

Hospital Management System

1 INTRODUCTION

1.1 Overview

Our Hospital Management System allows the admin to add patients and doctors to the system while keeping track of the total number of patients and doctors in the hospital. The admin would also be able to help the patients book an appointment with the doctor the patient desires to see or even help the patient to book an appointment with the right doctor for their ailment.

1.2 Purpose

This project aims to help hospitals keep track of their doctors, patients and appointments. The patients who visit for the first time are registered onto the system making it easier to book appointments when they revisit. Unlike the traditional habit of having a physical record of patients and appointments which could be lost or damaged, this system provides an option to keep digital records of the patients, doctors and appointments.

2 LITERATURE SURVEY

2.1 Existing problem

There is a need for an organized system that allows hospitals to keep records of their doctors, patients and the appointments.

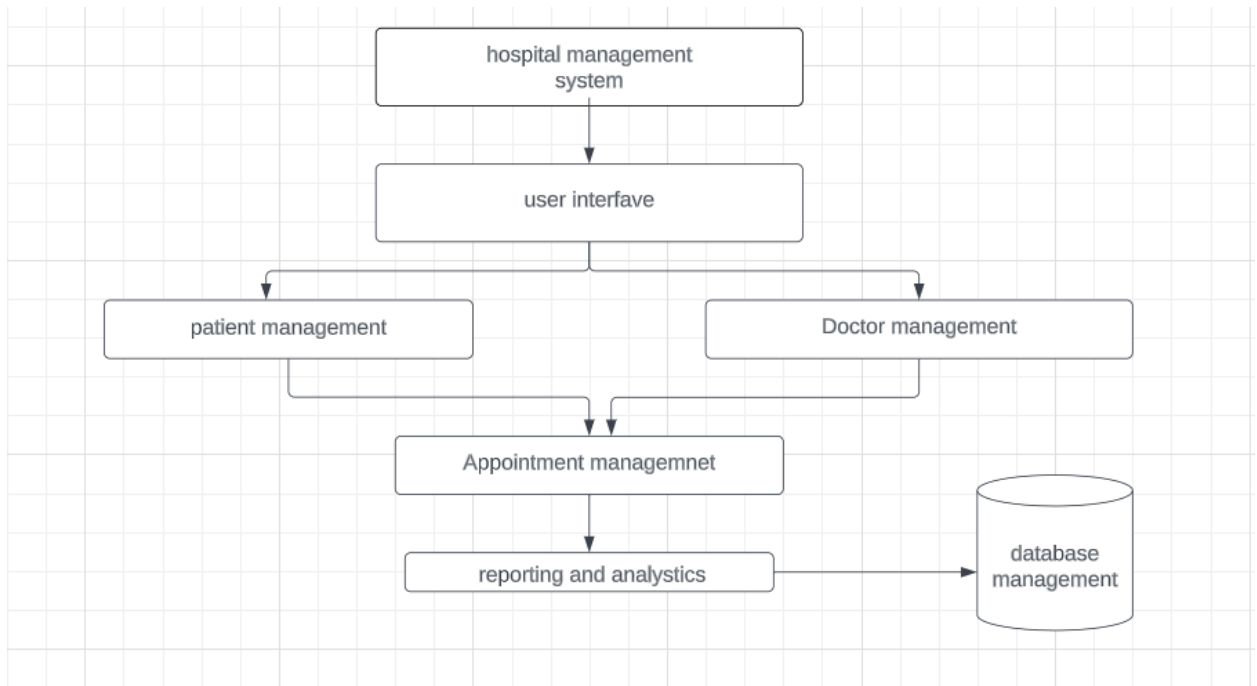
2.2 Proposed solution

A hospital management system where the receptionist at the front desk is the admin. This admin would be able to add the doctors and patients to the

system and also make appointments for the patients with ease. The system will also keep track of the number of doctors, patients and appointments.

3 THEORITICAL ANALYSIS

3.1 Block diagram



3.2 Hardware / Software designing

Hardware Requirements:

Server: A dedicated server or cloud infrastructure capable of hosting the application.

Processor: Multi-core processor (e.g., Intel Xeon or AMD Ryzen) for better performance.

RAM: Sufficient memory to handle concurrent user requests (e.g., 8 GB or more).

Storage: Adequate storage space to store the application code, database, and any necessary files.

Database Server: A separate server or cloud-based database service for storing and managing data.

Networking: High-speed internet connection to ensure seamless communication between the server and client devices.

Software Requirements:

Operating System:

Windows environment.

