

# **BookDoc - A Patient Appointment Booking and Management Website**

By Jaysel Silveira

## **TECHNOLOGIES USED:-**

**Frontend development** - HTML, CSS, JavaScript

**Backend development** - PHP

**Database** - MySQL

## **DESCRIPTION:-**

BookDoc is a platform where a patient can book appointments with a doctor and a doctor can view the pending appointments. The admin monitors the overall working of the system.

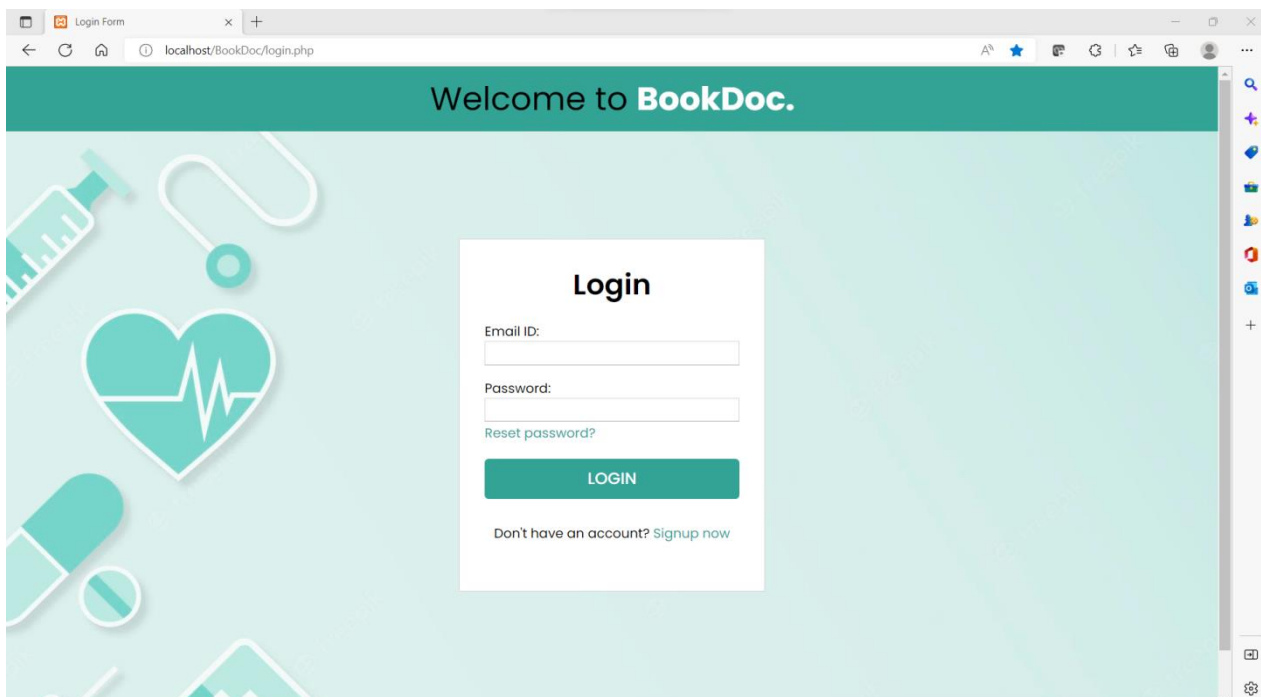
The main purpose of this mini project is to understand and demonstrate the basic functionalities of Add, Modify, Delete and Display.

## **IMPLEMENTATION:-**

### **1. Login Screen**

Input of the Username and Password are taken from the user. Upon validation, the user is given access to the respective view. There can be 3 types of users - Admin, Patient, and Doctor. All the 3 types of users have different views.

A SELECT query has been used to validate the data entered.

