEFAULT 'scheduled',
PRIMARY KEY (`eid`),
UNIQUE KEY `date_UNIQUE` (`date`),
KEY `docid_idx` (`did`),
CONSTRAINT `docid` FOREIGN KEY (`did`) REFERENCES `doctor` (`did`) ON DELETE RESTRICT
);

```

3.2.6 PATIENT

```
CREATE TABLE `patient` (
  `pid` int NOT NULL AUTO_INCREMENT,
  `firstname` varchar(45) NOT NULL,
  `lastname` varchar(45) NOT NULL,
  `gender` varchar(12) NOT NULL,
  `age` int NOT NULL,
  `blood` varchar(10) NOT NULL,
  `contact` int NOT NULL,
  `email` varchar(45) DEFAULT NULL,
  `address` varchar(50) DEFAULT NULL,
  `admitdate` date NOT NULL,
  `dischargedate` date DEFAULT NULL,
  `status` varchar(45) NOT NULL DEFAULT 'Admitted',
  `symptom` varchar(100) DEFAULT NULL,
  PRIMARY KEY (`pid`),
  UNIQUE KEY `pid_UNIQUE` (`pid`),
  UNIQUE KEY `email_UNIQUE` (`email`)
);
```

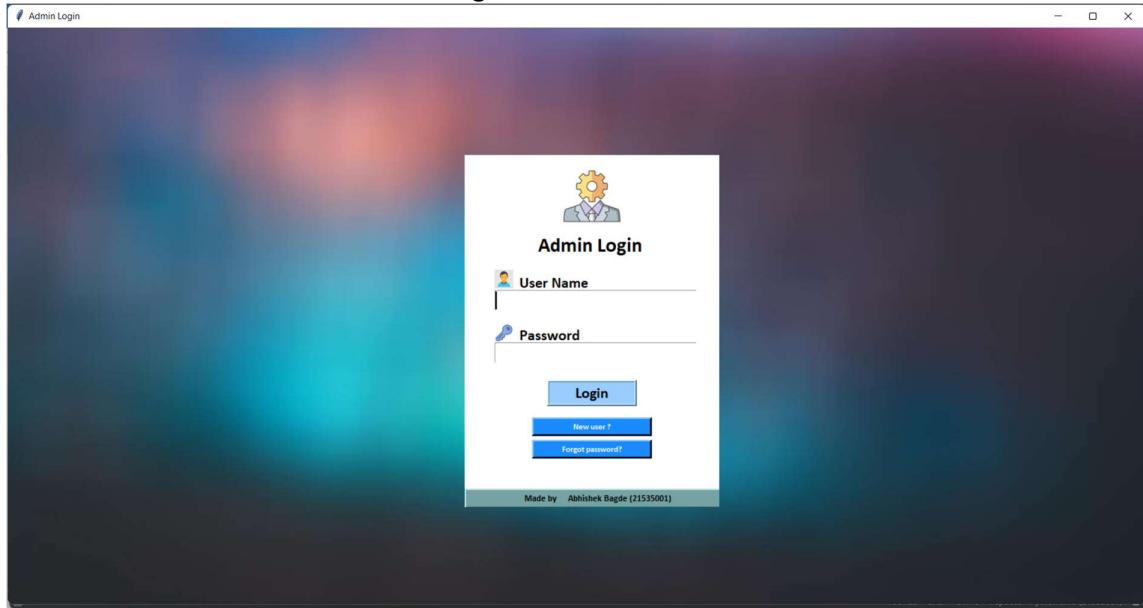
3.2.7 STAFF

```
CREATE TABLE `staff` (
  `sid` int NOT NULL AUTO_INCREMENT,
  `firstname` varchar(45) NOT NULL,
  `lastname` varchar(45) NOT NULL,
  `gender` varchar(45) NOT NULL,
  `age` int NOT NULL,
  `contact` bigint DEFAULT NULL,
  `email` varchar(45) DEFAULT NULL,
  `address` varchar(45) DEFAULT NULL,
  `status` varchar(45) DEFAULT 'employee',
  `type` varchar(45) DEFAULT NULL,
  `salary` int DEFAULT NULL,
  `joiningdate` date NOT NULL,
  `leavingdate` date DEFAULT NULL,
  PRIMARY KEY (`sid`),
  UNIQUE KEY `email_UNIQUE` (`email`),
  UNIQUE KEY `contact_UNIQUE` (`contact`)
);
```

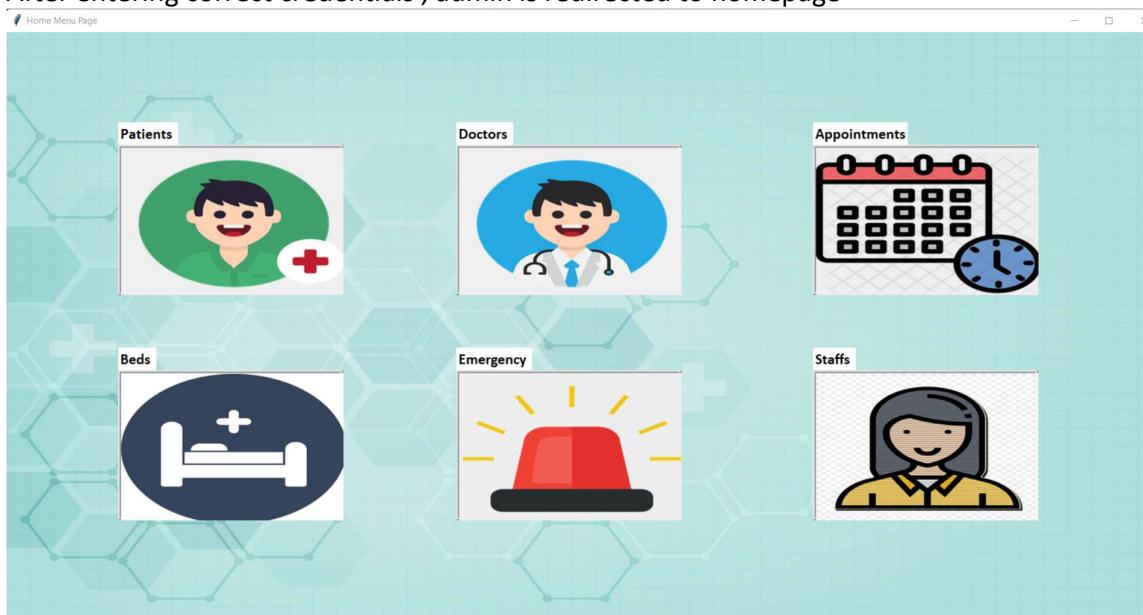
4. FUNCTIONALTIES WITH SCREENSHOTS

4.1 ADMIN WINDOW

- Admin can enter credentials and do login



- After entering correct credentials , admin is redirected to homepage



- New admin can be registered using ‘new user?’ button

The screenshot shows the 'Admin Registration' window. On the left, there is a blue-toned illustration of a person wearing a headset and working on a gear. The main form area has a white background with a title 'Admin Registration'. It contains several input fields:

- First name: Abhishek
- Last name: Bagde
- Contact No.: 9876543210
- Enter username: abhishek
- Choose Security Question: Enter petname
- Answer: jimmy
- Enter password: 123
- Confirm Password: 123

A checkbox labeled 'I agree to all terms and conditions' is checked. A green 'Submit Now' button with a circular arrow icon is at the bottom.

- Password can be reset using ‘Forgot password?’ button

The screenshot shows two windows side-by-side. On the left is the 'Admin Login' window, which has a white background and a blue header bar. It features:

- A user icon above the 'User Name' field.
- 'User Name' field containing 'Abhishek'.
- 'Password' field.
- A large blue 'Login' button.
- Links for 'New user?' and 'Forgot password?' below the login button.
- Text at the bottom: 'Made by Abhishek Bagde (21535001)'.

On the right is a separate window titled 'Reset Password' with a white background. It contains:

- 'Choose Security Question' dropdown set to 'Enter petname'.
- 'Answer' field containing 'jimmy'.
- 'New Password' field containing '12345'.
- A blue 'Reset' button.

