# **Doctor Appointment System**

## **Contributor**

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## **System Architecture**

#### **Backend**

* **Framework**: ASP.NET Core 9 Web API   
    
  Responsibilities
  + Exposes RESTful endpoints for patient and doctor appointment and schedule management
  + Handles business logic (Patient registration and book appointment, Doctor manage appointment, Doctor create and update schedules)
  + Uses **Entity Framework Core** for ORM

#### **Frontend**

* **Framework**: React (with Bootstrap for styling) React version 19.

Responsibilities

* + User Interface for patient and doctor
  + Handles login, patient registration /book appointment, doctor manage appointments and create/update schedule.
  + Uses **React Router** for navigation
  + Uses **Axios** for API request
  + Communicates with backend via **RESTful APIs**

#### **Database Layer**

* Database: SQL Server

**Includes tables:**

* Patient
* Doctor
* Appointment
* DocotorScheduleAppointment

**Includes Stored Procedure:**

* GetAllAppointment
* GetAllDoctorSchedule
* GetAppointmentsByDoctor
* GetAppointmentsByPatient
* GetDoctorSchedule
* GetUserDetails
* InsertAppointment
* InsertDoctorScheduleAppointment
* Registration
* UpdateAppointmentByDoctor
* UpdateDoctorScheduleAppointment
* UpdateDoctorScheduleStatus

## **Folder Design**

### Frontend folder structure:

A screenshot of a computer

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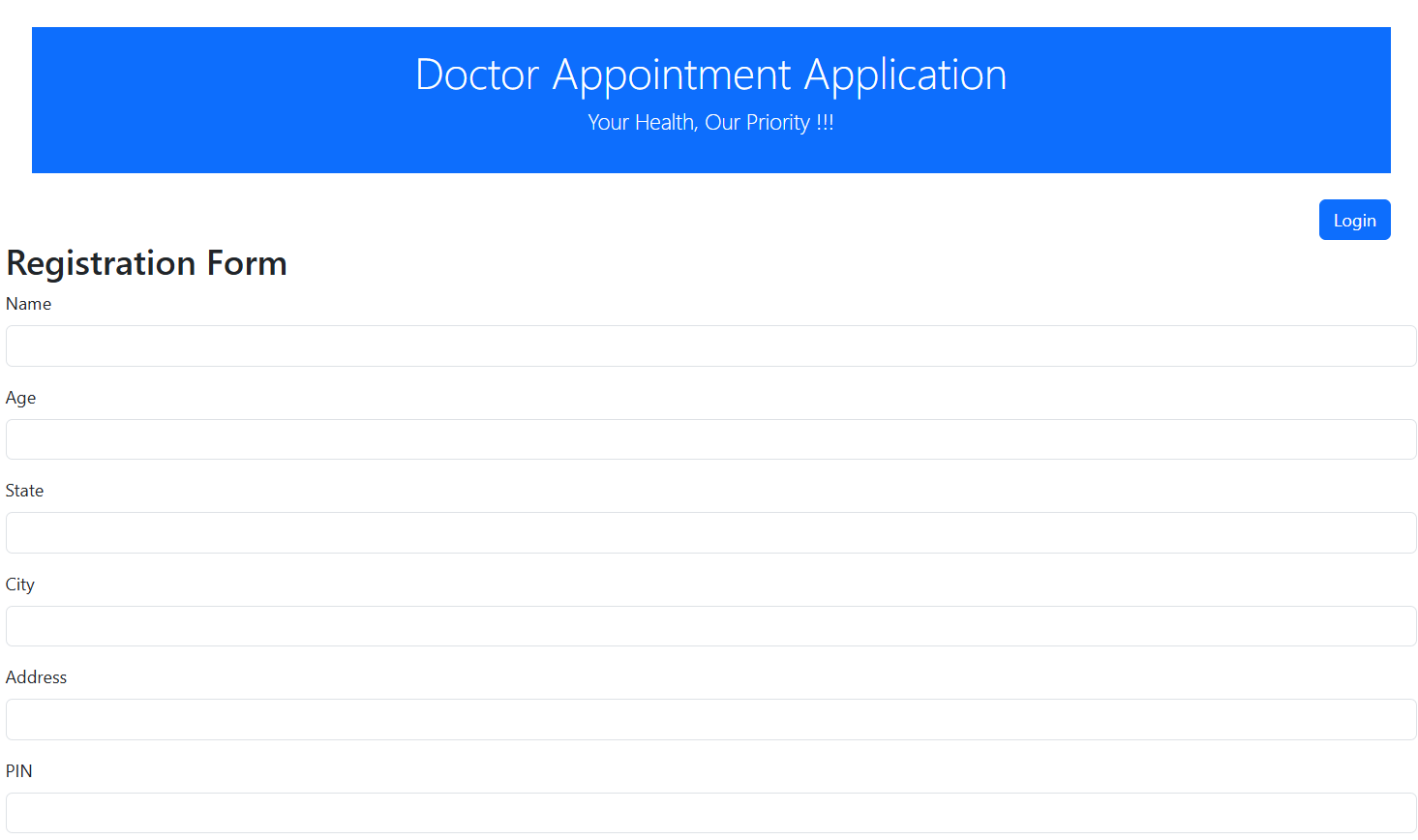
### Backend Folder Structure:

A screenshot of a computer program

AI-generated content may be incorrect. A screenshot of a computer program

AI-generated content may be incorrect.

## UI Components

**Registration Page  
** **A white paper with black lines

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**Login Page**

A screenshot of a calendar

AI-generated content may be incorrect.

**Patient Appointment**

**A screenshot of a computer

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**Patient Dashboard**

**A screenshot of a computer

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**Doctor Dashboard**

**A screenshot of a computer

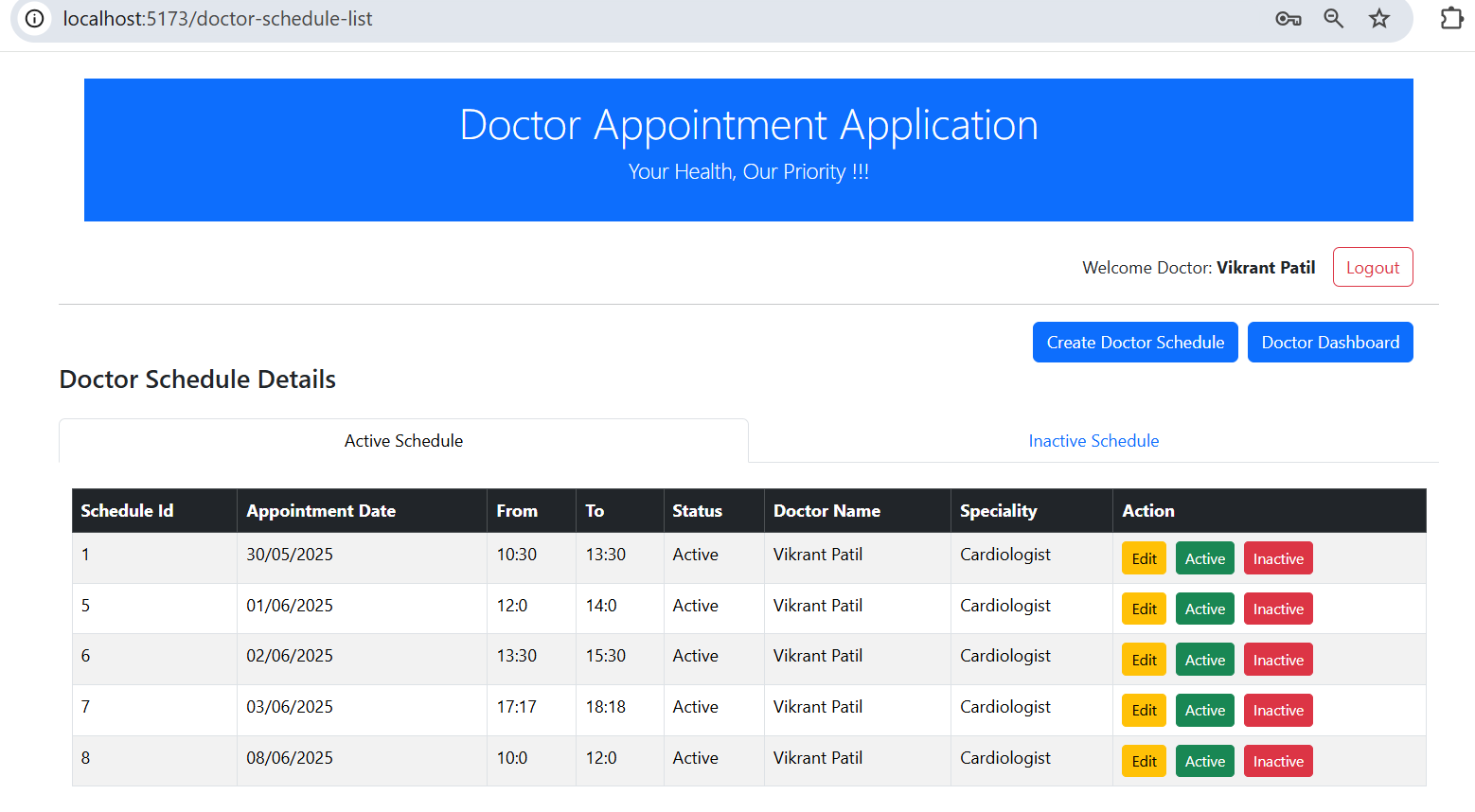
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**Doctor Schedule appointment**