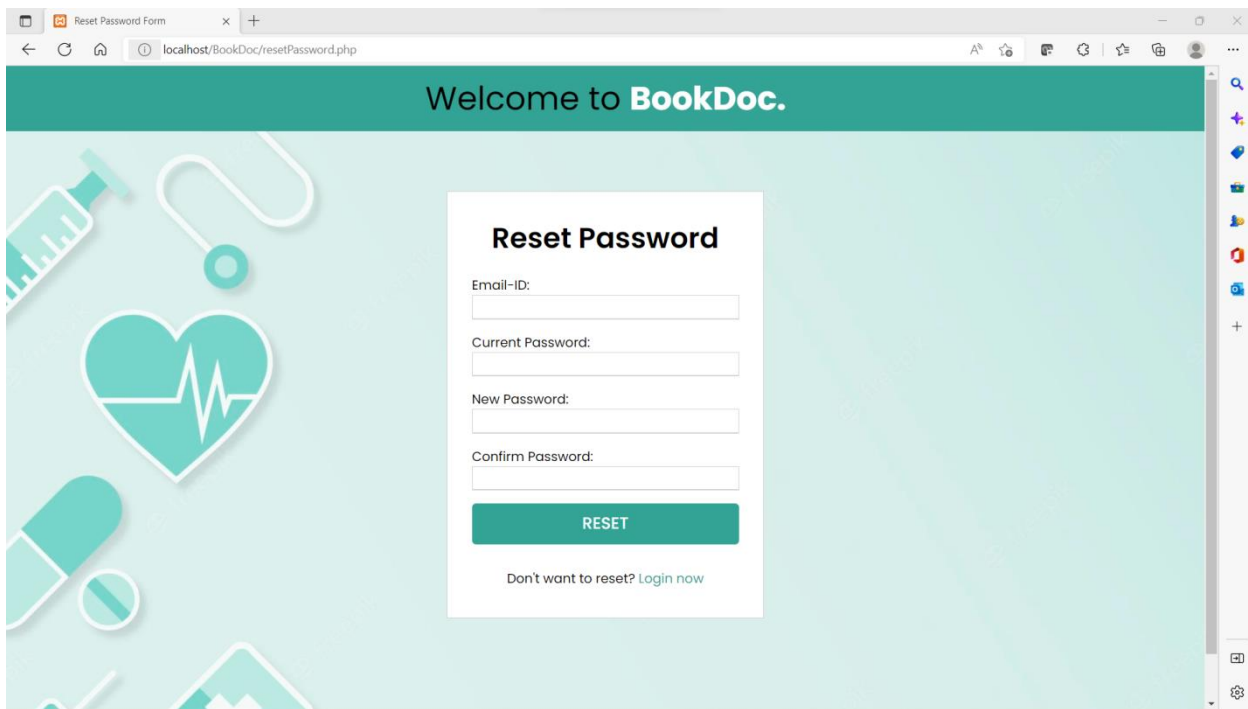


## 2. Reset Password

There is a functionality to reset the password if the user wants to.

A SELECT query has been used to validate the email id and current password entered.

An UPDATE query has been used to update the existing password with the new password entered in the database.

A screenshot of a web browser displaying a 'Reset Password Form' for 'BookDoc'. The browser's address bar shows 'localhost/BookDoc/resetPassword.php'. The page has a teal header with the text 'Welcome to BookDoc.'. The main content area has a light teal background with medical-themed illustrations (a syringe, a stethoscope, a heart with an ECG line, and a pill). In the center is a white form titled 'Reset Password'. The form contains four text input fields labeled 'Email-ID:', 'Current Password:', 'New Password:', and 'Confirm Password:'. Below these fields is a teal 'RESET' button. At the bottom of the form, there is a link that says 'Don't want to reset? Login now'. The browser's sidebar on the right shows various application icons.

## 3. Registration Screen

If the user is a new user, then he/she can register by entering data like the first name, last name, date of birth, contact number, location, photograph, email id, password and submitting by clicking a submit button.

A date picker has been used for taking input of the date of birth, a dropdown has been used for taking input of the location, email and password type of inputs have been used for taking inputs of email-id and password respectively, while the rest are text fields.

An INSERT query has been used to add the data entered to the database.

Welcome to **BookDoc.**

### Signup

First Name:

Last Name:

Date of Birth:

Location:

Image:  No file chosen

Contact Number:

Email ID:

Password:

**SIGNUP**

Already have an account? [Login now](#)

## 4. Homepage

There are different views for an admin, a patient and a doctor.

### i. Admin Dashboard

The details of the patients as well as those of the doctors can be viewed on the admin dashboard using the same filters mentioned below.