4.2 PATIENT WINDOW

PID	First name	Last name	Gender	Age	Blood Type	Contact No	Email	Address	Admit on	Discharge on	Status
1	ramesh	suresh	Male	23	AB+	987654321	None	roorkee	2021-01-09	2022-09-10	Admitted
3	Abhishek	Bagde	Male	32	B-	987456321	None	njp	2021-11-01	2021-12-01	Admitted
4	anshul	anshul	Male	11	B+	5678976	None	qwertuiop	2021-11-05	2021-12-04	Admitted
5	egdrsgwag	wgerages	Female	44	AB+	453463	None	egwrg	2021-09-01	2022-09-01	Discharged
6	ryawertyer	wrtgeatgr	Female	55	O+	453245	None	home	2021-01-01	2021-01-01	Admitted
7	ggstgreg	esgrgir	Female	43	AB+	45346	None	wefnwegf	2021-01-01	2022-01-01	Discharged
8	esfgsfws	grgag	Male	32	AB+	34524	None	esgtgs	2021-09-09	2022-01-01	Discharged
9	adaf	adfaf	Male	33	A-	46346	None	srgg	2021-09-08	2023-01-01	Discharged
10	afeqfw	fwefwef	Other	90	AB-	346563	None	svrgavng	2022-08-08	None	Admitted
11	dasgfdasg	dfdfdfdg	Female	45	AB-	46536	None	dgttish	2021-09-07	None	Admitted
12	awvdawdaw	awvdawdaw	Other	45	O+	352525	afafddf	dfdfdf	2022-06-06	None	Admitted
13	awdawdawdaw	awdawdawdaw	Male	33	AB+	3525	awdade	afaefearer	2022-01-01	None	Admitted
14	b	b	Male	2	A+	54321	a	b	2020-02-02	None	Admitted
15	Abhi	bagde	Male	22	B+	123456	abhishek@email.com	qwerty	2021-01-01	2022-01-01	Discharged

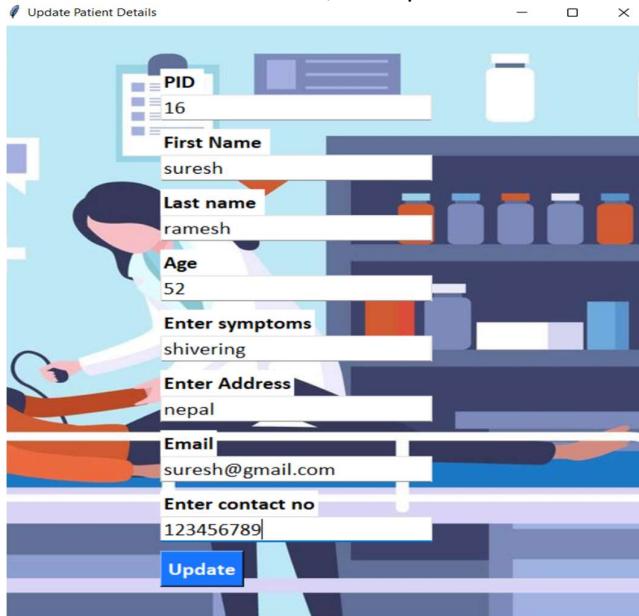
- Register new patient button , adds new user.

Register here

First name ramesh	Last name suresh
Gender Male	Blood Type B+
Contact 987654567	Age 25
Admit date(YYYY-MM-DD) 2020-01-31	Email ramesh@email.com
Address india	Symptoms cold , headache

Submit Now

- Update Patient Details button, can update details of existing patients



Before:

Patients:										Count 15	Search By	Select	Search
PID	First name	Last name	Gender	Age	Blood Type	Contact No	Email	Address	Admit on	Discharge on	Status		
1	ramesh	suresh	Male	23	AB+	987654321	None	roorkee	2021-01-09	2022-09-10	Admitted		
3	Abhishek	Bagde	Male	32	B+	987456321	None	npg	2021-11-01	2021-12-01	Admitted		
4	anshul	anshul	Male	11	B+	5678976	None	qwertyuop	2021-11-04	2021-12-04	Admitted		
5	egdrswag	wrgerages	Female	44	AB+	453463	None	egwrig	2021-09-09	2022-09-01	Discharged		
6	nyawertyer	wrtgeartgr	Female	55	O+	453245	None	home	2021-01-01	2021-01-01	Admitted		
7	ggstgreg	esrgsrg	Female	43	AB+	45346	None	wefrwefg	2021-01-01	2022-01-01	Discharged		
8	esfrgsrgs	grgageg	Male	32	AB+	34524	None	esgtgs	2021-09-09	2022-01-01	Discharged		
9	adaf	adafad	Male	33	A-	46346	None	srsgs	2021-09-08	2023-01-01	Discharged		
10	ateqfw	twelwel	Other	90	AB-	346563	None	swgawrg	2022-08-08	None	Admitted		
11	dasdfdsag	dfdfgdg	Female	45	AB-	46536	None	dgtttsb	2021-09-07	None	Admitted		
12	awdwdaw	awdawdawd	Other	45	O-	352525	None	dfsdfdf	2022-06-06	None	Admitted		
13	awdawdawdawd	awdawd	Male	33	AB+	3525	awvdadae	aafearfaer	2022-01-01	None	Admitted		
14	b	b	Male	2	A+	54321	a	b	2020-02-02	None	Admitted		
15	Abhi	bagde	Male	22	B+	123456	abhishek@gmail.com	qryty	2021-01-01	2022-01-01	Discharged		
16	ramesh	suresh	Male	25	B+	987654567	ramesh@gmail.com	india	2020-01-31	None	Admitted		

After:

Patients:										Count 15	Search By	Select	Search
PID	First name	Last name	Gender	Age	Blood Type	Contact No	Email	Address	Admit on	Discharge on	Status		
1	ramesh	suresh	Male	23	AB+	987654321	None	roorkee	2021-01-09	2022-09-10	Admitted		
3	Abhishek	Bagde	Male	32	B+	987456321	None	npg	2021-11-01	2021-12-01	Admitted		
4	anshul	anshul	Male	11	B+	5678976	None	qwertyuop	2021-11-04	2021-12-04	Admitted		
5	egdrswag	wrgerages	Female	44	AB+	453463	None	egwrig	2021-09-09	2022-09-01	Discharged		
6	nyawertyer	wrtgeartgr	Female	55	O+	453245	None	home	2021-01-01	2021-01-01	Admitted		
7	ggstgreg	esrgsrg	Female	43	AB+	45346	None	wefrwefg	2021-01-01	2022-01-01	Discharged		
8	esfrgsrgs	grgageg	Male	32	AB+	34524	None	esgtgs	2021-09-09	2022-01-01	Discharged		
9	adaf	adafad	Male	33	A-	46346	None	srsgs	2021-09-08	2023-01-01	Discharged		
10	ateqfw	twelwel	Other	90	AB-	346563	None	swgawrg	2022-08-08	None	Admitted		
11	dasdfdsag	dfdfgdg	Female	45	AB-	46536	None	dgtttsb	2021-09-07	None	Admitted		
12	awdwdaw	awdawdawd	Other	45	O-	352525	None	dfsdfdf	2022-06-06	None	Admitted		
13	awdawdawdawd	awdawd	Male	33	AB+	3525	awvdadae	aafearfaer	2022-01-01	None	Admitted		
14	b	b	Male	2	A+	54321	a	b	2020-02-02	None	Admitted		
15	Abhi	bagde	Male	22	B+	123456	abhishek@gmail.com	qryty	2021-01-01	2022-01-01	Discharged		
16	ramesh	suresh	Male	25	B+	987654567	ramesh@gmail.com	india	2020-01-31	None	Admitted		

- Discharge Patient button , updates the status of patient



Patients:											Count 15	Search By	Select	Search
PID	First name	Last name	Gender	Age	Blood Type	Contact No	Email	Address	Admit on	Discharge on	Status			
1	ramesh	suresh	Male	23	AB+	987654321	None	roorkee	2021-01-09	2022-09-10	Admitted			
3	Abhishek	Bagde	Male	32	B-	987456321	None	ngp	2021-11-01	2021-12-01	Admitted			
4	anshul	anshul	Male	11	B-	5678976	None	qwertuyop	2021-11-04	2021-12-04	Admitted			
5	egdgsyvag	wrgersges	Female	44	AB+	453463	None	egwrg	2021-09-09	2022-09-01	Discharged			
6	nyavewyter	wrtgeartgr	Female	55	O-	453245	None	home	2021-01-01	2021-01-01	Admitted			
7	ggprtgreg	esgrgri	Female	43	AB+	45346	None	wefwegf	2021-01-01	2022-01-01	Discharged			
8	esgfngws	grgag	Male	32	AB+	34524	None	esgtgs	2021-09-09	2022-01-01	Discharged			
9	adaf	adaf	Male	33	A-	46346	None	srsgs	2021-09-08	2023-01-01	Discharged			
10	afeqfw	fwefewl	Other	90	AB-	346563	None	swrgawre	2022-08-08	None	Admitted			
11	dagsfdasg	dfgfdgdfg	Female	45	AB-	46536	None	dgfttsh	2021-09-07	None	Admitted			
12	awwdawdaw	awwdawdawd	Other	45	O+	352525	afaddsf	dfdfdsf	2022-06-06	None	Admitted			
13	awdawdawdawd	awdawdawd	Male	33	AB+	3525	awvdade	afafeearfaer	2022-01-01	None	Admitted			
14	b	b	Male	2	A+	54321	a	b	2020-02-02	None	Admitted			
15	Abhi	bagde	Male	22	B-	123456	abhishek@email.com	qwert	2021-01-01	2022-01-01	Discharged			
16	suresh	ramesh	Male	52	B-	123456789	ramesh@email.com	nepal	2020-01-31	2022-01-14	Discharged			

- Count shows the number of entries for given constraints , search by is used to search entries by specific attributes.

