

OOP PROJECT REPORT



**Welcome to Schedoc
(Schedule an appointment with doctor)**

Group - 10

It has been developed by:-

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It has been Submitted to Dr Subhrakanta Panda sir

INTRODUCTION:

Schedoc is a software designed to help the patients in making an appointment with the doctor.

It has been developed using.

Front End :- Swing.

Language :- JAVA.

Back End :- MySQL integrated using concepts of JDBC

It has two types of users

1.Doctor

2.Patient

Doctor, who can update their availability and view the appointments, and

Patient, who can schedule an appointment in the available slot.

Resource Used:-

[Java Database Connectivity \(JDBC\) by Navin Reddy](#)

▶ Java GUI ☕ (**Free**)

▶ MySQL Workbench Tutorial | Introduction To MySQL Workbench | MySQL DBA Train...

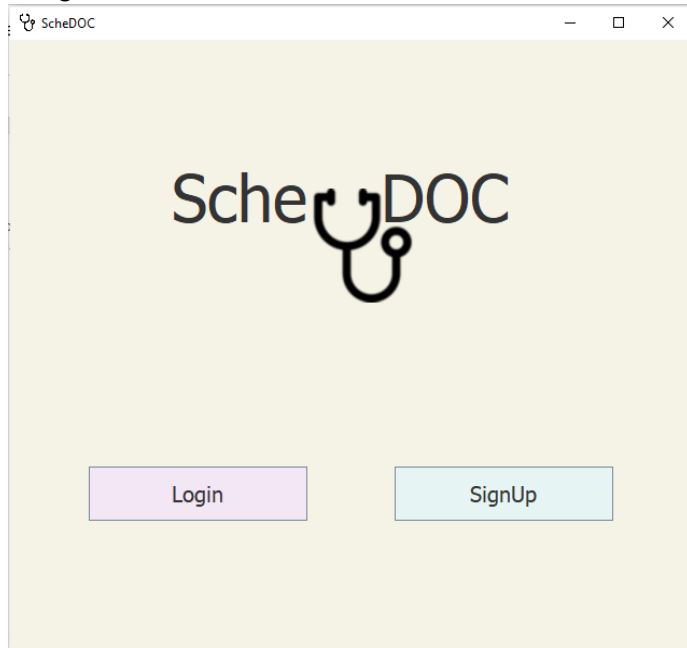
▶ Java Swing Sign Up using Eclipse WindowBuilder

▶ Git and GitHub for Beginners - Crash Course

Challenges Faced:-

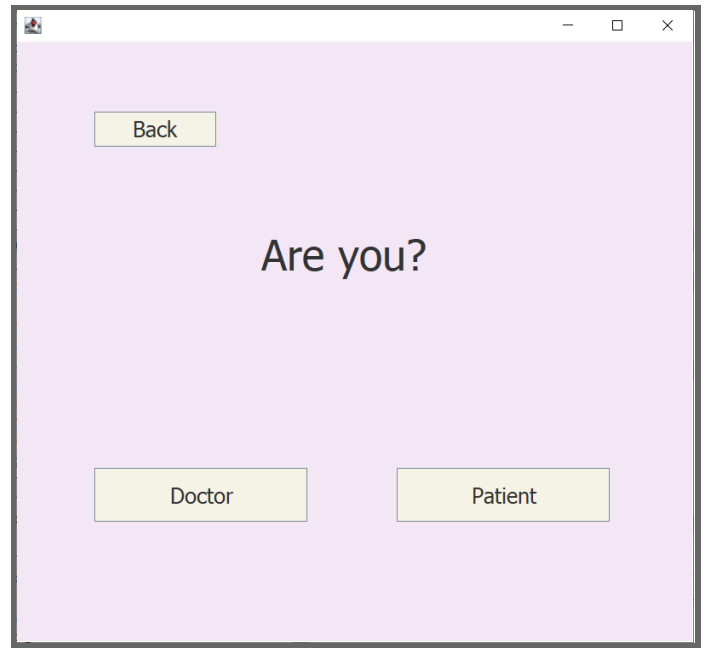
- Coding with swings was a tedious task in the beginning. Then we found Window Builder tool which eased the process.
- For coordinating and sharing code google drive was used in the beginning. After which we learned working with git and github to ease this task.
- First we started the project with implementing file handling then we switched to JDBC concepts and learned it including some tutorials for working with MySQL/.

Greetings I am ScheDOC
this is my Home page here I will ask you if you want to sign up
or login



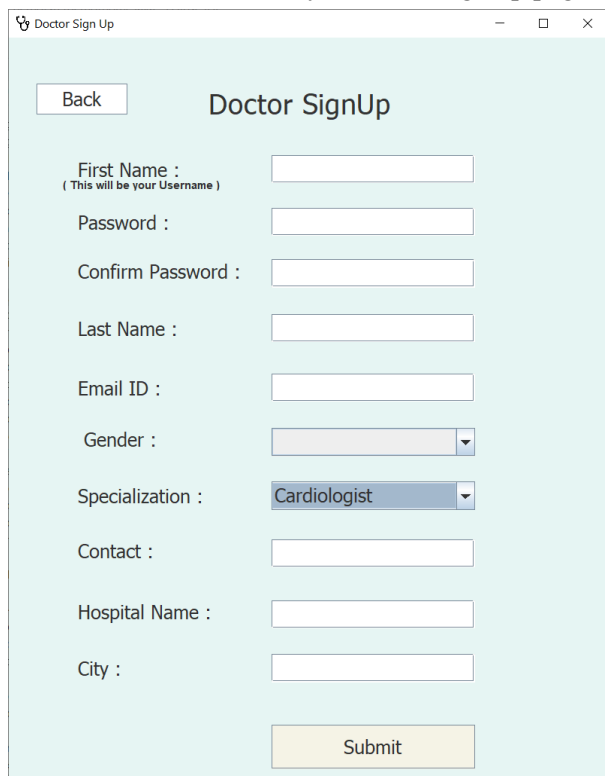
A screenshot of a web browser window titled 'ScheDOC'. The page has a light yellow background. In the center, the text 'ScheDOC' is displayed with a black stethoscope icon integrated into the letter 'e'. At the bottom of the page, there are two buttons: a purple 'Login' button on the left and a light blue 'SignUp' button on the right.

