

Stamford University Bangladesh
Computer Science and Engineering

Advanced Programming Sessional
CSI 234

Course Project Title:
Doctor Appointment System

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Doctor Appointment System

The proposed project is a smart appointment booking system that provides patients or any user an easy way of booking a doctor's appointment online. This is a web based application that overcomes the issue of managing and booking appointments according to user's choice or demands. The task sometimes becomes very tedious for the compounder or doctor himself in manually allotting appointments for the users as per their availability. Hence this project offers an effective solution where users can view various booking slots available and select the preferred date and time.

Project Overview:

Patient Module:

The main objectives of this module is provide all the functionality related to patient. It tracks all the information and details of the patient. We have developed all type of CRUD(Create, Read, Update and Delete) operations of the patient.

Features of Patient Module:

- Admin can see the list of patient details
- Admin will be able to edit the records of the patients
- Only admin can edit and update the record of the patients

Appointments Module :

The main aim for developing this module is to manage the doctor appointment. This Appointment Module is an important module in this project.

Features of Appointments Module:

- Admin can manage the appointment
- Admin can edit the appointment
- Admin can see the list of all appointment
- patient can see appointment
- patient can book an appointment

Doctor Module :

This is a role based module where admin can perform each and every operations on data but the doctor will be able to view only his/her data. So access level restrictions has also been implemented on the project.

Features of Doctor Module:

- Admin can add new doctor records
- Admin can see the list of doctor details
- Admin will be able to delete the records of the doctors
- Doctor will be able to see his details
- Doctor will be able to update his details
- Doctor will be able to see the list of available appointment

Users of Doctor Appointment System**Functionality performed by Doctor user:**

- Registration for Doctor
- Login For Doctor
- View his appointments

Functionality performed by Patient user:

- Registration for Patient
- Login For Patient
- Book an appointment
- View the list of available Doctors

Functionality performed by admin user:

- Login For Admin
- Registration for Admin

Doctor

- View Profile of the Doctor
- Listing of all Doctor
- View Details of the Appointments