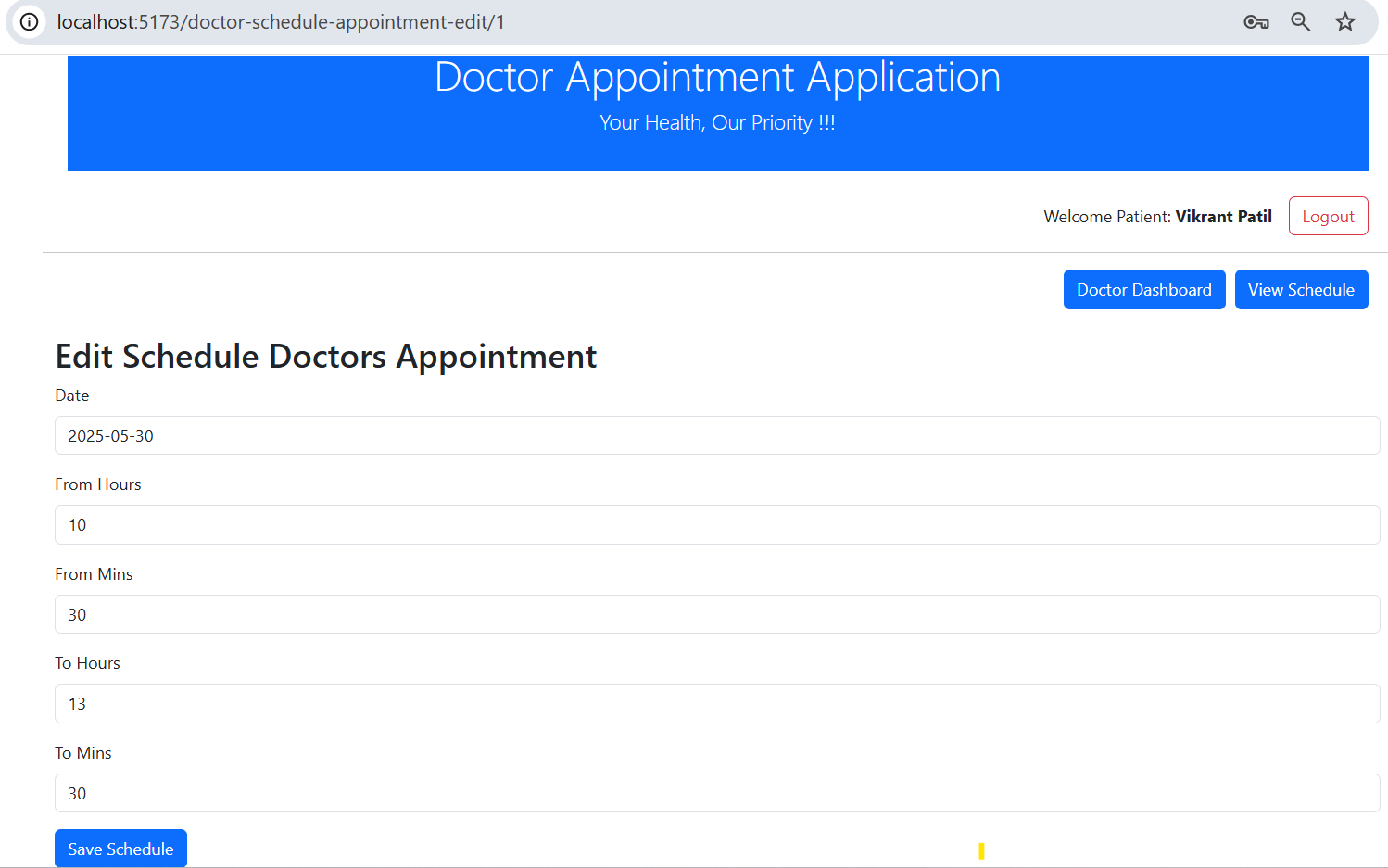
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**Doctor Schedule List**

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**Edit schedule doctor appointment**

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**User Name / Password**

|  |  |  |
| --- | --- | --- |
| User Type | User Name | Password |
| Patient | Harbhajan | harbhajan123 |
| Doctor | Vikrant | vikrant123 |