After clicking on sign up It will ask you
Are you a doctor or patient?



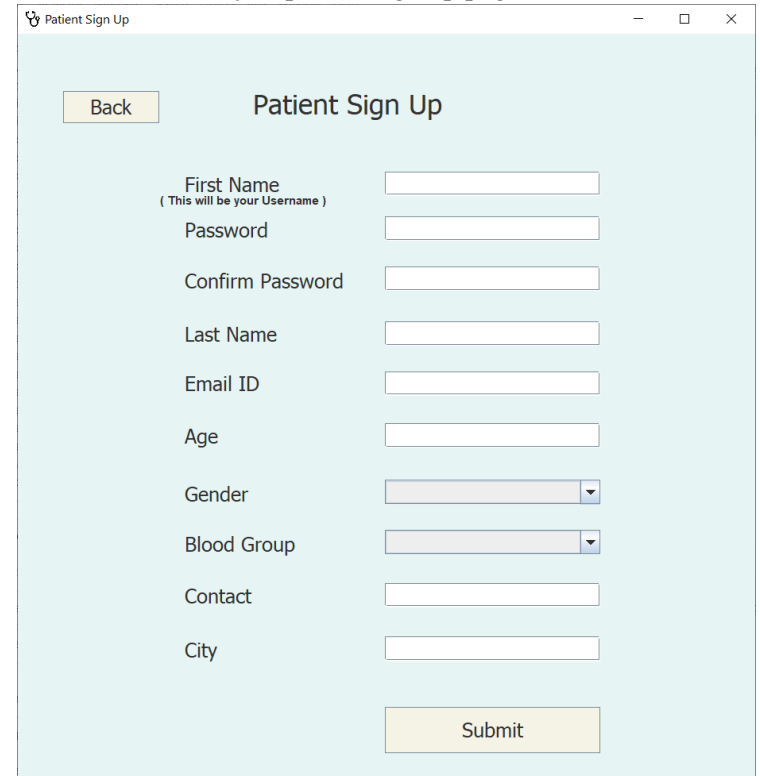
A screenshot of a web browser window with a light purple background. At the top left is a 'Back' button. In the center, the text 'Are you?' is displayed. At the bottom, there are two buttons: a yellow 'Doctor' button on the left and a yellow 'Patient' button on the right.

If you are a doctor i will show you doctor sign up page



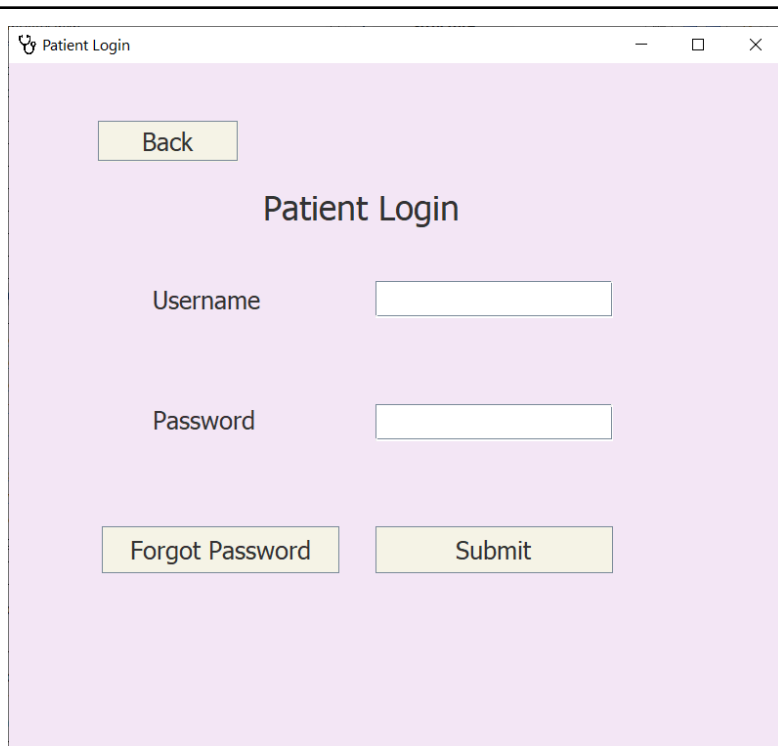
A screenshot of a web browser window titled 'Doctor Sign Up'. The page has a light blue background. At the top left is a 'Back' button. The title 'Doctor SignUp' is centered. Below it, there are several form fields: 'First Name : (This will be your Username)', 'Password :', 'Confirm Password :', 'Last Name :', 'Email ID :', 'Gender :' (a dropdown menu), 'Specialization :' (a dropdown menu with 'Cardiologist' selected), 'Contact :', 'Hospital Name :', and 'City :'. At the bottom right is a yellow 'Submit' button.