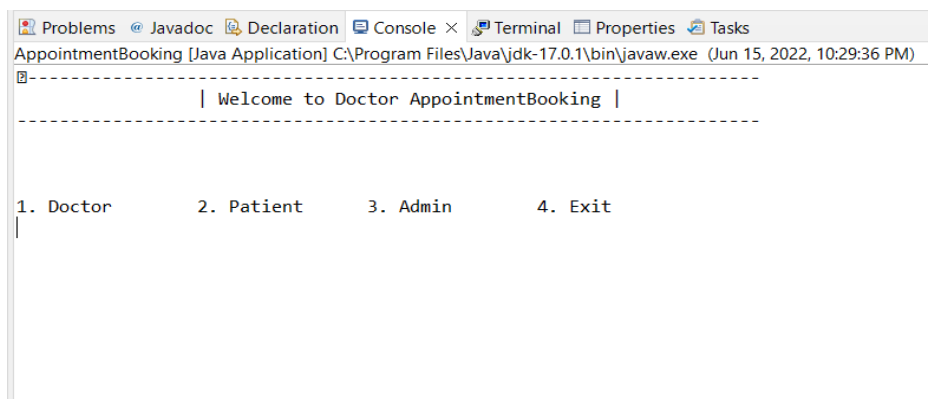
Appointment

- View Details of the Appointments
- Listing of all Appointments

Patients

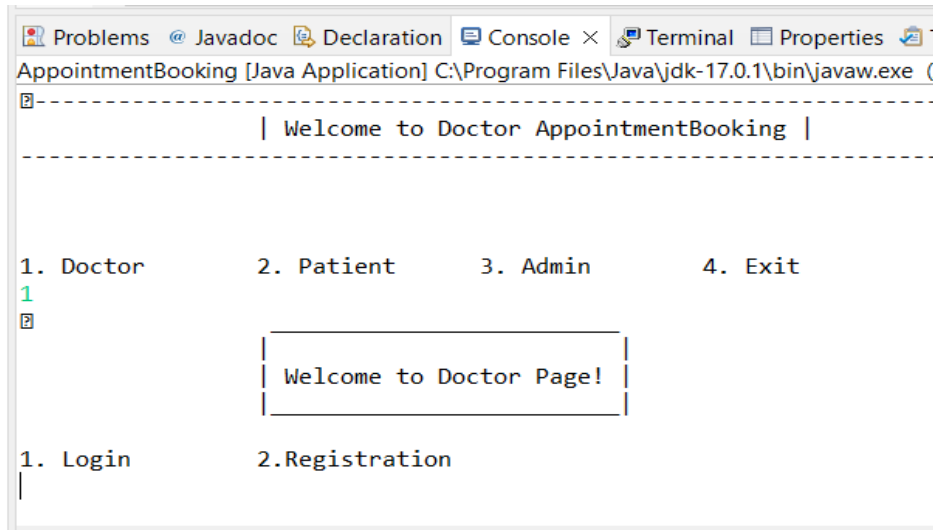
- View Details of the Patients
- Listing of all Patient
- View Patients with appointment

Project details:



```
Problems Javadoc Declaration Console × Terminal Properties Tasks
AppointmentBooking [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (Jun 15, 2022, 10:29:36 PM)
|-----
| Welcome to Doctor AppointmentBooking |
|-----
1. Doctor      2. Patient      3. Admin      4. Exit
|
```

Doctor:



```

AppointmentBooking [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (
-----
| Welcome to Doctor AppointmentBooking |
-----

1. Doctor      2. Patient      3. Admin      4. Exit
1
|
| Welcome to Doctor Page! |
|
1. Login      2.Registration
|

```

There will be two options under the doctor's menu.

1.1. Login:

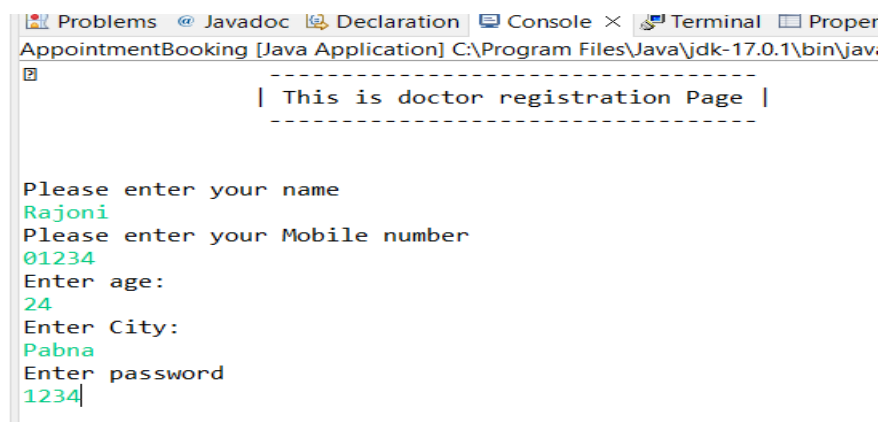
This is the login page of Doctor. After log into account using username and password he will be able to see two options.

1.1.1. Appointment: If any patient book appointments under this particular doctor, doctor can see that by pressing 1.

1.1.2. Logout: This option simply logged out and redirect to the main menu

1.2. Registration:

This is the registration page for Doctor.



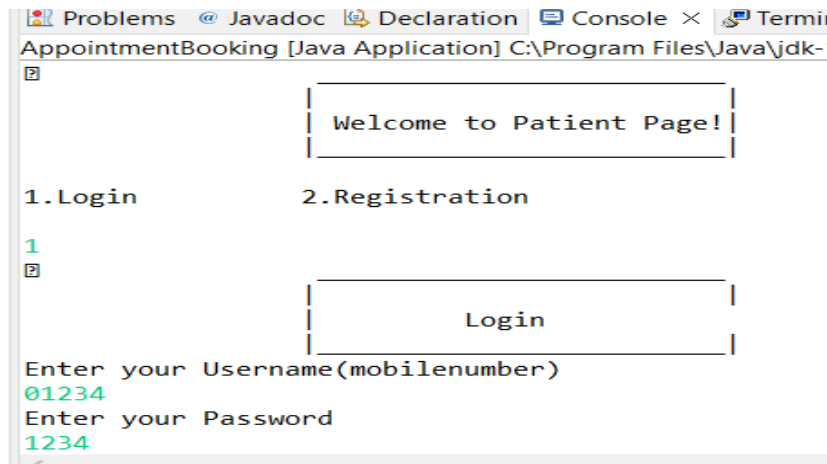
```

AppointmentBooking [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (
-----
| This is doctor registration Page |
-----

Please enter your name
Rajoni
Please enter your Mobile number
01234
Enter age:
24
Enter City:
Pabna
Enter password
1234