#### Patients' Details

**BookDoc.**

adminbookdoc@gmail.com

**PATIENTS**

**DOCTORS**

### The **PATIENTS'** details

Search..   Name

| Image | Username         | Age | Location | Contact Number | Email-ID              |  |
|-------|------------------|-----|----------|----------------|-----------------------|--|
|       | Jayseil Silveira | 20  | Ponda    | 9877773220     | jayseil0013@gmail.com | <input type="button" value="=&lt;"/> <input type="button" value="=&gt;"/> <input type="button" value="X"/> |
|       | Thomas Fernandes | 25  | Tiswadi  | 9876543210     | thomas@gmail.com      | <input type="button" value="=&lt;"/> <input type="button" value="=&gt;"/> <input type="button" value="X"/> |
|       | Leo Dias         | 37  | Bardez   | 8887776690     | leo@gmail.com         | <input type="button" value="=&lt;"/> <input type="button" value="=&gt;"/> <input type="button" value="X"/> |
|       | Jane Silveira    | 22  | Ponda    | 7895477890     | jane@gmail.com        | <input type="button" value="=&lt;"/> <input type="button" value="=&gt;"/> <input type="button" value="X"/> |
|       | Anisha Naik      | 24  | Sanguem  | 9987334567     | anisha@gmail.com      | <input type="button" value="=&lt;"/> <input type="button" value="=&gt;"/> <input type="button" value="X"/> |

## Doctors' Details

adminbookdoc@gmail.com

**PATIENTS**

**DOCTORS**

### The DOCTORS' details

Search..  Name

| Image | Username       | Specialization | Age | Location | Contact Number | Email-ID          |  |
|-------|----------------|----------------|-----|----------|----------------|-------------------|--|
|       | James Sequeira | Dentist        | 39  | Tiswadi  | 7865432183     | drjames@gmail.com | <input type="button" value="Edit"/> <input type="button" value="Delete"/> <input type="button" value="Add"/> |
|       | Megha Shet     | Immunologist   | 51  | Mormugao | 9427849218     | drmegha@gmail.com | <input type="button" value="Edit"/> <input type="button" value="Delete"/> <input type="button" value="Add"/> |

The admin dashboard has a header at the top, followed by the filter section and then the main details.

The header consists of the website name and a Logout button which could be clicked to logout.

On the filter section, there are filters like search by username, sort by username, age or location, change view, add new patient or add new doctor.

Search By Username using a SELECT query with WHERE and LIKE clauses

adminbookdoc@gmail.com

**PATIENTS**

**DOCTORS**

### The PATIENTS' details

sil  **SEARCH BY USERNAME** Name

| Image | Username        | Age | Location | Contact Number | Email-ID             |  |
|-------|-----------------|-----|----------|----------------|----------------------|--|
|       | Jaysel Silveira | 20  | Ponda    | 9877773220     | jaysel0013@gmail.com | <input type="button" value="Edit"/> <input type="button" value="Delete"/> <input type="button" value="Add"/> |
|       | Jane Silveira   | 22  | Ponda    | 7895477890     | jane@gmail.com       | <input type="button" value="Edit"/> <input type="button" value="Delete"/> <input type="button" value="Add"/> |

Sort By Username using a SELECT query with ORDER BY clause

The screenshot shows the 'BookDoc.' Admin Dashboard. The left sidebar has a green background with the email 'adminbookdoc@gmail.com' and two red buttons: 'PATIENTS' and 'DOCTORS'. The main content area has a teal header with 'The PATIENTS' details' and a search bar. Below the header is a table of patients. The 'SORT BY' dropdown is set to 'Name'. The table lists five patients: Anisha Naik, Jane Silveira, Jaysel Silveira, Karan Wahi, and Leo Dias, sorted by their Username.

| Image | Username        | Age | Location | Contact Number | Email-ID             |  |
|-------|-----------------|-----|----------|----------------|----------------------|--|
|       | Anisha Naik     | 24  | Sanguem  | 9987334567     | anisha@gmail.com     |  |
|       | Jane Silveira   | 22  | Ponda    | 7895477890     | jane@gmail.com       |  |
|       | Jaysel Silveira | 20  | Ponda    | 9877773220     | jaysel0013@gmail.com |  |
|       | Karan Wahi      | 41  | Sattari  | 8765990982     | karan@gmail.com      |  |
|       | Leo Dias        | 37  | Bardez   | 8887776690     | leo@gmail.com        |  |

Sort By Age using a SELECT query with ORDER BY clause

The screenshot shows the 'BookDoc.' Admin Dashboard. The left sidebar has a green background with the email 'adminbookdoc@gmail.com' and two red buttons: 'PATIENTS' and 'DOCTORS'. The main content area has a teal header with 'The PATIENTS' details' and a search bar. Below the header is a table of patients. The 'SORT BY' dropdown is set to 'Age'. The table lists five patients: Jaysel Silveira, Jane Silveira, Maria Dias, Anisha Naik, and Thomas Fernandes, sorted by their Age.