Or else i will show you patient sign up page



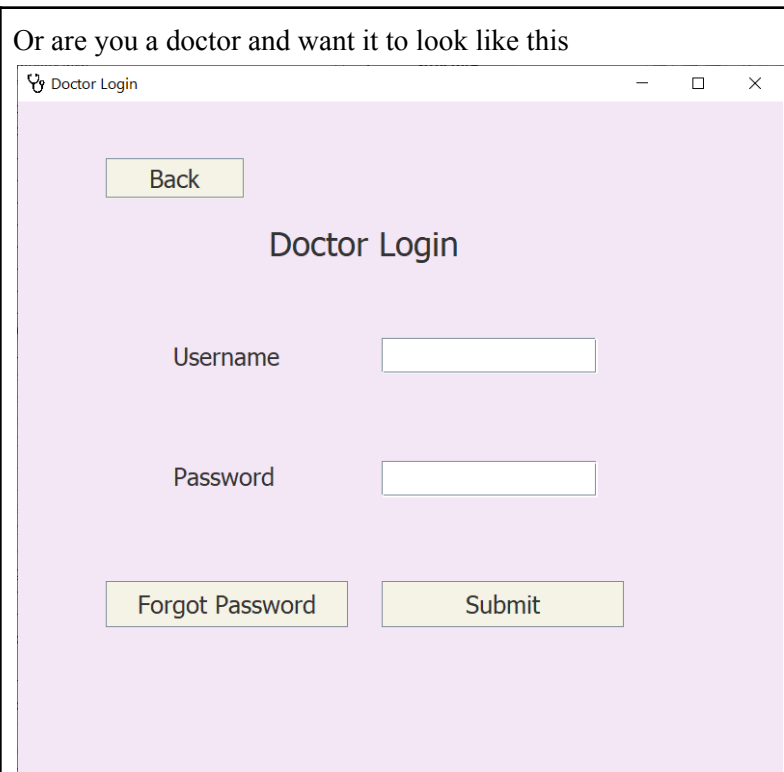
A screenshot of a web browser window titled 'Patient Sign Up'. The page has a light blue background. At the top left is a 'Back' button. The title 'Patient Sign Up' is centered. Below it, there are several form fields: 'First Name (This will be your Username)', 'Password', 'Confirm Password', 'Last Name', 'Email ID', 'Age', 'Gender' (a dropdown menu), 'Blood Group' (a dropdown menu), 'Contact', and 'City'. At the bottom right is a yellow 'Submit' button.

After signing up successfully i will direct you to your respective login page



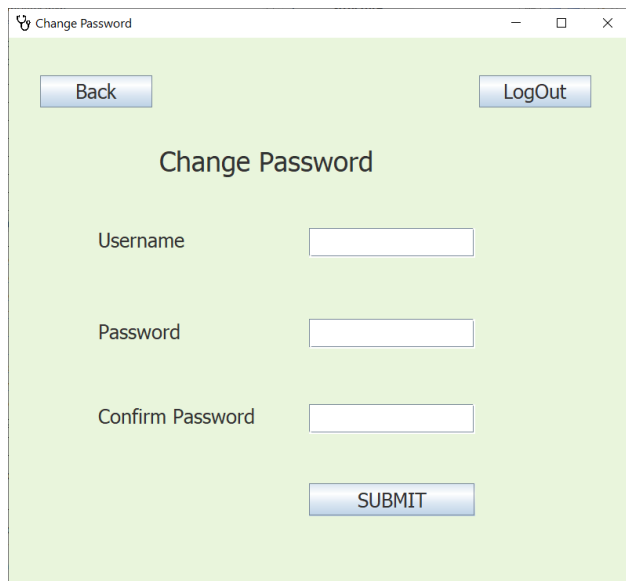
A screenshot of a web browser window titled "Patient Login". The page has a light purple background. At the top left is a "Back" button. The title "Patient Login" is centered. Below it are two input fields: "Username" and "Password". At the bottom are two buttons: "Forgot Password" and "Submit".

Looks like this if you are a patient



A screenshot of a web browser window titled "Doctor Login". The page has a light purple background. At the top left is a "Back" button. The title "Doctor Login" is centered. Below it are two input fields: "Username" and "Password". At the bottom are two buttons: "Forgot Password" and "Submit".

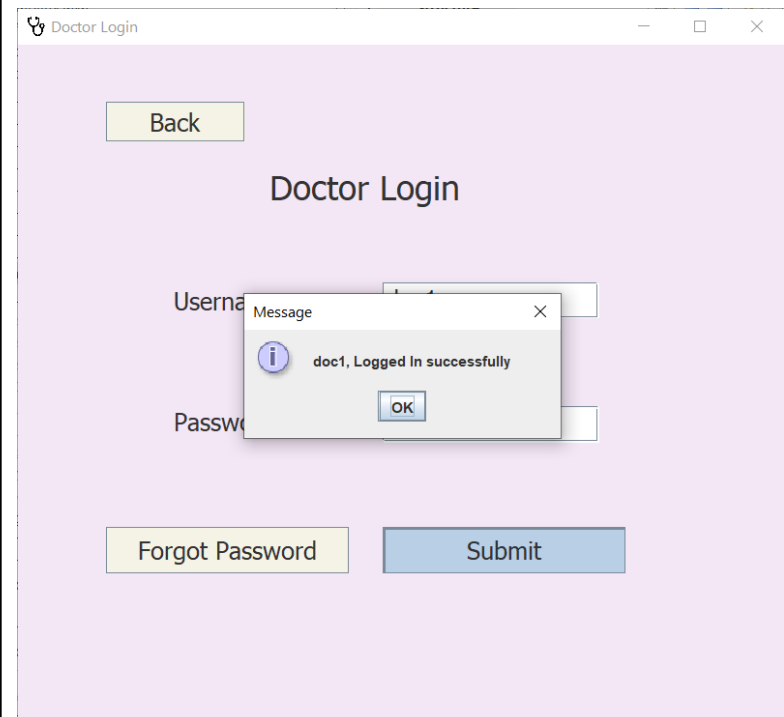
Or have you forgotten your password no worries click on forgot password