```

2. Patient:



This is Patient's page. There will be two options.

2.1. Login:

This is the login page. For login user have to register first if he/she is not registered.

For log in patient have to enter two things.

1. username and
2. password.

If the username or password did not match it will show incorrect password, Else login will successful.

2.1.1. Book Appointment: All available doctor's name will listed here for choose to book.

After selecting one doctor, then he/she will be asked the necessary details of the patient.

- 1.Name of the patient
- 2.Age of the patient
3. Gender of the patient

After Entering patient's details it will sow us "Booking has been successful"

2.1.2. Log out: This option simply logged out and redirect to the main menu.

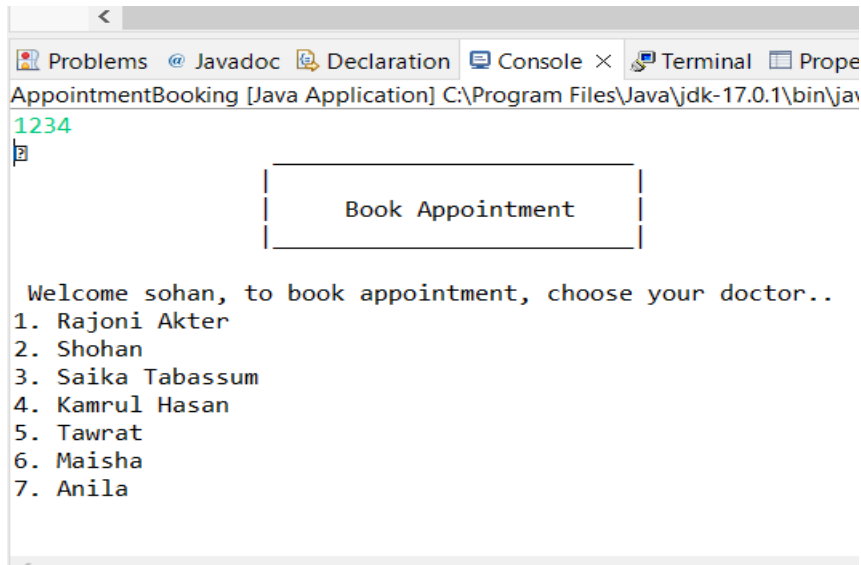
2.2. Registration:

This is registration page for Patients.

Registration will complete by asking few quarries. Like,

- 1.Name
2. Age
3. Mobile Number and
4. Password.

After registration it will automatically redirect to the main menu.



3. Admin:

This is the main admin panel of this system. From here we can see doctor's details, patient's details and appointment status.

In this Menu there is four options.

3.1. Doctor List:

It will show us the list of all Doctors that already registered.

Then here will be two options

3.1.1. Main Menu: It will send back us to the main menu

3.1.2. Previous Menu: We can go to the previous menu by choosing this option.

3.2. Registered Patient:

This option will show us all the list of registered patient. If there is no registered patient it will show us “No Registered Patients yet.”

3.3. Patient with Appointment: There will be a list of all patient’s who booked appointment

3.4. Main Menu: It will send us back to the main menu

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3
[?]
Welcome Admin

1. Doctor list  2. Registered Patients  3. Pateints with Appointment

Enter Your Choice.1
Name:   Rajoni Akter
Name:   Shohan
Name:   Saika Tabassum
Name:   Kamrul Hasan
Name:   Tawrat
Name:   Maisha
Name:   Anila

1. Main menu      2. Previous menu

```

4. Exit:

If the user select this option from the main menu, the program will stop its execution.