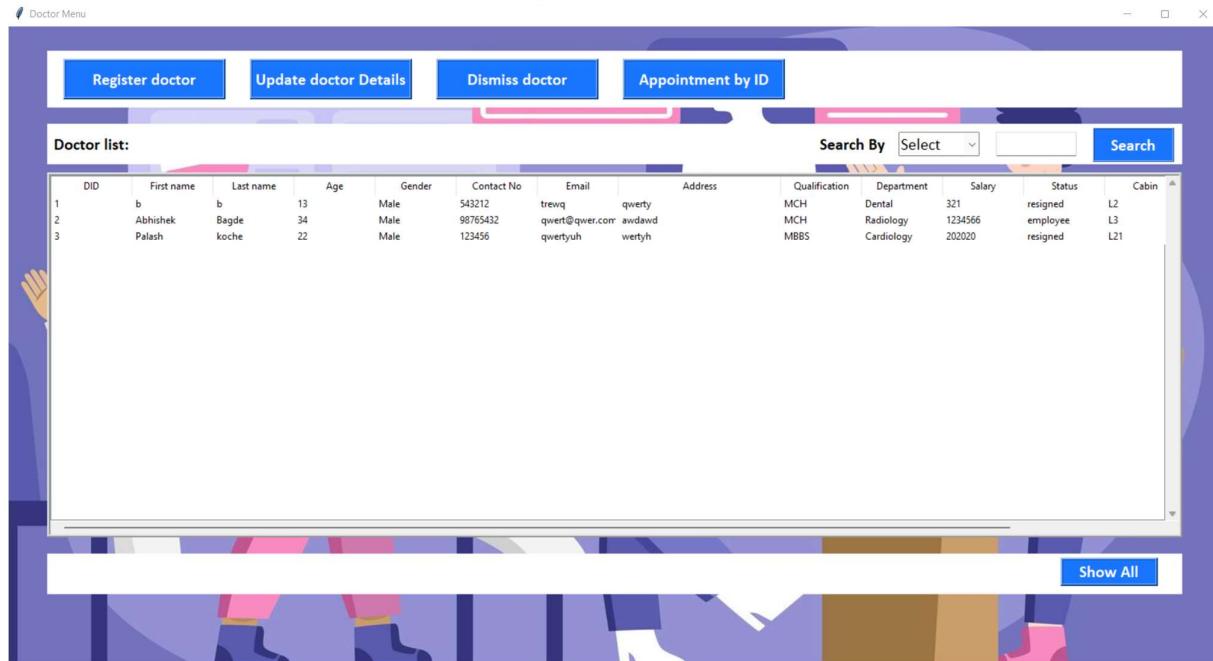
Patients:											Count 1	Search By	firstname	suresh	Search
PID	First name	Last name	Gender	Age	Blood Type	Contact No	Email	Address	Admit on	Discharge on	Status				
16	suresh	ramesh	Male	52	B+	123456789	ramesh@email.com	nepal	2020-01-31	2022-01-14	Discharged				

- From date and till date functionality fetches the entries between given date.

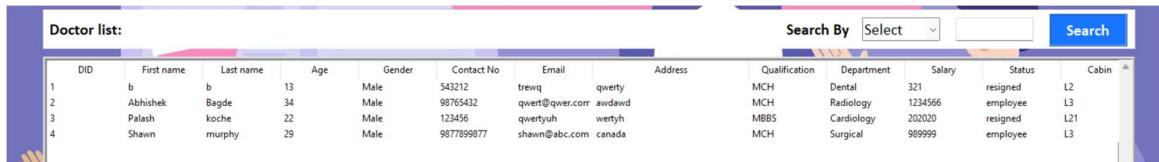
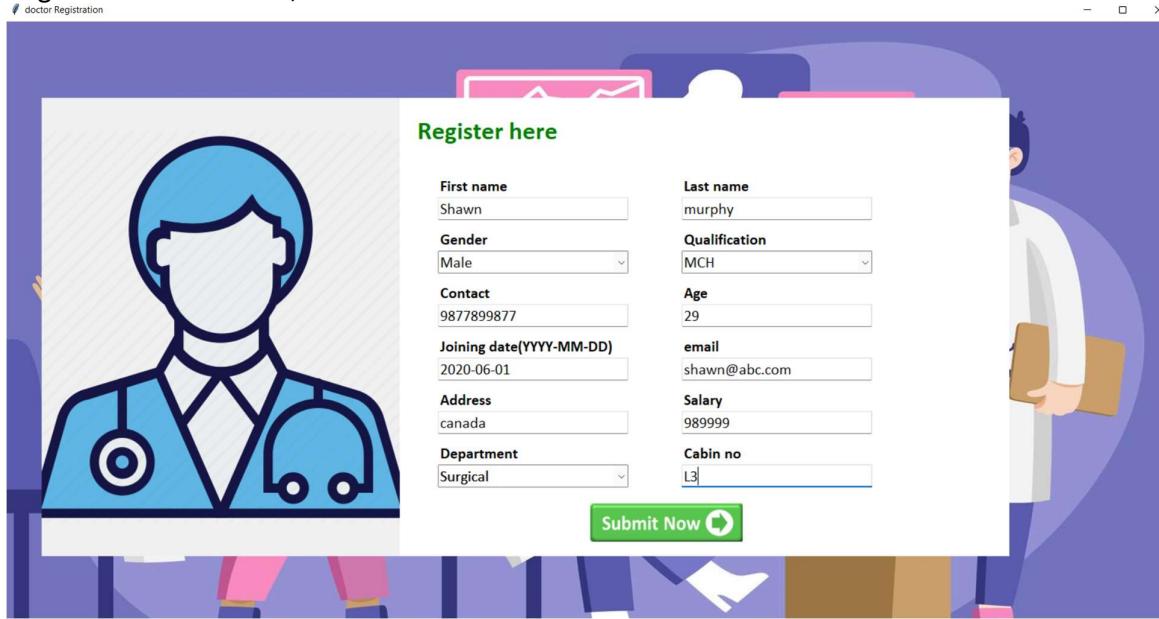
Patients:											Count 5	Search By	firstname	suresh	Search
PID	First name	Last name	Gender	Age	Blood Type	Contact No	Email	Address	Admit on	Discharge on	Status				
6	nyavewyter	wrtgeartgr	Female	55	O+	453245	None	home	2021-01-01	2021-01-01	Admitted				
7	ggprtgreg	esgrgri	Female	43	AB+	45346	None	wefwegf	2021-01-01	2022-01-01	Discharged				
14	b	b	Male	2	A+	54321	a	b	2020-02-02	None	Admitted				
15	Abhi	bagde	Male	22	B+	123456	abhishek@email.com	qwert	2021-01-01	2022-01-01	Discharged				
16	suresh	ramesh	Male	52	B+	123456789	ramesh@email.com	nepal	2020-01-31	2022-01-14	Discharged				

From date 2020-01-01 Till date 2021-01-01 Search Show All

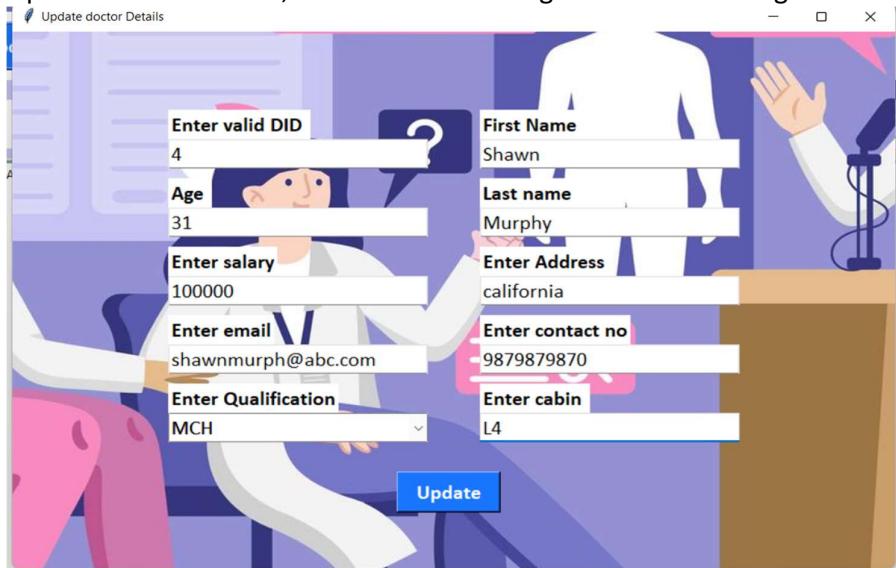
4.3 DOCTOR WINDOW



- Register doctor button , add new doctor to the database