Java Development Kit (JDK):

Java SE Development Kit 11

Integrated Development Environment (IDE):

Eclipse

Java Spring Boot:

Spring Boot provides a wide range of features and libraries for building enterprise applications efficiently.

Database System:

MySQL

4 EXPERIMENTAL INVESTIGATIONS

Security Auditing: Perform security audits to identify vulnerabilities and ensure that sensitive patient data is protected. Conduct penetration testing to identify potential weaknesses in the system's authentication, authorization, and data encryption mechanisms.

Usability Testing: Conduct user testing sessions to evaluate the system's user interface (UI) and overall usability. Gather feedback from hospital staff, doctors, and administrators to identify areas for improvement in terms of navigation, ease of use, and intuitive design.

Integration Testing: Verify the integration of various components within the hospital management system. Test the interaction between the UI layer, backend services, and external systems such as electronic health record (EHR) systems, payment gateways, and laboratory systems to ensure smooth data exchange and interoperability.

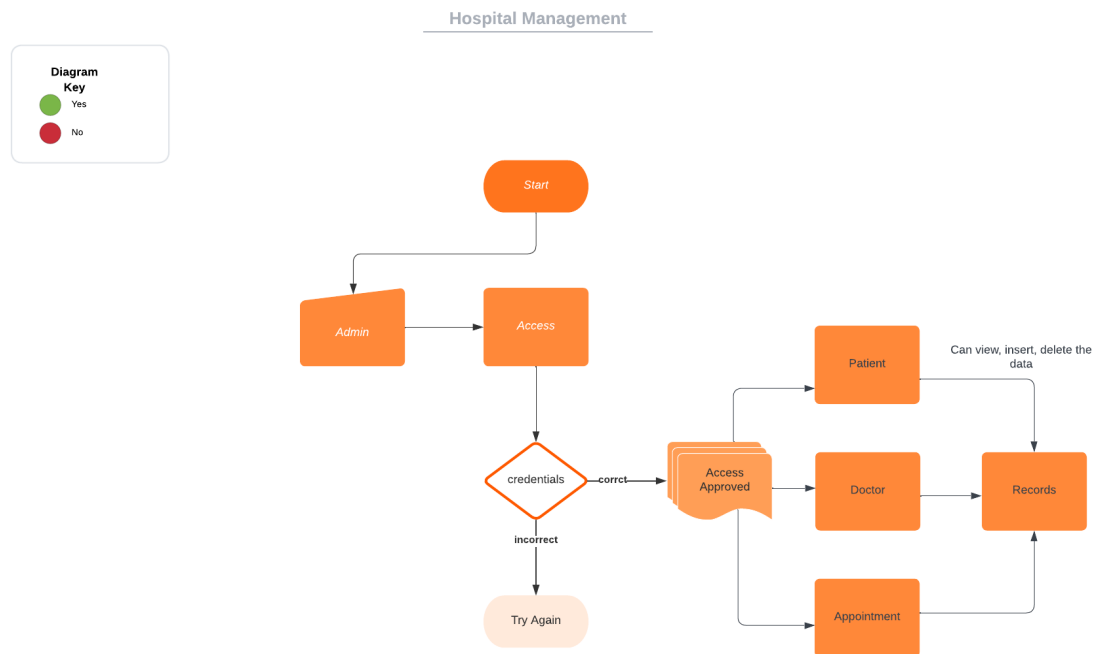
Error Handling and Exception Testing: Investigate the system's error handling capabilities by intentionally inducing exceptions and errors. Test how the system handles different scenarios, such as network failures, database connection issues, and invalid input, to ensure proper error handling and graceful recovery.

Scalability Testing: Evaluate the system's scalability by simulating a growing number of patients, doctors, and administrative staff. Test how the system handles the increased load and monitor resource consumption to identify potential scalability limitations.

Data Integrity and Consistency Testing: Ensure the accuracy and consistency of data stored in the system. Test different scenarios, such as concurrent updates to patient records or appointment scheduling, to validate that the system maintains data integrity and consistency.

Accessibility Testing: Verify that the hospital management system complies with accessibility standards, ensuring it can be used by people with disabilities.