| Image | Username         | Age | Location | Contact Number | Email-ID             |  |
|-------|------------------|-----|----------|----------------|----------------------|--|
|       | Jaysel Silveira  | 20  | Ponda    | 9877773220     | jaysel0013@gmail.com |  |
|       | Jane Silveira    | 22  | Ponda    | 7895477890     | jane@gmail.com       |  |
|       | Maria Dias       | 23  | Quepem   | 9873693864     | maria@gmail.com      |  |
|       | Anisha Naik      | 24  | Sanguem  | 9987334567     | anisha@gmail.com     |  |
|       | Thomas Fernandes | 25  | Tiswadi  | 9876543210     | thomas@gmail.com     |  |

Sort By Location using a SELECT query with ORDER BY clause

| Image | Username        | Age | Location | Contact Number | Email-ID             |
|-------|-----------------|-----|----------|----------------|----------------------|
|       | Leo Dias        | 37  | Bardez   | 8887776690     | leo@gmail.com        |
|       | Jaysel Silveira | 20  | Ponda    | 9877773220     | jaysel0013@gmail.com |
|       | Jane Silveira   | 22  | Ponda    | 7895477890     | jane@gmail.com       |
|       | Maria Dias      | 23  | Quepem   | 9873693864     | maria@gmail.com      |
|       | RP K            | 34  | Quepem   | 9065204546     | rpk@gmail.com        |

The main details could be viewed either in a list view or in a grid view.

List View

| Image | Username         | Age | Location | Contact Number | Email-ID             |
|-------|------------------|-----|----------|----------------|----------------------|
|       | Jaysel Silveira  | 20  | Ponda    | 9877773220     | jaysel0013@gmail.com |
|       | Thomas Fernandes | 25  | Tiswadi  | 9876543210     | thomas@gmail.com     |
|       | Leo Dias         | 37  | Bardez   | 8887776690     | leo@gmail.com        |
|       | Jane Silveira    | 22  | Ponda    | 7895477890     | jane@gmail.com       |
|       | Anisha Naik      | 24  | Sanguem  | 9987334567     | anisha@gmail.com     |

In a list view, the details like the photograph, username, age, contact number, location, email id of each user are displayed on each row of a table.

At the end of each row, there are options to view appointments, edit or delete a particular user's information.

An UPDATE query has been used to edit the account of a particular user.

A DELETE query has been used to delete the account of a particular user.



## Edit Page

**BookDoc.**

### Edit Page

Username: Jaysel Silveira

Date of Birth: 29/08/2002

Location: Select a Taluka

Image: Choose File No file chosen

Current Image:

Contact Number: 987773220

Email ID: jaysel0013@gmail.com

**SAVE CHANGES**

## Grid View

**BookDoc.**

adminbookdoc@gmail.com

**PATIENTS**

**DOCTORS**

### The PATIENTS' details

Search..

Name

**CHANGE VIEW**

**Grid of Patient Cards:**

- Jaysel Silveira**  
Age: 20  
Location: Ponda  
Contact: 987773220  
Email-ID: jaysel0013@gmail.com
- Thomas Fernandes**  
Age: 25  
Location: Tiswadi  
Contact: 9876543210  
Email-ID: thomas@gmail.com
- Leo Dias**  
Age: 37  
Location: Bardez  
Contact: 8887776690  
Email-ID: leo@gmail.com