- Update doctor button , can be used to change details of existing doctors



Doctor list:

DID	First name	Last name	Age	Gender	Contact No	Email	Address	Qualification	Department	Salary	Status	Cabin
1	b	b	13	Male	543212	trewq	qwerty	MCH	Dental	321	resigned	L2
2	Abhishek	Bagde	34	Male	98765432	qwert@qwer.com	awdawd	MCH	Radiology	1234566	employee	L3
3	Palash	koche	22	Male	123456	qwertyuh	wertyh	MBBS	Cardiology	202020	resigned	L21
4	Shawn	Murphy	31	Male	9879879870	shawnmurph@abc.com	california	MCH	Surgical	100000	employee	L4
5	Claire	Thompson	32	Female	67859876	claire@email.com	usa	MCH	Radiology	10900	resigned	L2

Search By Select Search

- Dismiss doctor button , removes a doctor from hospital

Remove doctor

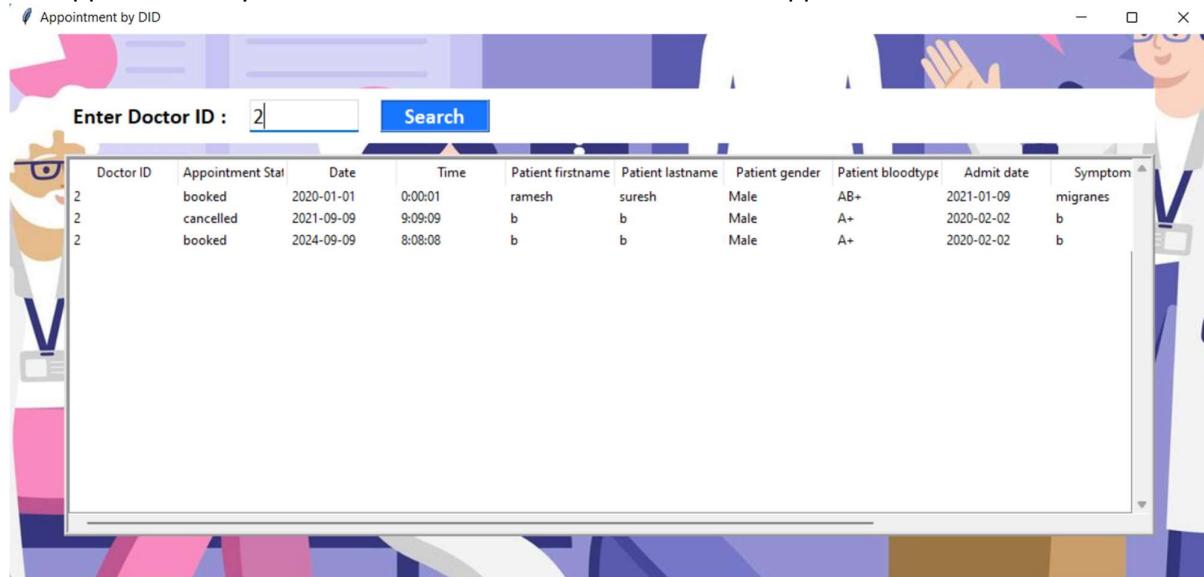
DID	5
Enter Resign date	
2023-01-23	
Submit	

Doctor list:

DID	First name	Last name	Age	Gender	Contact No	Email	Address	Qualification	Department	Salary	Status	Cabin
1	b	b	13	Male	543212	trewq	qwerty	MCH	Dental	321	resigned	L2
2	Abhishek	Bagde	34	Male	98765432	qwert@qwer.com	awdawd	MCH	Radiology	1234566	employee	L3
3	Palash	koche	22	Male	123456	qwertyuh	wertyh	MBBS	Cardiology	202020	resigned	L21
4	Shawn	Murphy	31	Male	9879879870	shawnmurph@abc.com	california	MCH	Surgical	100000	employee	L4