5 FLOWCHART



6 RESULT


Please sign in

Sign in


Home page

http://localhost:8080


MediGaurd Home Doctor Patient Appointment Logout



4
Total Doctors



3
Total Patients



3
Total Appointments

Type here to search









34°C Partly sunny

Home page

http://localhost:8080/view_doctor

MediGaurd Home Doctor Patient Appointment Logout

View Doctor

Id	Name	Contact	Specialization	Edit	Delete
13	sri	63249239	ENT		
18	Arun	9239432833	General		
19	Namya	9328749324	Ortho		
20	Mithun C	749837492	ENT		

Home page

http://localhost:8080/edit/13

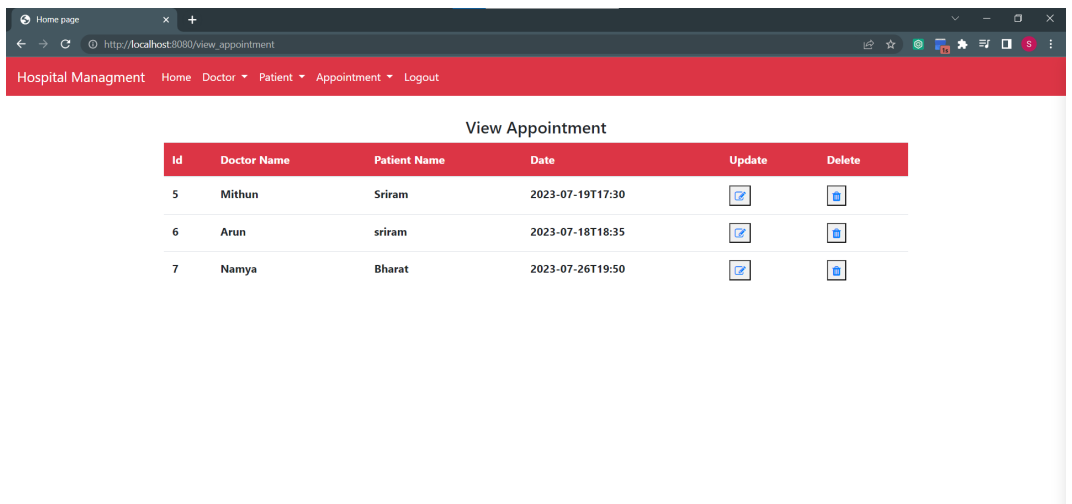
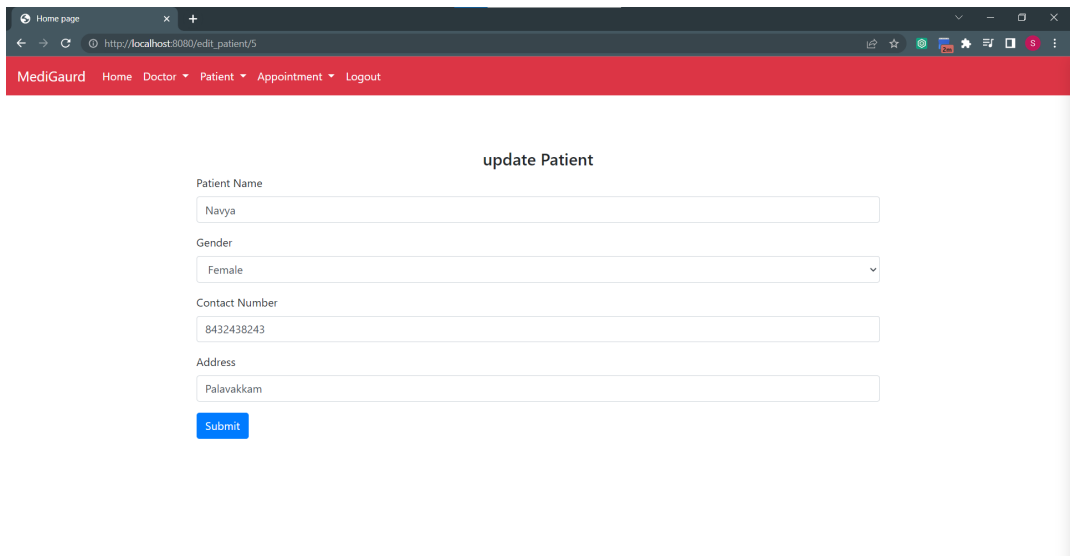
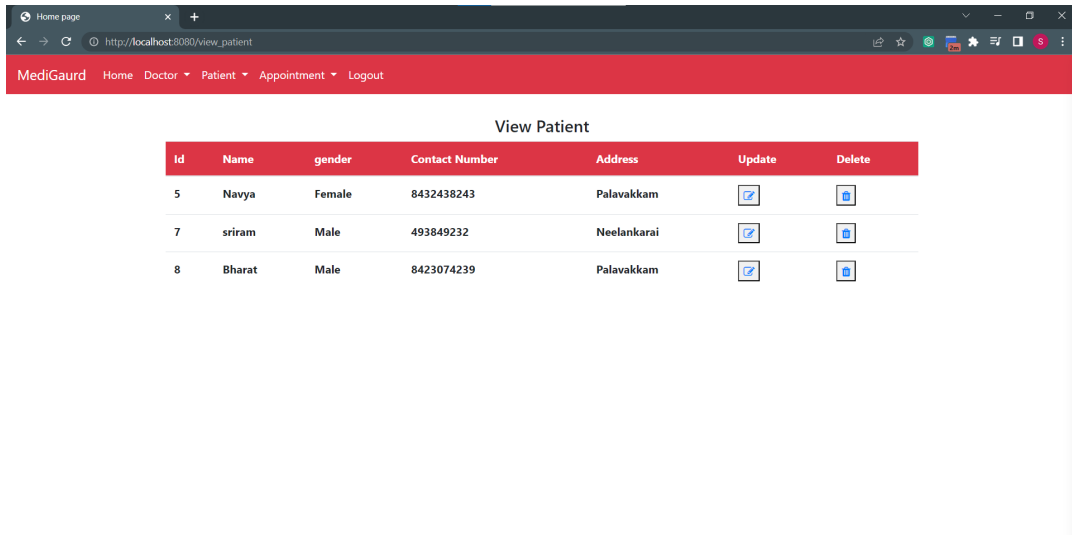
MediGaurd Home Doctor Patient Appointment Logout