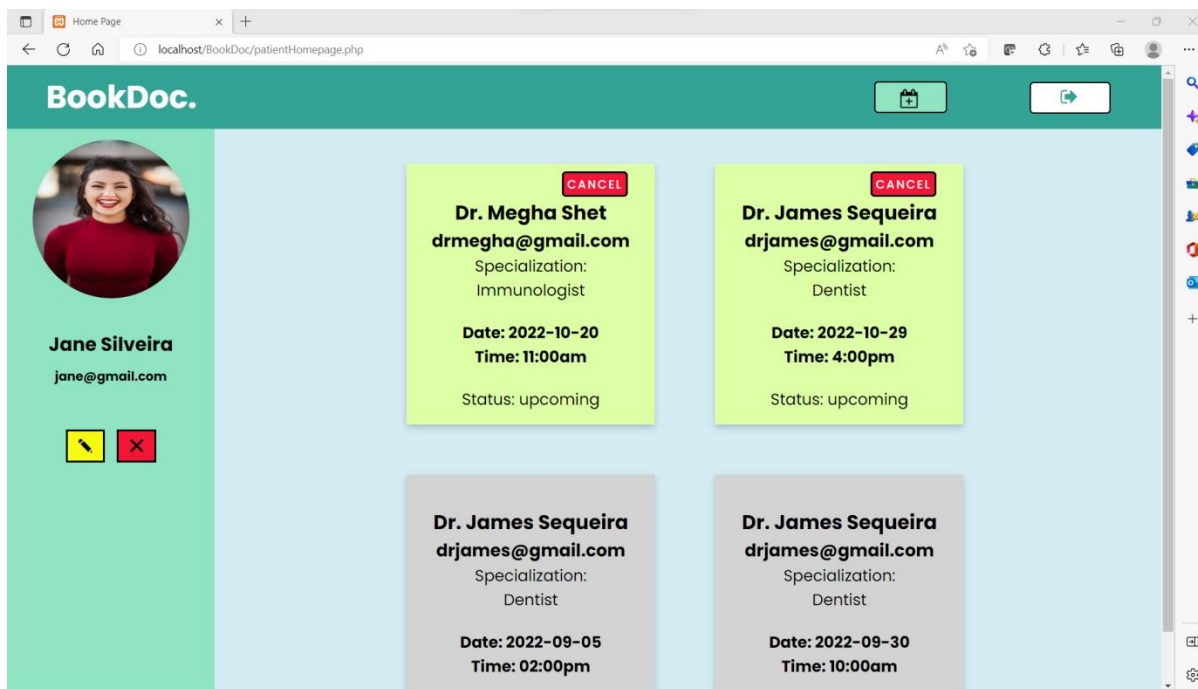
In a grid view, the details of each user are displayed as an individual card.

A SELECT query with different clauses has been used to display the data in the different ways required.

The admin can also add a new patient or add a new doctor. An INSERT query is used to do so.

## ii. Patient Homepage

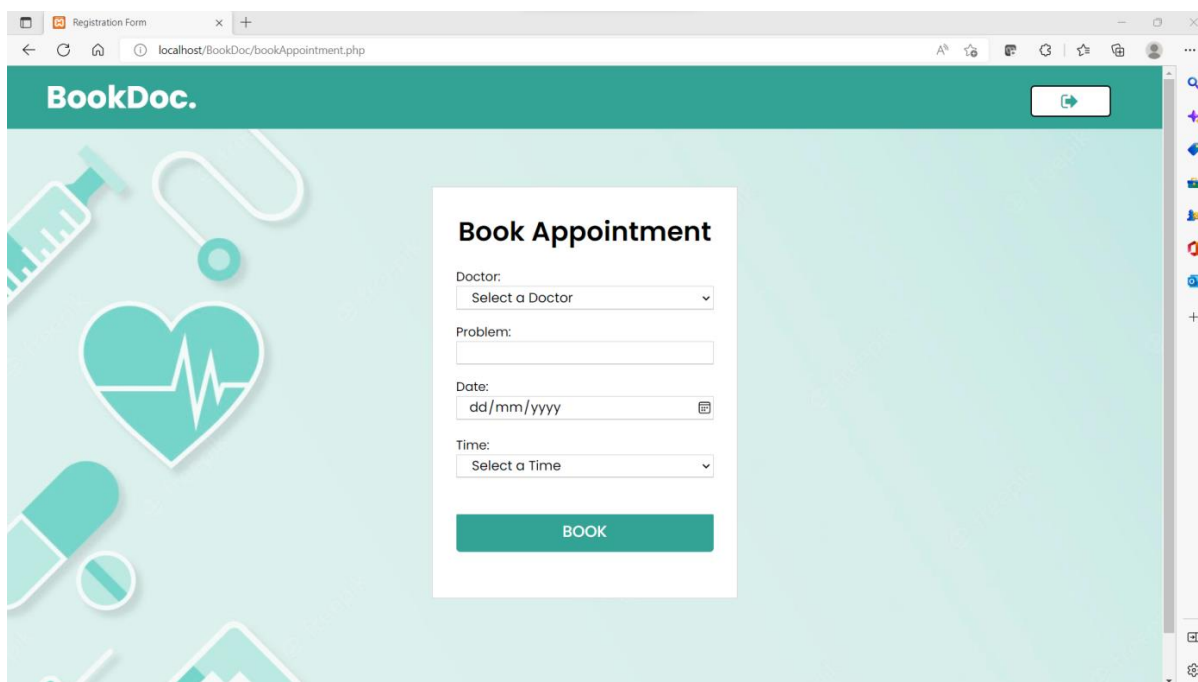
This is the view for the patients.