5	Claire	Thompson	32	Female	67859876	claire@email.com	usa	MCH	Radiology	10900	resigned	L2

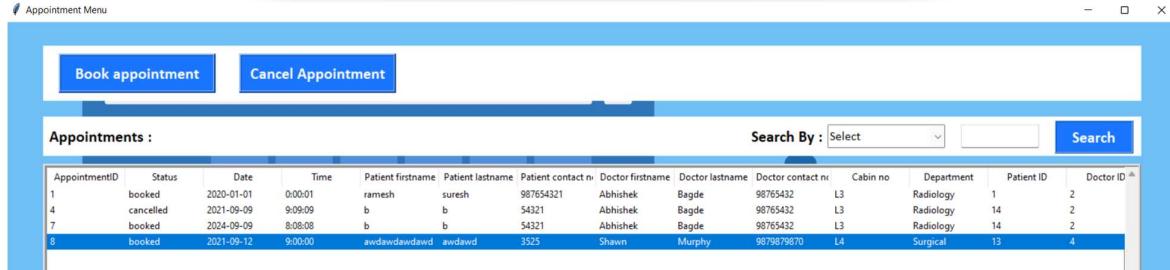
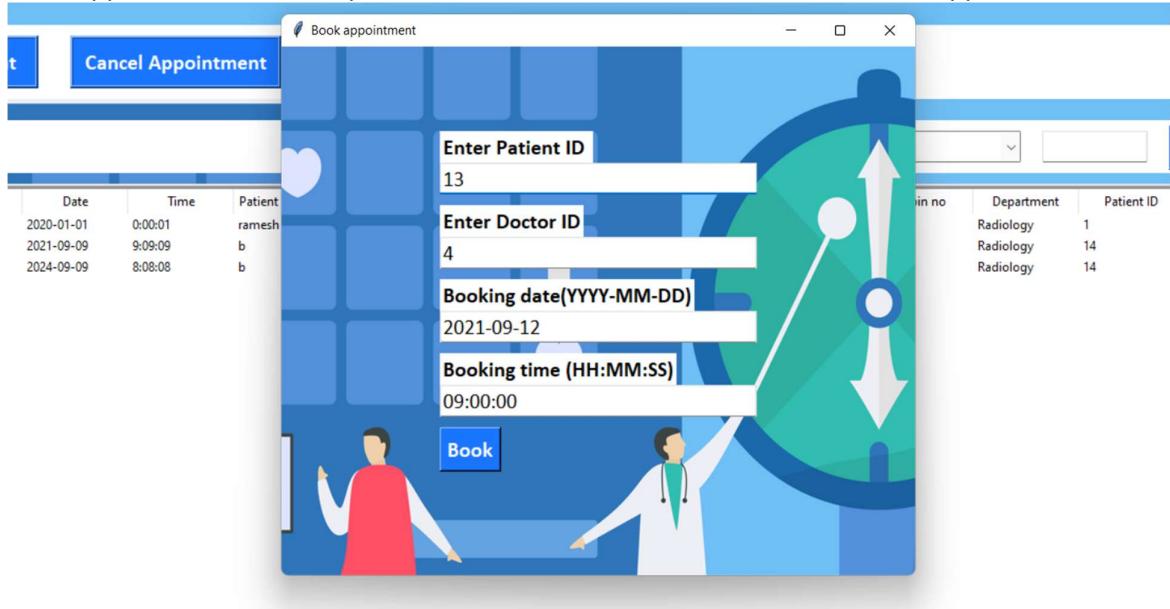
Search By Select Search

- Appointment by ID button takes doctor id and shows their appointments

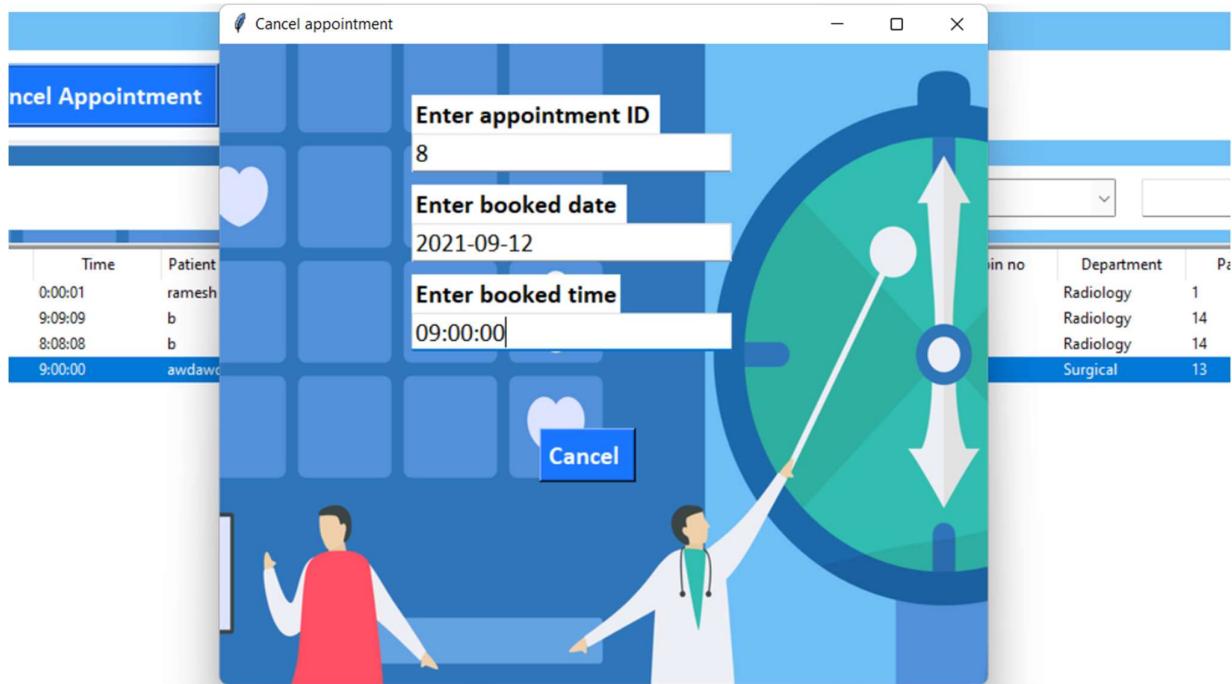


4.4 APPOINTMENT WINDOW

- Book appointment button open window and ask details in order to book an appointment.



- Cancel Appointment button , cancels the scheduled appointment.



Appointment Menu

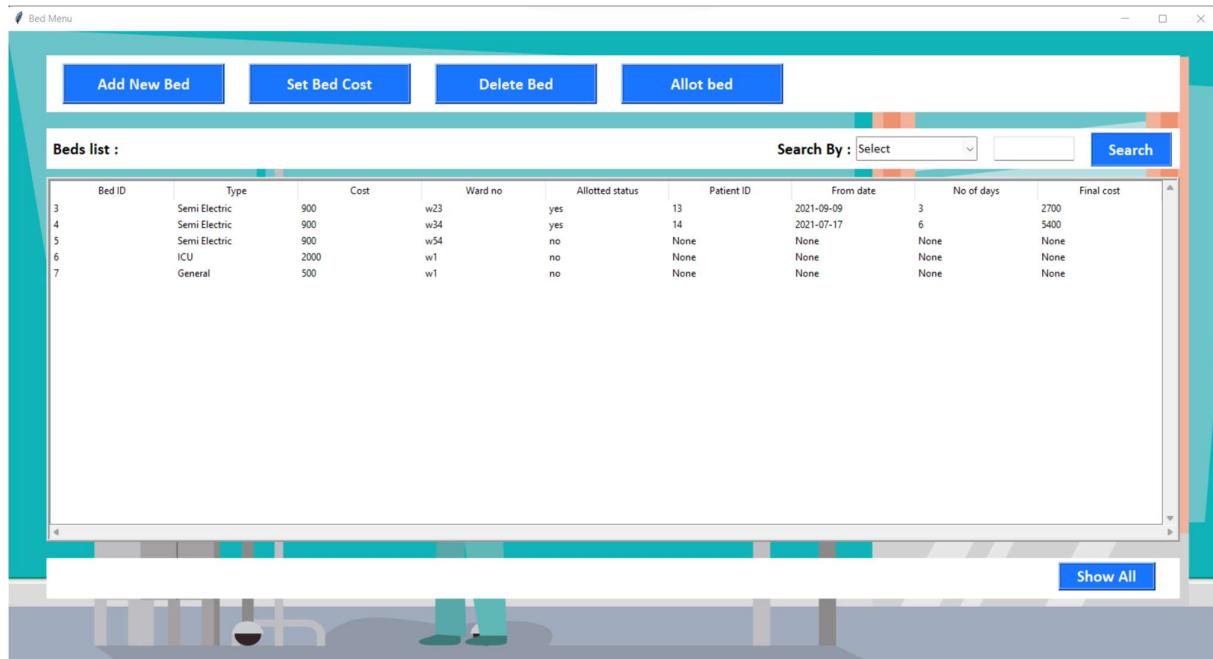
AppointmentID	Status	Date	Time	Patient firstname	Patient lastname	Patient contact no	Doctor firstname	Doctor lastname	Doctor contact no	Cabin no	Department	Patient ID	Doctor ID
1	booked	2020-01-01	0:00:01	ramesh	suresh	987654321	Abhishek	Bagde	98765432	L3	Radiology	1	2
8	cancelled	2021-09-12	9:00:00	awdawdawdawd	awdawdawdawd	3525	Shawn	Murphy	987654320	L4	Surgical	13	4
4	cancelled	2021-09-09	9:09:09	b	b	54321	Abhishek	Bagde	98765432	L3	Radiology	14	2
7	booked	2024-09-09	8:08:08	b	b	54321	Abhishek	Bagde	98765432	L3	Radiology	14	2

Book appointment Cancel Appointment

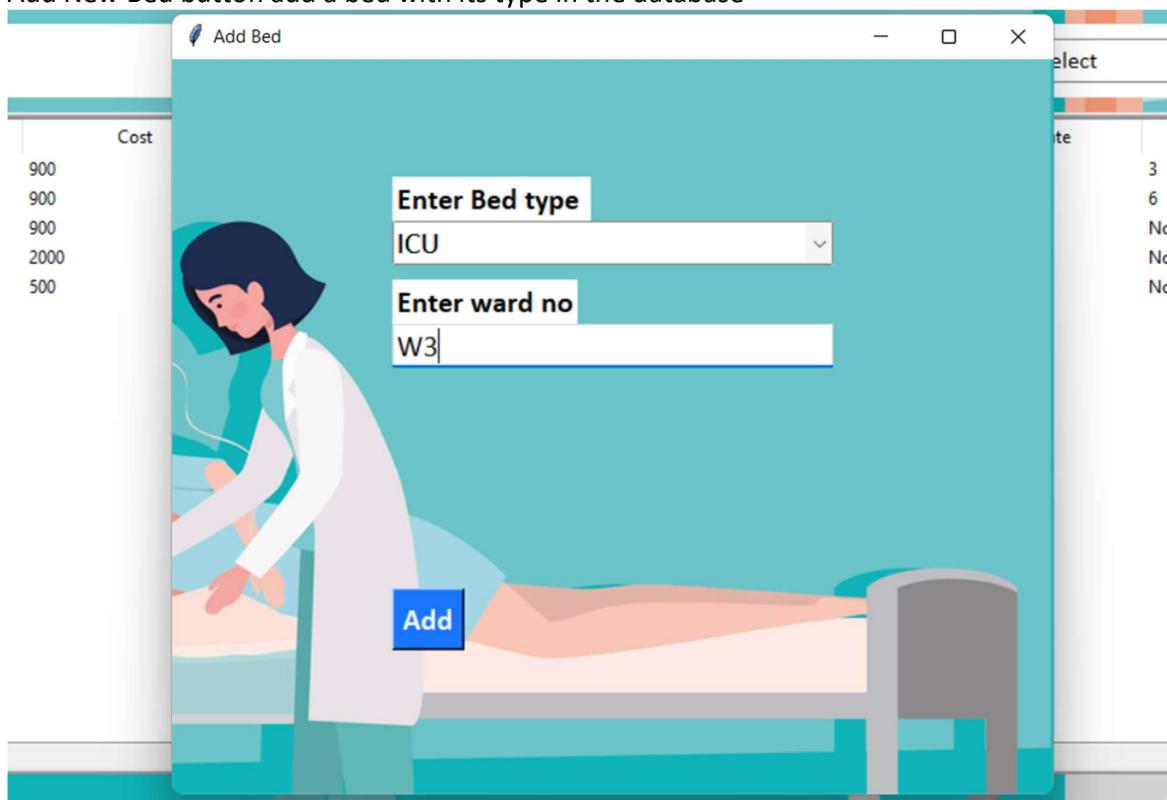
Appointments : Search By : Select Search

Show All

