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 application uses MVC5, MS SQL and RDLC report.

**DESCRIPTION**

Create an online portal to book a doctor appointment in a hospital.

**MODULES**

1. ADMIN
   1. Admin login

Description of features

This feature used by the admin to login into the system. While login it is required to enter username and password before he/she allowed to enter the system. The username and password will be verified and if invalid username or password the admin is not allowed to enter the system.

Functional requirements

-The system must only allow user with valid username and password to enter the system.

-The system perform authorization.

-The admin can logout after they finished using the system.

1.2 Department Creation

Description of features

This feature used by the admin to add departments. Admin will responsible for adding all departments in the hospital. There must be an edit and delete option is also for each department.

Functional requirements

-System must be able to add the departments in the hospital.

-System must be able to edit and delete department details.

1.3 Doctor Profile creation

Description of features

This feature used by the admin to register doctors based on the departments. Admin will responsible for adding all doctor details and assign username and password for each doctor. There must be an edit and delete option is also for each doctor

Functional requirements

-System must be able to verify information.

-System must be able to not add two doctors with same username.

-System must be able to add doctors based on the department.

-System must be able to edit and delete doctor details.

1.4 Configure the Consultation time slot

Description of features

This feature used by the admin to add time slots for each doctors based on the departments. There must be an edit and delete option is also for time slots.

Functional requirements

-System must be able to verify information.

-System must be able to add number of appointments for each time slot.

1.4 View Report

Description of features

This feature used by the admin to view reports of doctors details based on the department and appointment details.

Functional requirements

-System must be able to provides reports of doctors and appointments details.

1. DOCTOR
   1. Doctor Login

Description of features

This feature used by the doctor to login into the system. While, login it is required to enter username and password before he/she allowed to enter the system. The username and password will be verified and if invalid username or password the admin is not allowed to enter the system.

Functional requirements

-The system must only allow user with valid username and password to enter the system.

-The system perform authorization.

-The doctor can logout after they finished using the system.

2.2 View Appointments

Description of features

This feature used by the doctor to view reports of patients-details based on appointment. There should be a checkout system on the table for checking out the appointment after the session.

Functional requirements

-System must be able to provides reports of patient and appointments details.

1. PATIENT
   1. Register

Description of features

This feature used by the patient to first register themselves to login into the application with their name and phone number.

Functional requirements

-System must allow user to register themselves to login into the application.

* 1. Login

Description of features

This feature used by the patient to login into the system using his/her valid username and password.

Functional requirements

-System must only allow user with valid username and password to enter the system.

-System perform authorization.

* 1. View Details

Description of features

This feature used by the patient to view his/her details after logging in the application.

Functional requirements

-System must allow the user to view his/her details after logging in.

* 1. Book Appointment

Description of features

This feature used by the patient who can click on spaces to view the availability of appointment. A patient can book his/her appointment with the particular doctor. He/she can view his/her appointments. A patient can cancel his/her appointment if he/she wants to.

Functional requirements

-System must be able to book appointment with the particular doctor.

-System must allow the user to view his/her appointments.

-System must allow the user to cancel his/her appointment if he/she wants to.

* 1. View Report

Description of features

This feature used by the patient to view reports of patient based on the appointment details.

Functional requirements

-System must be able to provide reports of patient and appointments details.