Update Doctor Details

Doctor Name

Contact Number

Specialization



Home page x +
← → ↻ http://localhost:8080/edit_appointment/5

MediGaurd Home Doctor Patient Appointment Logout

Update Appointment Details

Doctor Name
sri (13) ▼

patient Name
Navya (5) ▼

Date & Time
19-07-2023 17:30 📅

Submit

Home page x +
← → ↻ http://localhost:8080/adddoctor

MediGaurd Home Doctor Patient Appointment Logout

Add Doctor

Doctor Name
Enter Name

Contact Number
Mobile Number

Specialization
Enter Specialization

Submit

Home page x +
← → ↻ http://localhost:8080/addpatient

MediGaurd Home Doctor Patient Appointment Logout

Add Patient

Patient Name
Enter Name

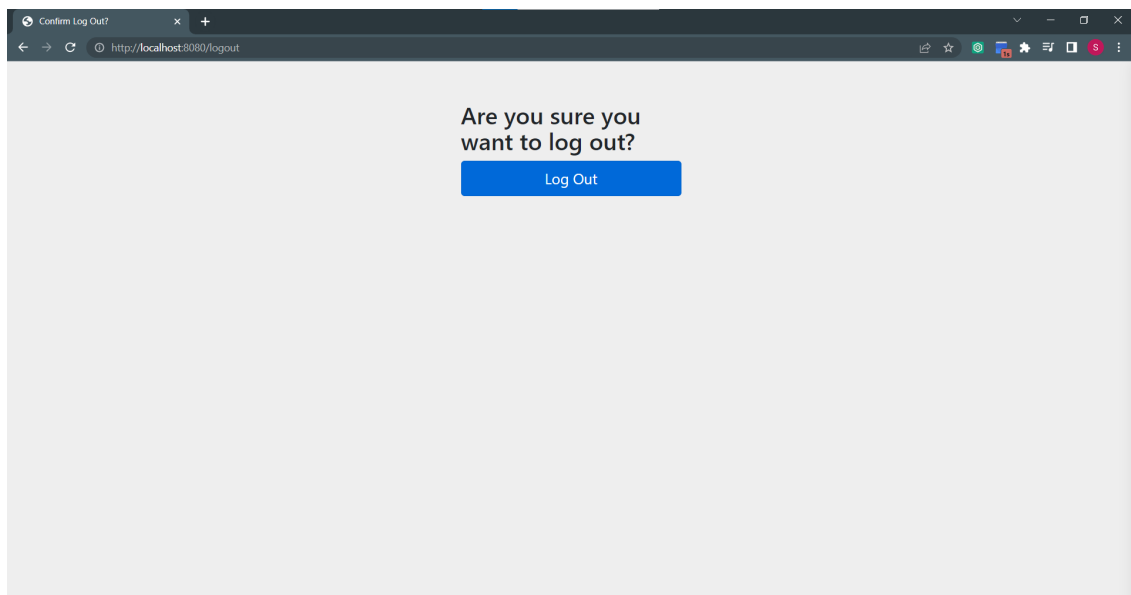
Gender
▼

Contact Number
Mobile Number

Address
Enter Address

Submit

The screenshot shows a web browser window with the address bar displaying 'http://localhost:8080/addappointment'. The page has a red header with the text 'MediGaurd' and navigation links: 'Home', 'Doctor', 'Patient', 'Appointment', and 'Logout'. The main content area is titled 'Add Appointment' and contains three dropdown menus: 'Doctor Name' with 'sri (13)' selected, 'patient Name' with 'Navya (5)' selected, and 'Date & Time' with 'dd-mm-yyyy --:--' selected. A blue 'Submit' button is located below the date field.