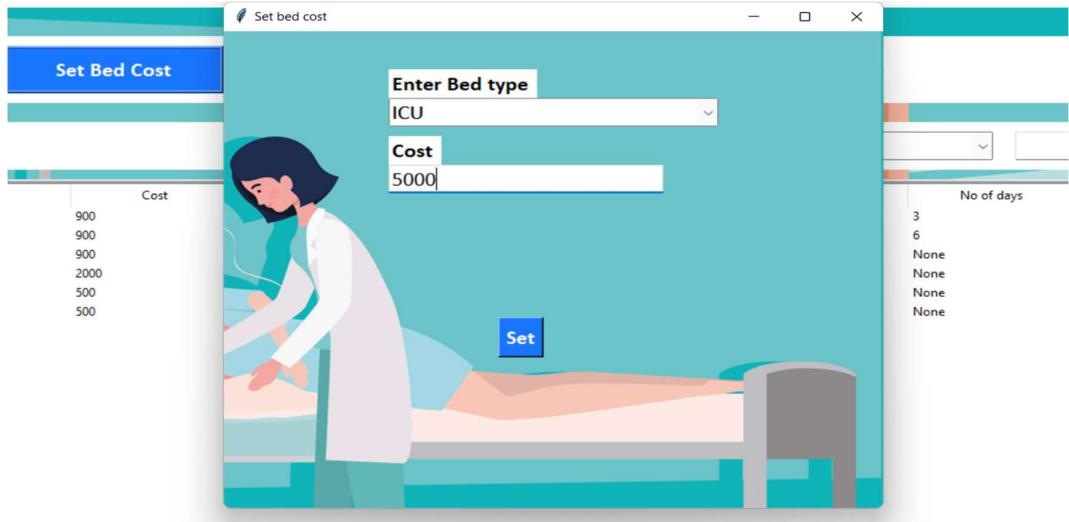
4.5 BEDS WINDOW



- Add New Bed button add a bed with its type in the database

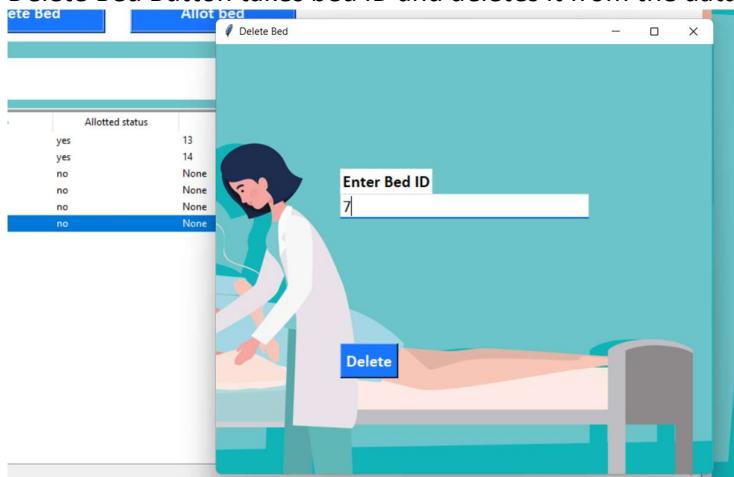


- Set Bed Cost button , changes and sets a common price for a type of bed

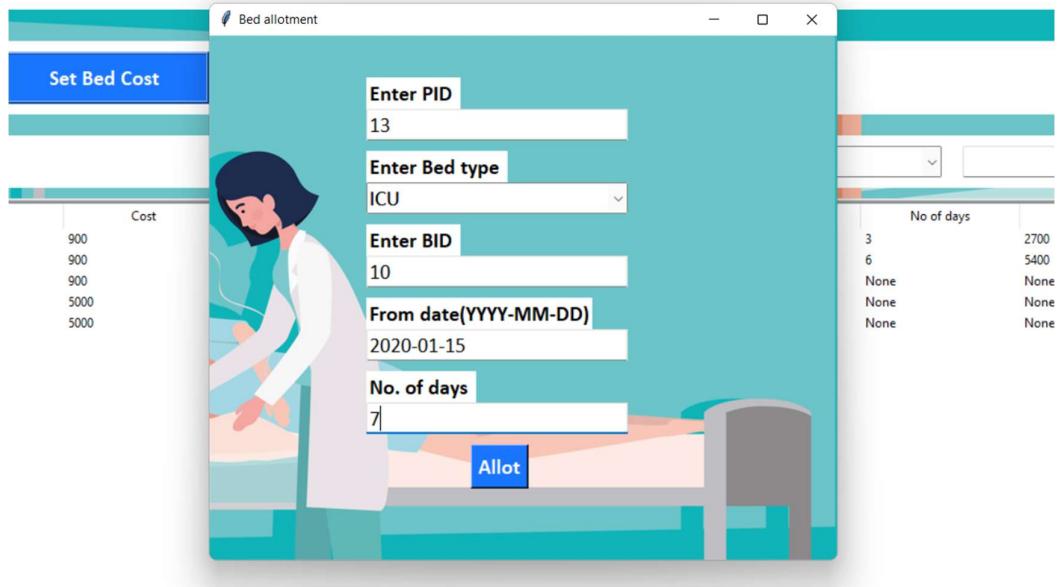


Bed ID	Type	Cost	Ward no	Allotted status	Patient ID	From date	No of days	Final cost
3	Semi Electric	900	w23	yes	13	2021-09-09	3	2700
4	Semi Electric	900	w34	yes	14	2021-07-17	6	5400
5	Semi Electric	900	w54	no	None	None	None	None
6	ICU	5000	w1	no	None	None	None	None
7	General	500	w1	no	None	None	None	None
10	ICU	5000	W3	no	None	None	None	None

- Delete Bed Button takes bed ID and deletes it from the database



- Allot Bed button , takes required information and gives bed to the patient.



Bed Menu

Add New Bed Set Bed Cost Delete Bed Allot bed

Beds list :

Bed ID	Type	Cost	Ward no	Allotted status	Patient ID	From date	No of days	Final cost
3	Semi Electric	900	w23	yes	13	2021-09-09	3	2700
4	Semi Electric	900	w34	yes	14	2021-07-17	6	5400
5	Semi Electric	900	w54	no	None	None	None	None
6	ICU	5000	w1	no	None	None	None	None
10	ICU	5000	W3	yes	13	2020-01-15	7	35000

Search By : Select Search Show All

- Search by function takes input and fetches entries matching it .