A screenshot of a web browser window titled "Change Password". The page has a light green background. At the top left is a "Back" button and at the top right is a "LogOut" button. The title "Change Password" is centered. Below it are three input fields: "Username", "Password", and "Confirm Password". At the bottom is a "SUBMIT" button.

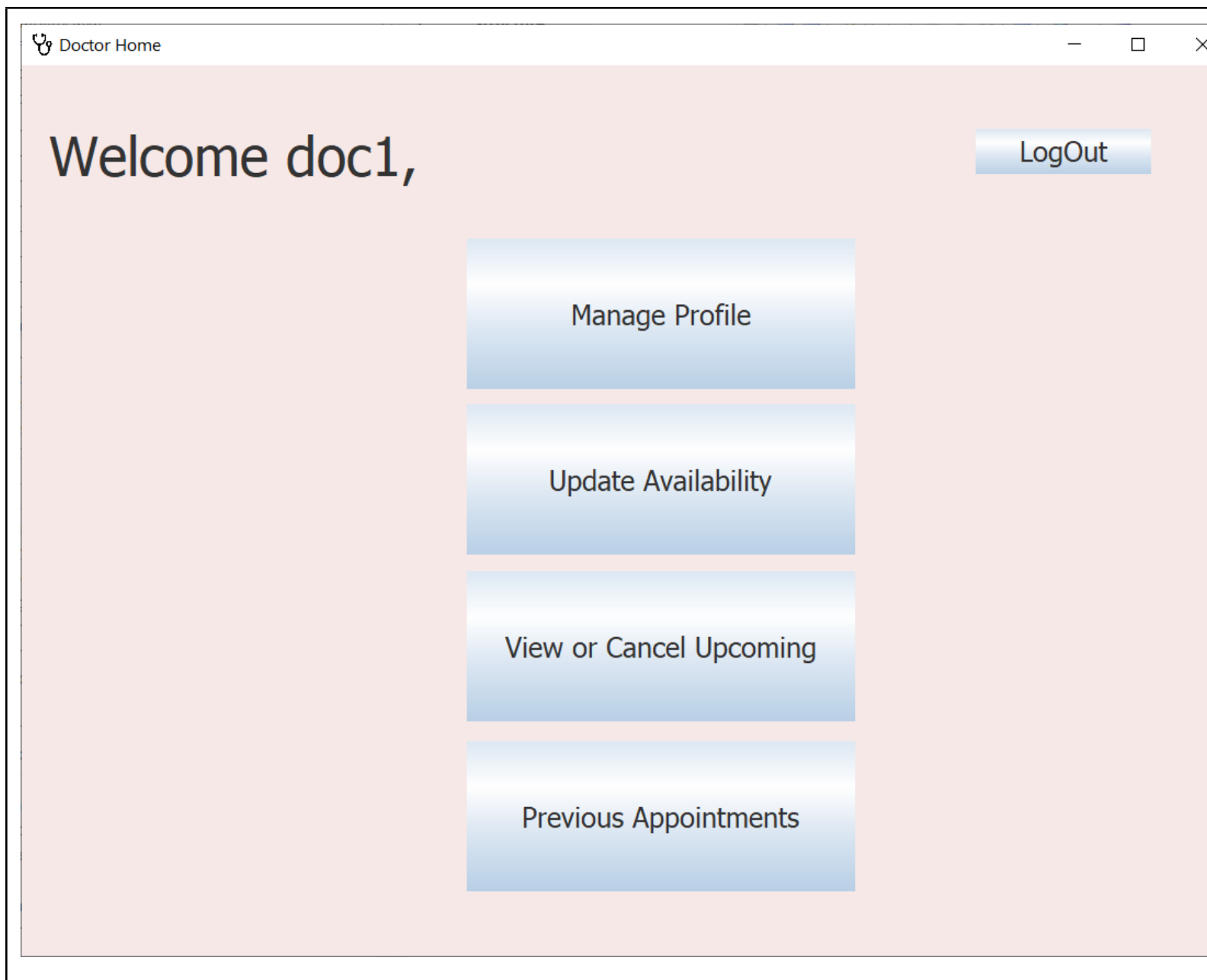
Forgot Password will open this page you can change your Password from here After which i will navigate you to login page

Fill in the details to login successfully make sure you use the right credentials i won't allow you in else.



A screenshot of a web browser window titled "Doctor Login". The page has a light purple background. At the top left is a "Back" button. The title "Doctor Login" is centered. Below it are two input fields: "Username" and "Password". At the bottom are two buttons: "Forgot Password" and "Submit". A message box is overlaid on the form, displaying "Message" with an information icon, "doc1, Logged In successfully", and an "OK" button.

Congratulations on a successful login now let me give you a orientation about how to use me



This is how your profile will look like. Notice different options. Let's check them out one by one.