7 ADVANTAGES & DISADVANTAGES

A Hospital Management System offers numerous advantages to hospitals, doctors, patients, and administrators. Here are some key benefits:

1. Efficient Patient and Doctor Management: The system streamlines the process of adding patients and doctors to the hospital's database. It maintains a centralized and organized record of all patients and doctors, making it easy for the admin to access and manage information.

2. Appointment Scheduling and Tracking: The system allows patients to book appointments with their preferred doctors, reducing waiting times and improving patient satisfaction. The admin can also assist patients in finding the right specialist for their specific ailment, ensuring appropriate medical care.

3. Improved Patient Care: With easy access to patient records, doctors can quickly retrieve past medical history, test results, and treatment plans. This facilitates personalized care, accurate diagnoses, and better treatment decisions.

4. Enhanced Data Security: Digital records offer better data security and privacy compared to physical files. Access to sensitive information can be restricted to authorized personnel, reducing the risk of unauthorized access and data breaches.

5. Patient Loyalty and Engagement: By maintaining accurate patient records and offering efficient appointment booking services, the system improves patient experience, leading to higher patient satisfaction and increased loyalty.

While a Hospital Management System offers numerous advantages, it also comes with some potential disadvantages and challenges. Here are some of the drawbacks:

1. Initial Implementation Cost: Setting up a Hospital Management System can involve significant upfront costs, including software licensing, hardware, and training expenses. Smaller healthcare facilities may find it financially challenging to adopt such systems.

2. Training and Learning Curve: Transitioning from traditional paper-based systems to a digital platform may require extensive training for hospital staff. The learning curve can slow down operations during the initial stages of implementation.

3. Technical Issues and Downtime: Like any software system, a Hospital Management System may encounter technical glitches, bugs, or downtime. System failures can disrupt hospital operations, affecting patient care and staff productivity.

4. **Data Security Concerns:** While digital records offer enhanced security, they also introduce the risk of data breaches and unauthorized access if the system's security measures are not adequately implemented and maintained.

5. **Dependency on Technology:** Hospitals become highly reliant on the system's functionality. Any system failure or technical issues could lead to significant disruptions and impact patient care.

8 APPLICATIONS

The Hospital Management System has versatile applications across various aspects of healthcare management. Here are some of the key applications:

1. **Patient Registration and Records Management:** The system allows hospitals to efficiently register new patients, maintain their demographic information, medical history, and treatment details. It ensures easy access to patient records for healthcare providers, improving patient care and medical decision-making.

2. **Appointment Scheduling and Management:** Patients can book appointments with doctors through the system, streamlining the scheduling process. Doctors can view their appointment schedules in real-time, reducing waiting times and optimizing their time management.

3. **Doctor and Staff Management:** The system facilitates the organization and management of doctors' profiles, qualifications, and specialties. It helps hospital administrators track staff assignments, duty rosters, and performance evaluations.

4. **Prescription and Medication Management:** Doctors can digitally issue prescriptions, and the system can maintain a record of prescribed

medications, dosage instructions, and any allergies or drug interactions to improve patient safety.

5. Public Health Management: Aggregated and anonymized data from the system can aid in public health initiatives, disease surveillance, and epidemiological studies.

6. Emergency Response and Disaster Management: The system can play a vital role in emergency response and disaster management by providing quick access to patient information and coordinating resources efficiently.

7. Analytics and Reporting: The system provides comprehensive data analysis and reporting capabilities, offering insights into patient demographics, hospital performance, resource utilization, and trends for informed decision-making.

8. Patient Portal and Engagement: Some Hospital Management Systems come with patient portals that allow patients to access their medical records, test results, and upcoming appointments, fostering patient engagement and empowerment.

9. Research and Quality Improvement: The system's data can be used for research purposes, identifying trends, and areas of improvement in patient care, leading to enhanced healthcare quality.

10. Training and Education: The system can serve as a valuable tool for training medical students and healthcare professionals by providing access to a diverse range of patient cases and medical scenarios.

9 CONCLUSION

In conclusion, a Hospital Management System offers a comprehensive and powerful solution to the challenges faced by healthcare institutions. With its versatile applications, the system significantly improves various aspects of hospital operations, patient care, and administrative efficiency.