Bed Menu

Add New Bed Set Bed Cost Delete Bed Allot bed

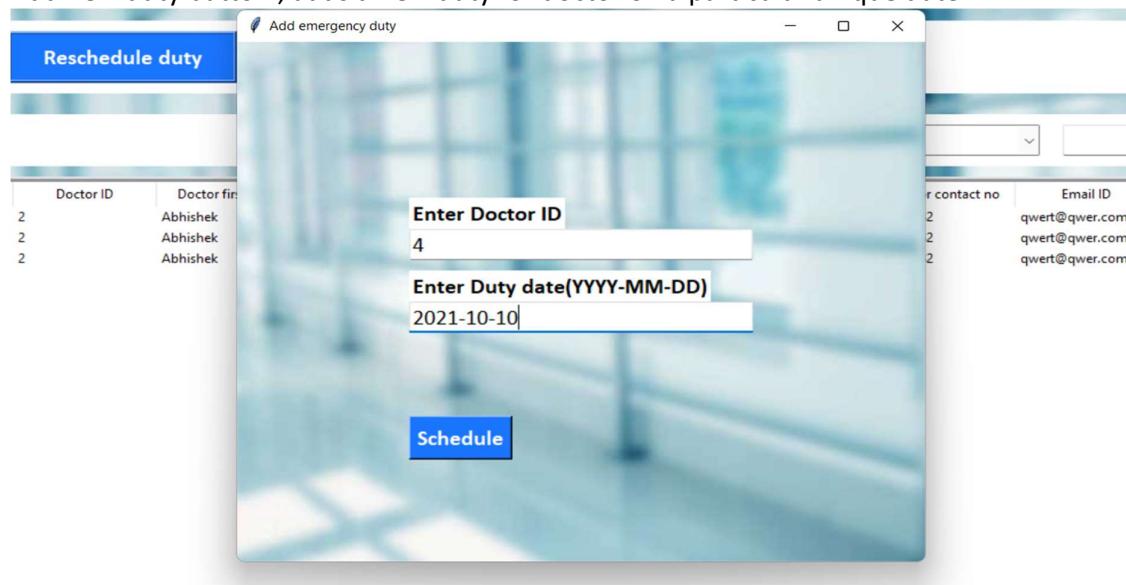
Beds list :

Bed ID	Type	Cost	Ward no	Allotted status	Patient ID	From date	No of days	Final cost
10	ICU	5000	W3	yes	13	2020-01-15	7	35000

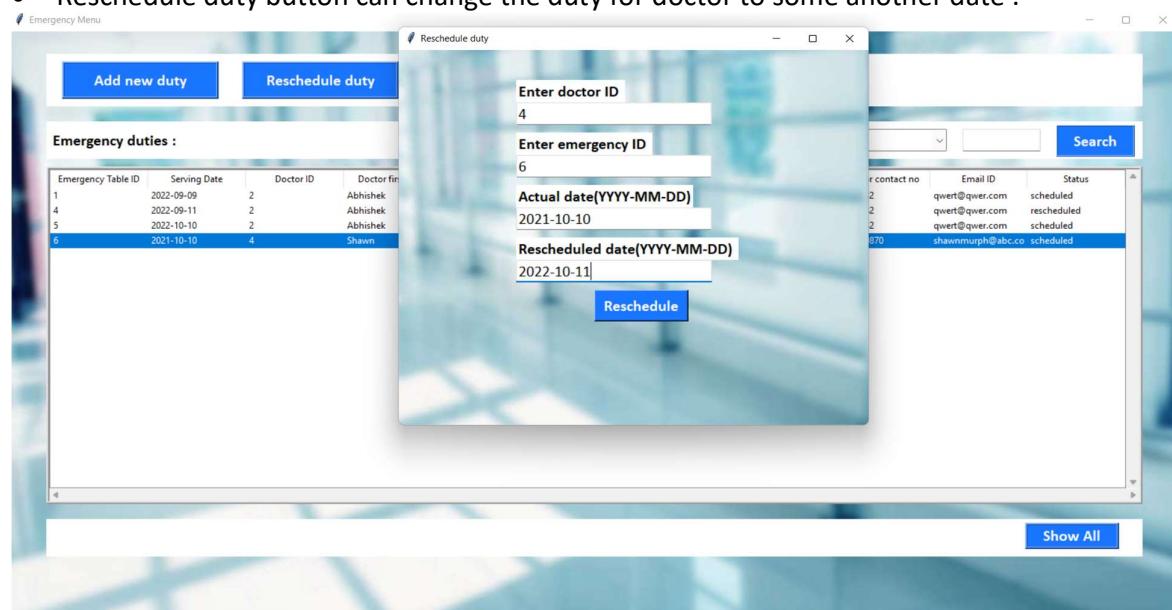
Search By : bid 10 Search

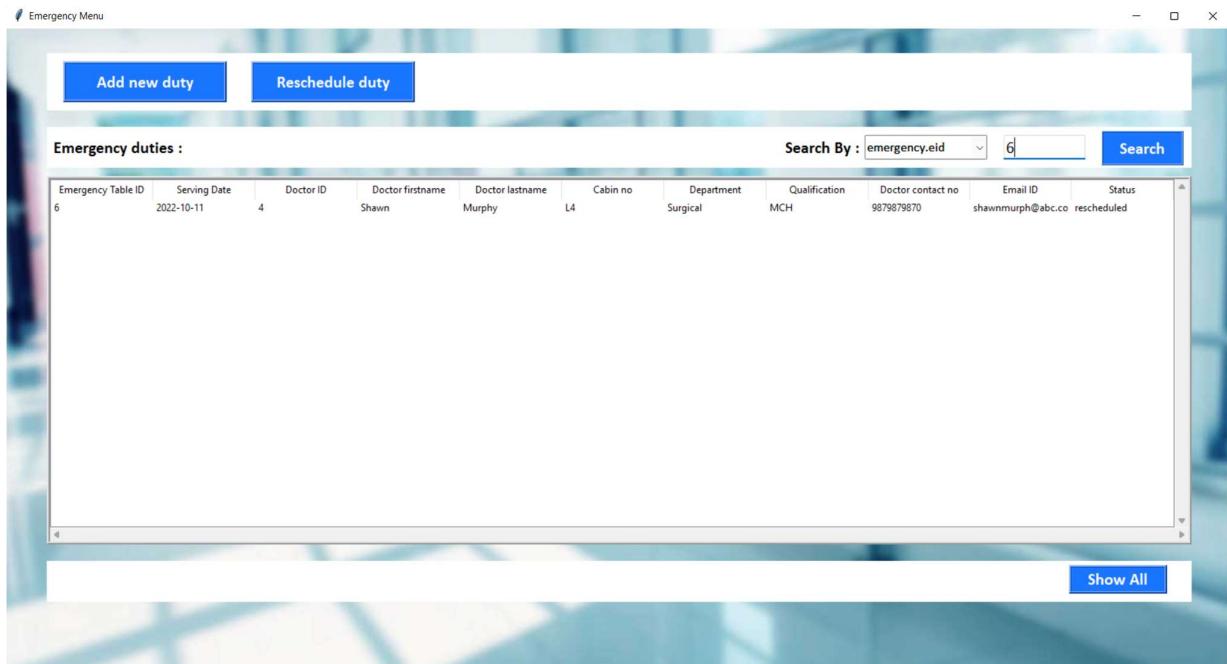
4.6 EMERGENCY WINDOW

- Add new duty button , adds a new duty for doctor on a particular unique date.