The details of the patient who has logged in are displayed on the sidebar at the left hand side. A patient can also edit and delete his/her account.

There is a functionality to book appointments with a doctor. This can be done by clicking on the 'Book Appointment' button on the header.

## Book Appointments



An appointment can be booked by entering the required data and clicking on the 'Book' button.



An INSERT query has been used to add a new appointment to the database.

A patient could choose specialists based on the type of illness.

All the upcoming as well as already completed appointments of the patient with various doctors get displayed on the Patient Homepage.

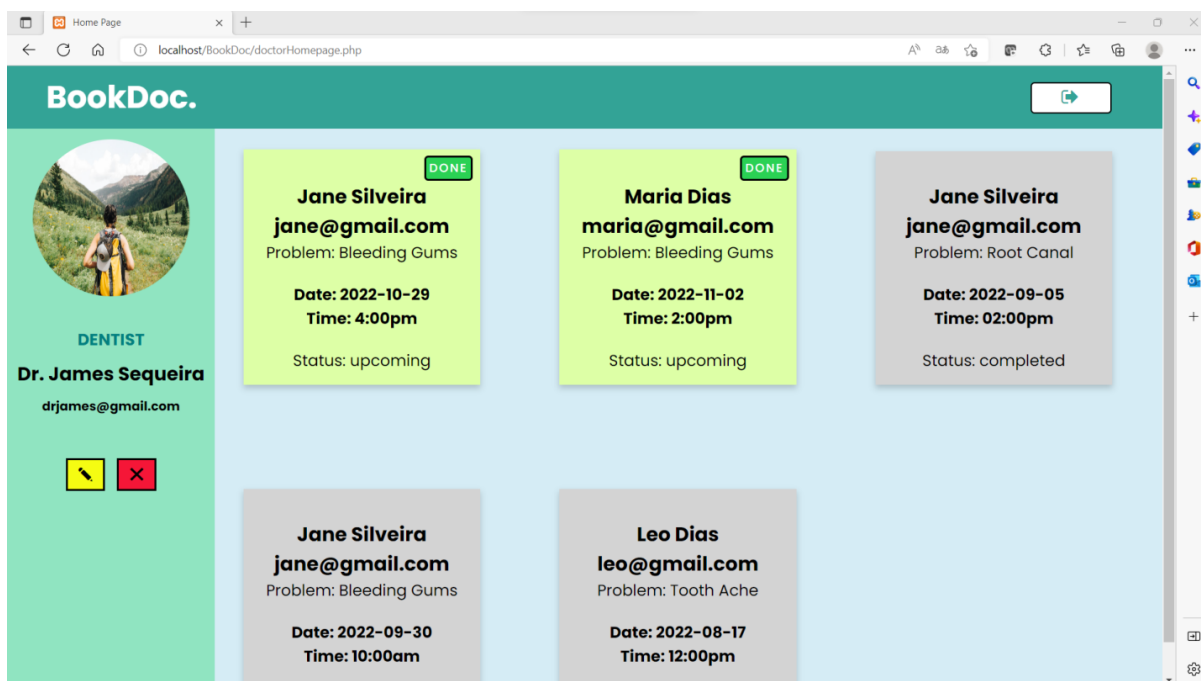
A SELECT query has been used to display the data.

A patient can also cancel an upcoming appointment by clicking on the 'Cancel' button.

A DELETE query has been used to cancel the appointment.

### iii. Doctor Homepage

This is the view for the doctors.



The details of the doctor who has logged in are displayed on the sidebar at the left hand side. A doctor can also edit and delete his/her account.

All the upcoming as well as already completed appointments of the many patients to be treated or already treated get displayed on the Doctor Homepage.

A SELECT query has been used to display the data.

A doctor can also change the status of an upcoming appointment to a completed appointment by clicking on the 'Done' button.

An UPDATE query has been used to change the status of the appointment.

## **CONCLUSION:-**

BookDoc - A Patient Appointment Booking and Management Website was successfully implemented.