By automating patient registration, appointment scheduling, and records management, hospitals can streamline their workflows, reduce waiting times, and enhance the overall patient experience. Doctors benefit from easy access to patient records and medical history, enabling personalized care and informed decision-making.

The system's integration with billing and insurance management facilitates smooth financial transactions, ensuring accurate billing and efficient insurance claim processing. Additionally, the system aids in inventory and pharmacy management, optimizing resource utilization and maintaining adequate stock levels.

Through data analytics and reporting, the Hospital Management System empowers administrators and healthcare professionals with valuable insights into hospital performance, patient trends, and resource allocation. This data-driven approach enhances strategic planning and quality improvement initiatives.

Furthermore, the system promotes patient engagement through portals, enabling patients to access their medical records and upcoming appointments conveniently. The integration with telemedicine platforms extends healthcare services to remote areas, bridging geographical barriers and increasing accessibility to medical expertise.

Despite the initial challenges of implementation, the long-term benefits of a Hospital Management System outweigh the drawbacks. As healthcare continues to evolve, these systems are crucial in promoting efficiency, accuracy, and compliance with regulatory standards.

In the ever-changing landscape of healthcare, a well-implemented Hospital Management System stands as a reliable pillar of support for hospitals and healthcare institutions. By embracing technology and innovation, healthcare providers can deliver better patient care, improve operational efficiency, and ultimately contribute to a healthier society.

10 FUTURE SCOPE

The future scope for a Hospital Management System is promising and holds significant potential for further advancements in healthcare management. As technology continues to evolve, the system can expand its capabilities and impact in the following ways:

1. Artificial Intelligence (AI) Integration: AI can play a vital role in enhancing various aspects of the Hospital Management System. AI-driven predictive analytics can help hospitals forecast patient volumes, optimize resource allocation, and anticipate potential medical emergencies. AI-powered chatbots and virtual assistants can provide instant support to patients, answering their queries and guiding them through the appointment process.

2. Internet of Things (IoT) Integration: IoT devices can be integrated with the system to monitor patients remotely, track vital signs, and gather real-time data for continuous health monitoring. This data can help in early detection of medical conditions, leading to proactive and personalized patient care.

3. Blockchain for Data Security and Interoperability: Blockchain technology can be employed to enhance the security and privacy of patient data. It ensures tamper-resistant records, reducing the risk of data breaches. Additionally, blockchain can facilitate seamless data exchange between different healthcare providers, improving interoperability and continuity of care.

4. Mobile Applications and Wearables: The future Hospital Management System can incorporate mobile applications and wearable devices for patients and doctors. Mobile apps will enable patients to schedule appointments, access medical records, and receive personalized health recommendations. Wearable devices will gather real-time health data and seamlessly integrate it into the patient's electronic health records.

5. Telemedicine Advancements: Telemedicine will continue to evolve, enabling more sophisticated virtual consultations, remote monitoring, and even tele-surgeries. The Hospital Management System will play a crucial role in facilitating seamless integration with advanced telemedicine platforms.

In conclusion, the future scope of a Hospital Management System is promising, driven by advancements in technology and healthcare practices. With AI, IoT, blockchain, and mobile integration, the system will revolutionize patient care, resource management, and data security. The ongoing evolution of telemedicine, genomics, and precision medicine will further enhance the system's impact on healthcare delivery. Embracing these innovations will pave the way for more efficient, patient-centric, and data-driven healthcare systems across the globe.

11 BIBILOGRAPHY

References of previous works or websites visited/books referred for analysis about the project, solution previous findings etc.

A total Guide for Hospital Management :

<https://www.uptech.team/blog/develop-hospital-management-system>

Hospital Web development

<https://kanopi.com/blog/hospital-web-development>

Conference paper - Hospital management using web technology

https://www.researchgate.net/publication/342171051_Hospital_Management_System_using_Web_Technology

Designing A Web Based Hospital Management System

<http://www.ijtrd.com/papers/IJTRD1361.pdf>

APPENDIX

Controller

```
package com.example.Hospitalmanagmentjava.Controller;
```

```
import com.example.Hospitalmanagmentjava.Model.AppointmentModel;
```

```
import com.example.Hospitalmanagmentjava.Model.DoctorModel;
import com.example.Hospitalmanagmentjava.Model.PatientModel;
import com.example.Hospitalmanagmentjava.Repository.AppointmentRepo;
import com.example.Hospitalmanagmentjava.Repository.DoctorRepo;
import com.example.Hospitalmanagmentjava.Repository.PatientRepo;
import com.example.Hospitalmanagmentjava.Service.AppointmentService;
import com.example.Hospitalmanagmentjava.Service.DoctorService;
import com.example.Hospitalmanagmentjava.Service.PatientService;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.http.ResponseEntity;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.validation.BindingResult;
import org.springframework.web.bind.annotation.*;
```

```
import javax.servlet.http.HttpSession;
import java.util.Collections;
import java.util.List;
import java.util.Optional;
```