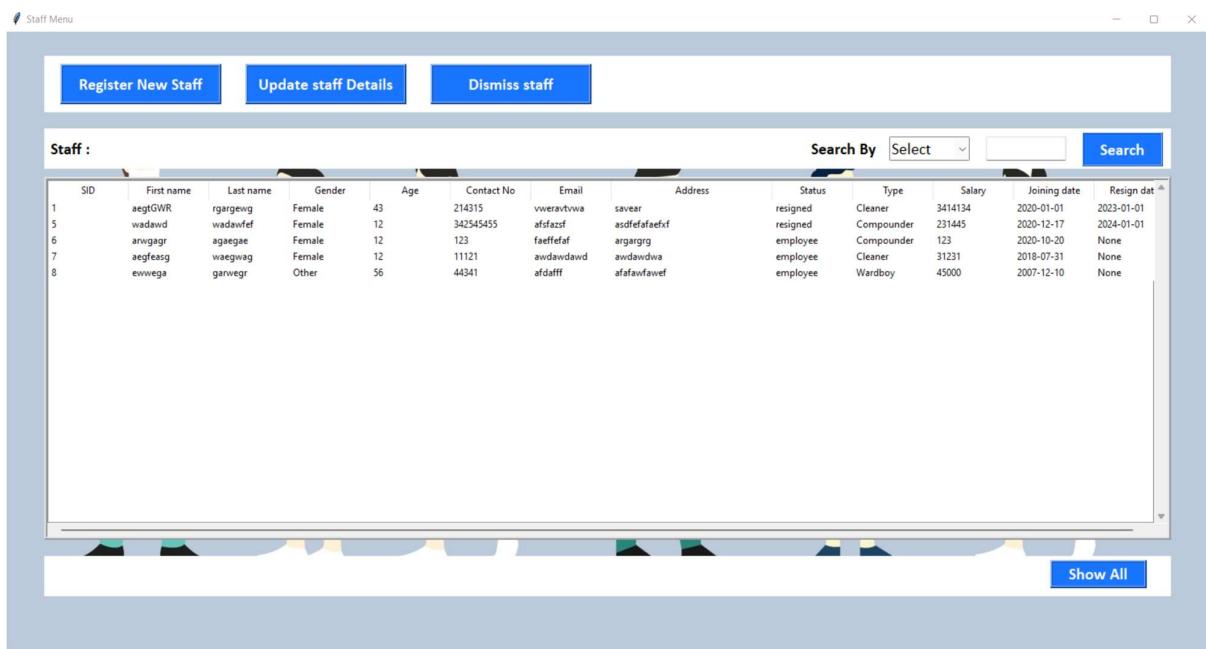


- Reschedule duty button can change the duty for doctor to some another date .

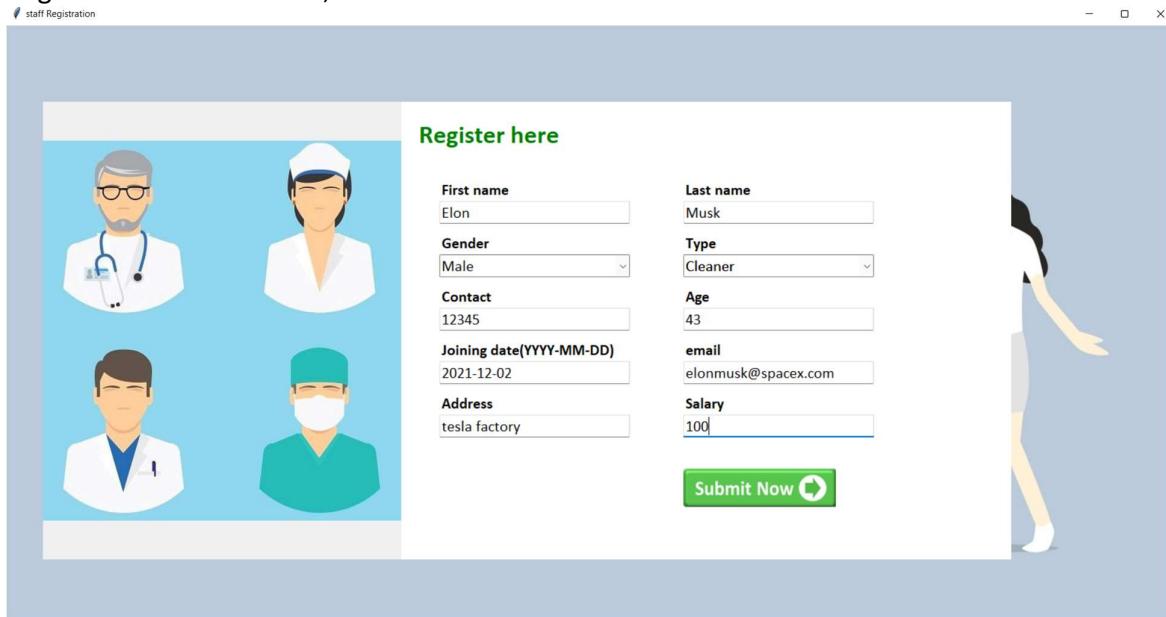




4.7 STAFF WINDOW



- Register new staff button , add new staff to the database



Staff :														Search By	Select	Search
SID	First name	Last name	Gender	Age	Contact No	Email	Address	Status	Type	Salary	Joining date	Resign dat				
1	aegtGWR	rgargewg	Female	43	214315	vweravtvwa	savear	resigned	Cleaner	3414134	2020-01-01	2023-01-01				
5	wadawd	wadawef	Female	12	342545455	afsfazsf	asdfefefafxf	resigned	Compounder	231445	2020-12-17	2024-01-01				
6	anvgagr	agaege	Female	12	123	faeffef	argargr	employee	Compounder	123	2020-10-20	None				
7	aegfeasg	weegwag	Female	12	11121	avdawdawd	avidawda	employee	Cleaner	31231	2018-07-31	None				
8	ewwega	garvegr	Other	56	44341	afdfaff	afafavfavef	employee	Wardboy	45000	2007-12-10	None				
9	Elon	Musk	Male	43	12345	elonmusk@space	tesla factory	employee	Cleaner	100	2021-12-02	None				

- Update Staff Details button changes details of existing staff members.

Update staff Details

SID	9
First Name	Elon
Last name	musk
Age	33
Enter salary	150
Enter Address	tesla terafactory
Enter email	elonmusk@iitr.ac.in
Enter contact no	12345678

Show All

- Search by function fetches entries matching with the given input

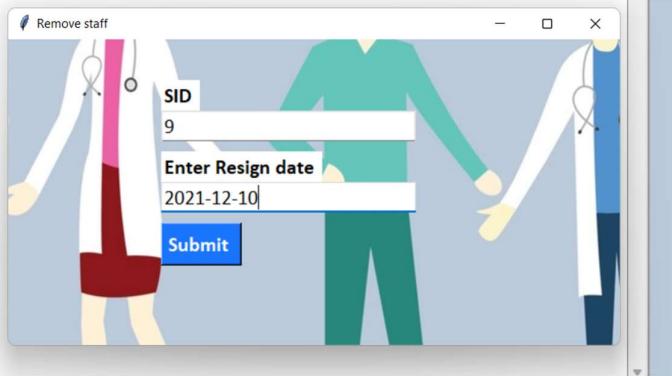
Staff Menu

The screenshot shows a window titled "Staff :". At the top, there are three buttons: "Register New Staff", "Update staff Details", and "Dismiss staff". Below the buttons is a search bar with the text "Search By sid 9" and a "Search" button. A table below the search bar displays staff information. The table has columns: SID, First name, Last name, Gender, Age, Contact No, Email, Address, Status, Type, Salary, Joining date, and Resign date. One row is highlighted for SID 9, which corresponds to the search results shown in the main table.

SID	First name	Last name	Gender	Age	Contact No	Email	Address	Status	Type	Salary	Joining date	Resign date
9	Elon	musk	Male	33	12345678	elonmusk@iitr.ac	tesla terafactory	employee	Cleaner	150	2021-12-02	None

Show All

- Dismiss staff button , removes a staff from hospital database



Staff Menu

The screenshot shows the same window as the previous one, but the staff list table now shows a different set of data. The table includes rows for various staff members with various details. The last row in the table corresponds to the staff member who was dismissed, showing their information and a "resigned" status.

SID	First name	Last name	Gender	Age	Contact No	Email	Address	Status	Type	Salary	Joining date	Resign date
aegtGWR	rgargewg	Female	43	214815	vveravtwia	savear		resigned	Cleaner	341434	2020-01-01	2023-01-01
wadawd	wadawdef	Female	12	342545455	alsfaszf	asdefafafefxf		resigned	Compounder	231445	2020-12-17	2024-01-01
anwagr	agaegae	Female	12	123	faeffefaf	argargrg		employee	Compounder	123	2020-10-20	None
aefgsaq	waegwag	Female	12	11121	awdawdawd	awdawdwa		employee	Cleaner	31231	2018-07-31	None
ewwega	garwegr	Other	56	44341	afdafff	afafawfawef		employee	Wardboy	45000	2007-12-10	None
Elon	musk	Male	33	12345678	elonmusk@iitr.ac	tesla terafactory		resigned	Cleaner	150	2021-12-02	2021-12-10

Show All