Manage Profile

First Name: doc1

Last Name: doc1

Email ID: doc1@gmail.com

Gender: Male

Specialization: Cardiologist

Contact: 9999999999

Hospital: Yashoda

City: Hyderabad

Change Password Submit

Selecting Manage Profile option will redirect you to the above page here you can update your details as you wish except your username which is fixed and can not be changed.

Availability

Available Days:
(Select your schedule for next 7 days)

☒ Monday ☐ Thursday ☐ Sunday
☒ Tuesday ☐ Friday
☒ Wednesday ☐ Saturday

Available Time:
Start Time = 9:00
End Time = 18:00

Submit

Choosing Update Availability will redirect you to the above page. You can inform the patients on which days you are in the hospital from when to when

Upcoming Appointments

Appointment_Id	Patient	Time	Date	Reason
4	Pat1	12:30	Tue, 20 Jul 2021	Headache
1	pat2	12:45	Tue, 20 Jul 2021	Heart pain

Cancel Appointment

Enter Appointment ID:

Cancel

Choosing View or Cancel Upcoming option opens this page all your appointments are listed in a tabular format here if you wish to cancel any appointment list the appointment id and press on cancel.

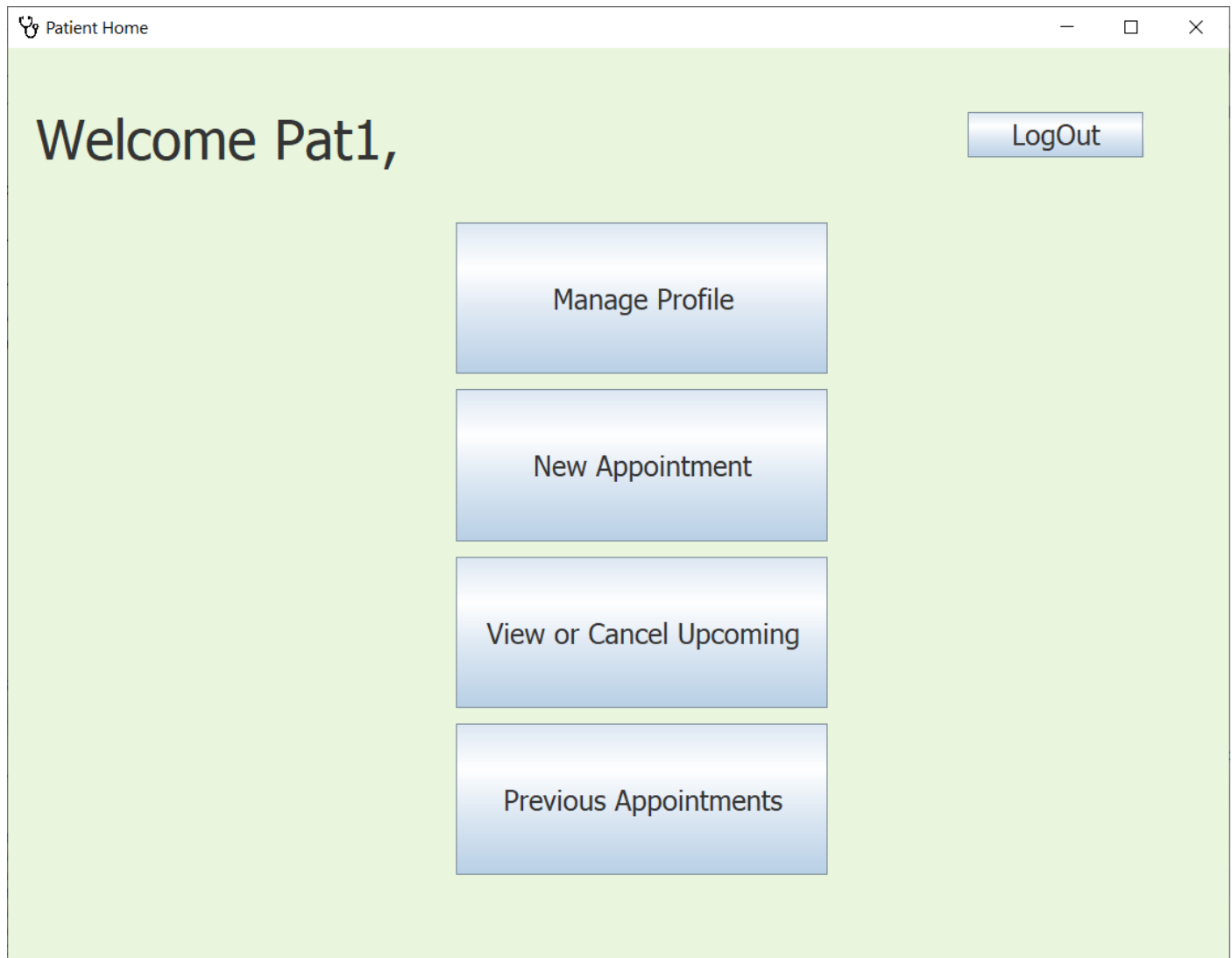
Appointments History

Appointment_Id	Patient	Time	Date	Reason
2	Pat1	12:30	Mon, 19 Jul 2021	Heart checkup

Previous Appointments option contains the history of your appointments

Now let us look how patients can use me

Here is how they see me after a successful login



Notice different options. Let's check them out one by one.

Profile

Back Manage Profile LogOut

First Name Pat1

Last Name patient1

Email ID patient1@gmail.com

Age 50

Contact 9999999999

City Hyderabad

Gender Female

Blood Group A+

Change Password Submit

Selecting Manage Profile option will redirect you to the above page where you can update your details as you wish, except your username which is fixed and can not be changed.