@Controller

```
public class HospitalController {
```

```
    @Autowired
```

```
    private DoctorService doctorService;
```

```
    @Autowired
```

```
    private PatientService patientService;
```

```
    @Autowired
```

```
    private AppointmentService appointmentService;
```

```
    @Autowired
```

```
    private DoctorRepo doctorRepo;
```

```
    @Autowired
```

```
    private PatientRepo patientRepo;
```

```
    @Autowired
```



```
private AppointmentRepo appointmentRepo;
```

```
@RequestMapping(path="/",method = RequestMethod.GET)
public String home(Model m){
    List<DoctorModel> doc=doctorService.getdoctor();
    List<PatientModel> pat=patientService.getPatient();
    List<AppointmentModel> app=appointmentService.getappointment();
    long dc=0;
    long pc=0;
    long ac=0;
    dc=doc.stream().count();
    pc=pat.stream().count();
    ac=app.stream().count();
    m.addAttribute("pcount",pc);
    m.addAttribute("dcount",dc);
    m.addAttribute("acount",ac);
    return "index";
}
```

```
@RequestMapping(path="/adddoctor",method = RequestMethod.GET)
public String viewDoctor(){
    return "Add_Doctor";
}
```

```
@RequestMapping(path="/addDoctor",method = RequestMethod.POST)
public String doctorRegister(DoctorModel e, Model m, HttpSession
session){
    doctorService.addDoctor(e);
    session.setAttribute("msg","Doctor Added Successfully..");
    return "redirect:/view_doctor";
}
@RequestMapping(path="/view_doctor",method = RequestMethod.GET)
public String getDoctor(Model m){
    List<DoctorModel> doc=doctorService.getdoctor();
    long c=0;
```

```

        c=doc.stream().count();
        m.addAttribute("doc",doc);
        m.addAttribute("co",c);

        return "view_Doctor";
    }

    @GetMapping("/edit/{id}")
    public String showUpdateForm(@PathVariable("id") int id, Model model) {
        DoctorModel user = doctorRepo.findById(id)
            .orElseThrow(() -> new IllegalArgumentException("Invalid user Id:" +
id));

        model.addAttribute("user", user);
        return "update_doctor";
    }

    @RequestMapping(path = "/update_Doctor/{id}",method =
RequestMethod.POST)
    public String updateDoctor(@PathVariable("id") int id, DoctorModel d,
BindingResult result,Model m,HttpSession session){
        if(result.hasErrors()){
            d.setId(id);
            return "update_doctor";
        }
        doctorService.addDoctor(d);
        session.setAttribute("msg","Doctor Updated Successfully.");
        return "redirect:/view_doctor";
    }

    @GetMapping("/delete/{id}")
    public String deleteUser(@PathVariable("id") int id, Model model) {
        DoctorModel user = doctorRepo.findById(id)
            .orElseThrow(() -> new IllegalArgumentException("Invalid user Id:" +
id));

        doctorRepo.delete(user);
        return "redirect:/view_doctor";
    }

```

```
}
```

```
@RequestMapping(path="/addpatient",method = RequestMethod.GET)
public String viewPatient(){
    return "Add_Patient";
}
```

```
@RequestMapping(path="/addPatient",method = RequestMethod.POST)
public String patientRegister(PatientModel e, Model m, HttpSession
session){
    patientService.addPatient(e);
    session.setAttribute("msg","Patient Added Successfully..");
    return "redirect:/view_patient";
}
```

```
@RequestMapping(path="/view_patient",method = RequestMethod.GET)
public String getPatient(Model m){
    List<PatientModel> pat=patientService.getPatient();
    m.addAttribute("pat",pat);
    return "view_Patient";
}
```

```
@GetMapping("/edit_patient/{id}")
public String showUpdateFormPatient(@PathVariable("id") int id, Model
model) {
    PatientModel user = patientRepo.findById(id)
        .orElseThrow(() -> new IllegalArgumentException("Invalid user Id:" +
id));
```

```
    model.addAttribute("user", user);
    return "update_patient";
}
```

```
@RequestMapping(path = "/update_Patient/{id}",method =
RequestMethod.POST)
public String updatePatient(@PathVariable("id") int id, PatientModel d,
BindingResult result,Model m,HttpSession session){
```

```

        if(result.hasErrors()){
            d.setId(id);
            return "update_patient";
        }
        patientService.addPatient(d);
        session.setAttribute("msg","Patient Updated Successfully..");
        return "redirect:/view_patient";
    }
    @GetMapping("/delete_patient/{id}")
    public String deletePatient(@PathVariable("id") int id, Model model) {
        PatientModel user = patientRepo.findById(id)
            .orElseThrow(() -> new IllegalArgumentException("Invalid user Id:" +
id));
        patientRepo.delete(user);
        return "redirect:/view_patient";
    }