New Appointment

Back Schedule Appointment

Specialization : Cardiologist

Date : 19-07-2021

Check

For scheduling an appointment just click on new appointment and i will open the above page
Choose the category of doctor and date of appointment here then click on check

New Appointment

Back Schedule Appointment

Specialization : Cardiologist

Date : 20-07-2021

Check

Available Doctors : doc1

Book

After opening the above list select the doctor you wish and click on book

Choose Slot

Doctor : Dr.Srikanth Addala Contact : 9563257952 Reason :

Role : Gastroenterologist Hospital : Spark Hospitals

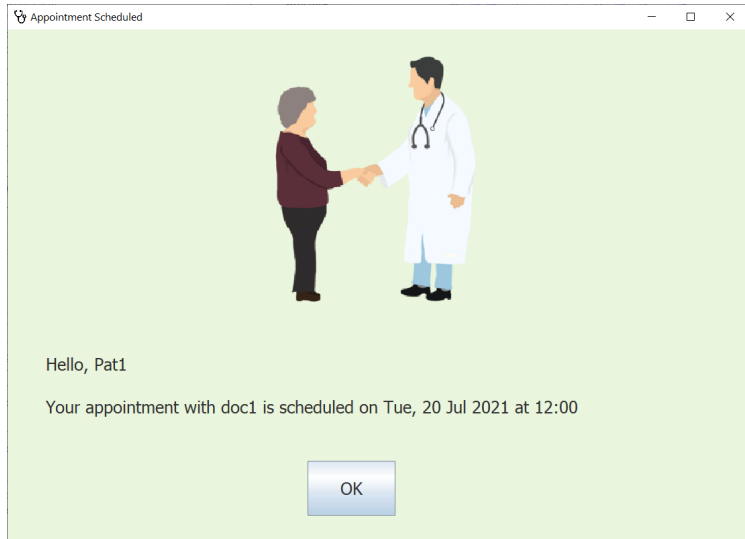
Gender : Male City : Hyderabad

Timings : 9:00 to 20:00

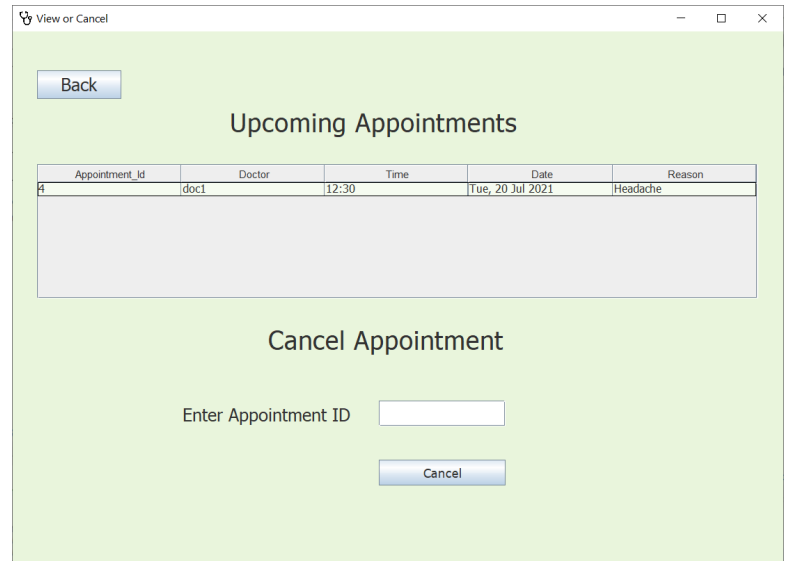
Back Submit

Morning :	9:00	9:30	10:00	10:30	11:00
Midday :	11:30	12:00	12:30	13:00	13:30
Afternoon :	14:00	14:30	15:00	15:30	16:00
Evening :	16:30	17:00	17:30	18:00	18:30
Night :	19:00	19:30	20:00	20:30	21:00

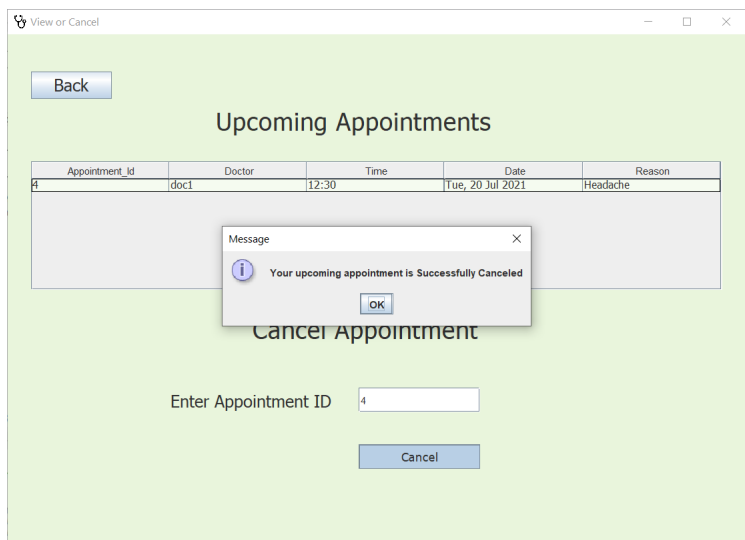
I will open this page for you here. Available slots will be in light blue colour while already book slots will be in red colour make sure to give reason for the appointment.



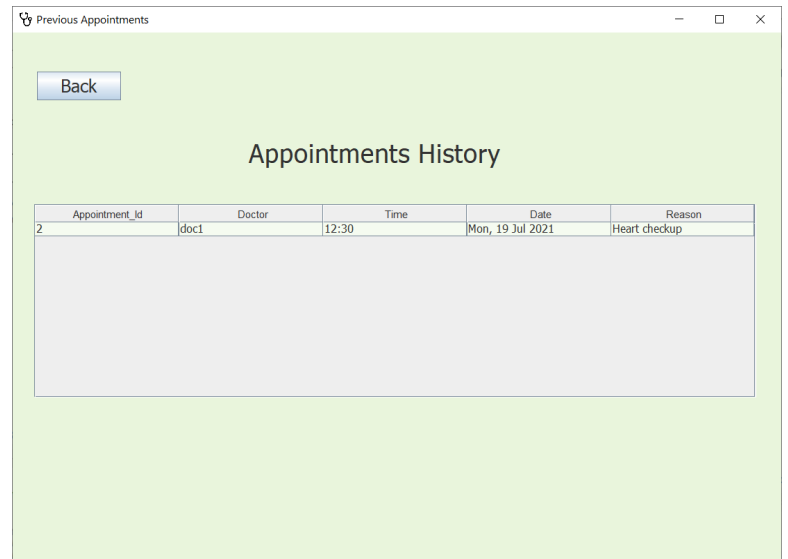
You will get this confirmation message from me .



You can also cancel an appointment if you wish to just enter the appointment id and click on



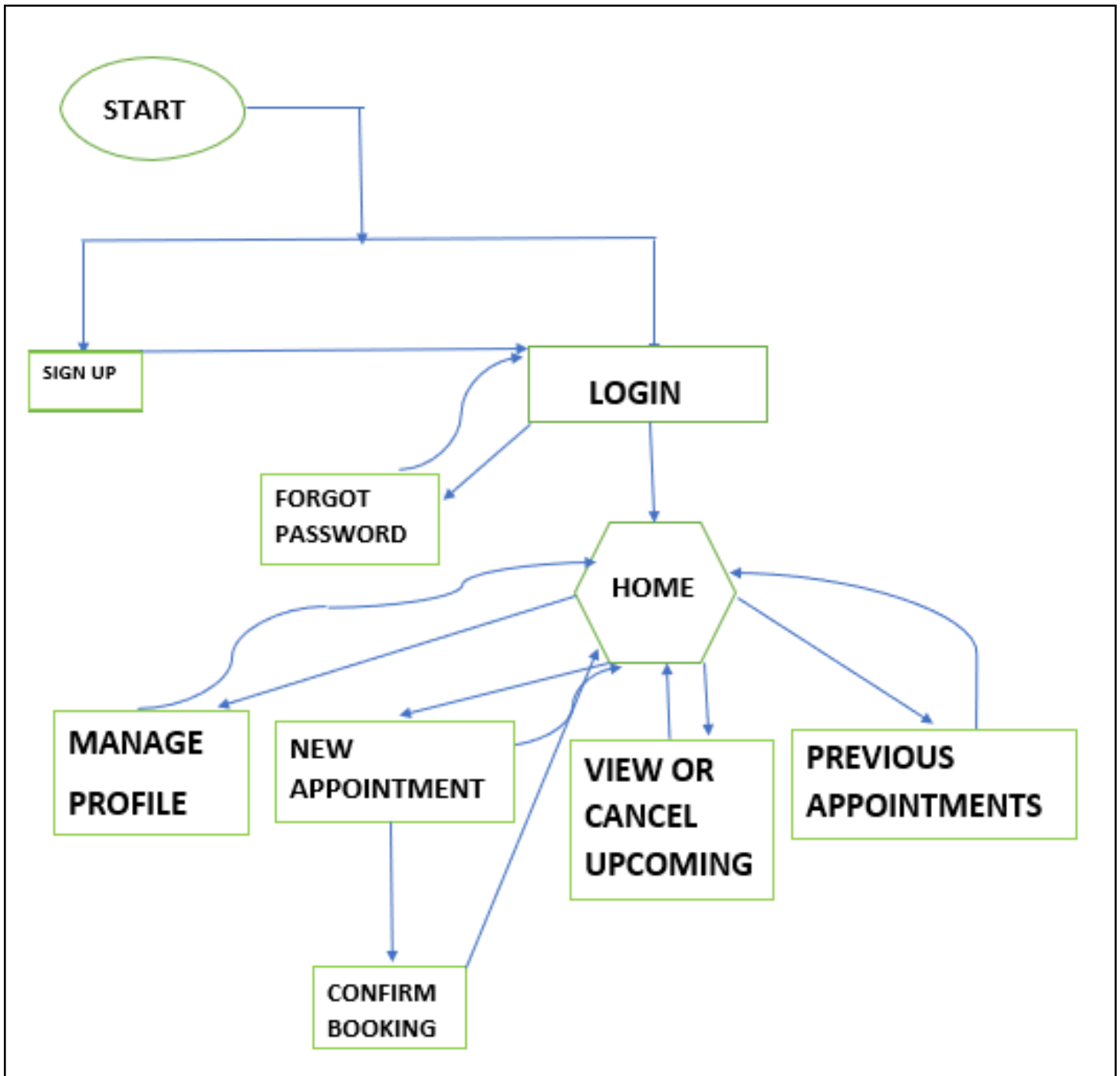
Wait for this message to Pop Up for a successful appointment cancellation



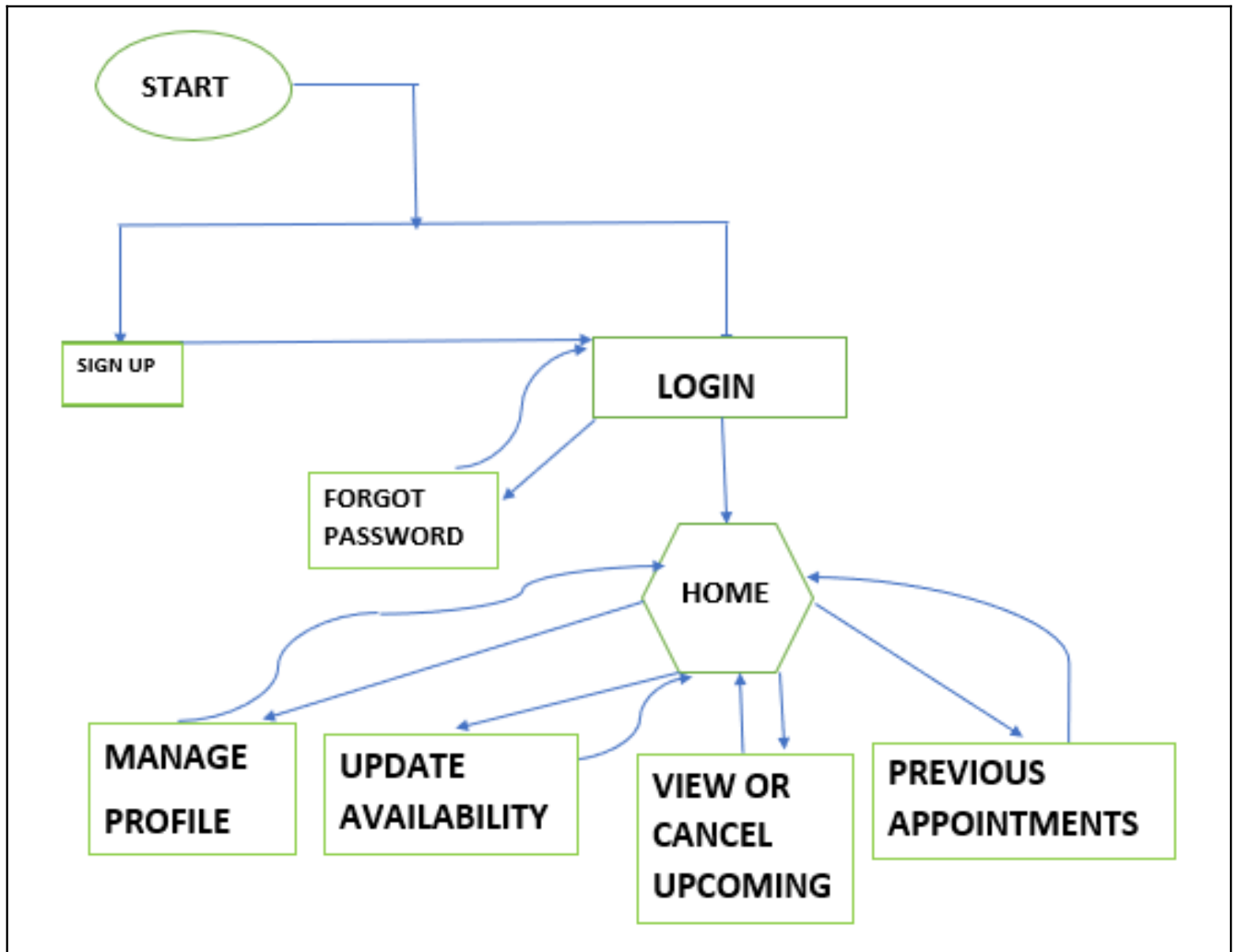
Wish to know the previous history Yeah i can show that to you

Let me sum it up

This flow chart briefly explains you how a patient should use me



This flow chart briefly explains you how a doctor should use me



The Database is stored using 4 tables

Table Name: pat Schema: alien

Charset/Collation: utf8mb4 utf8mb4_0900_ai_ci Engine: InnoDB

Comments:

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
id	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
username	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
password	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
age	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
gender	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
bloodg	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
contact	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
city	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
name	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
email	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Table storing Patient Data

Table Name: doc_avail Schema: alien

Charset/Collation: utf8mb4 utf8mb4_0900_ai_ci Engine: InnoDB

Comments:

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
id	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
doc_id	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
man	TINYINT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
wed	TINYINT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
thu	TINYINT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
fri	TINYINT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
sat	TINYINT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
sun	TINYINT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
start	INT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
end	INT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL

Table storing the data for availability of the doctor

Table Name: doc Schema: alien

Charset/Collation: utf8mb4 utf8mb4_0900_ai_ci Engine: InnoDB

Comments:

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
id	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
username	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
password	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
field	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
gender	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
name	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
email	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
contact	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
hospital	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
city	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Table storing the data of a doctor

Table Name: appointment Schema: alien

Charset/Collation: utf8mb4 utf8mb4_0900_ai_ci Engine: InnoDB

Comments:

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
id	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
doc_fk	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
pat_fk	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
slotnum	INT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
time	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
date	VARCHAR(45)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
details	TEXT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
full_time	DATETIME	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL

Table storing the data of the appointments

Conclusion :

The utility of ScheDoc extends to doctors as well as the patients. It is developed to provide a good and comfortable experience to the users which is accomplished by its very friendly and self explanatory user interface

This application is designed with keeping in mind the viewpoint of doctor as well as patient