```

```

    @RequestMapping(path="/addappointment",method =
RequestMethod.GET)
    public String viewAppointment(Model m){
        List<DoctorModel> doc=doctorService.getdoctor();
        List<PatientModel> pat=patientService.getPatient();
        m.addAttribute("pat",pat);
        m.addAttribute("doc",doc);
        return "Add_Appointment";
    }

```

```

    @RequestMapping(path="/addAppointment",method =
RequestMethod.POST)
    public String appointmentRegister(AppointmentModel e, Model m,
HttpSession session){
        appointmentService.addAppointment(e);
        session.setAttribute("msg","Appointment Added Successfully..");
        return "redirect:/view_appointment";
    }

```

```

    @RequestMapping(path="/view_appointment",method =
RequestMethod.GET)
    public String getAppointment(Model m){
        List<AppointmentModel> pat=appointmentService.getappointment();
        m.addAttribute("pat",pat);
        return "view_appointment";
    }
    @GetMapping("/edit_appointment/{id}")
    public String showUpdateFormAppointment(@PathVariable("id") int id,
Model model) {
        AppointmentModel user = appointmentRepo.findById(id)
            .orElseThrow(() -> new IllegalArgumentException("Invalid user Id:" +
id));

        model.addAttribute("user", user);
        return "update_appointment";
    }
    @RequestMapping(path = "/update_Appointment/{id}",method =
RequestMethod.POST)
    public String updateAppointment(@PathVariable("id") int id,
AppointmentModel d, BindingResult result,Model m,HttpSession session){
        if(result.hasErrors()){
            d.setId(id);
            return "update_appointment";
        }
        appointmentService.addAppointment(d);
        session.setAttribute("msg","Appointment Updated Successfully..");
        return "redirect:/view_appointment";
    }
    @RequestMapping(path = "/update_appointment_value/{id}",method =
RequestMethod.GET)
    public ResponseEntity<List<AppointmentModel>>
updateAppointmentvalue(@PathVariable("id") int id, AppointmentModel d,
BindingResult result, Model m, HttpSession session){

```

```

        return
        ResponseEntity.ok().body(appointmentRepo.findAllById(Collections.singleton
(id)));
    }

    @GetMapping("/delete_appointment/{id}")
    public String deleteAppointment(@PathVariable("id") int id, Model model) {
        AppointmentModel user = appointmentRepo.findById(id)
            .orElseThrow(() -> new IllegalArgumentException("Invalid user Id:" +
id));
        appointmentRepo.delete(user);
        return "redirect:/view_appointment";
    }

    @RequestMapping(path="/getdoc",method = RequestMethod.GET)
    public ResponseEntity<List<DoctorModel>> docdata(){
        return ResponseEntity.ok().body(doctorService.getdoctor());
    }

    @RequestMapping(path="/getpat",method = RequestMethod.GET)
    public ResponseEntity<List<PatientModel>> patdata(){
        return ResponseEntity.ok().body(patientService.getPatient());
    }

}

```

APPOINTMENT MODEL

```

package com.example.Hospitalmanagmentjava.Model;

import javax.persistence.*;
import java.time.LocalDateTime;

```

```

import java.util.List;

@Entity
@Table(name="appointment")
public class AppointmentModel{
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private int id;
    private String doctorName;
    private String patientName;
    private String date;

    // @ManyToOne(targetEntity = DoctorModel.class,cascade = CascadeType.ALL)
    // @JoinColumn(name="did",referencedColumnName = "id")
    // private List<DoctorModel> doctorlist;

    // @ManyToOne(targetEntity = PatientModel.class,cascade = CascadeType.ALL)
    // @JoinColumn(name="pid",referencedColumnName = "id")
    // private List<PatientModel> patientlist;

    public AppointmentModel() {
        super();
    }

    public AppointmentModel(int id, String doctorName, String patientName, String date)
    {
        this.id = id;
        this.doctorName = doctorName;
        this.patientName = patientName;
        this.date = date;
    }

    public int getId() {
        return id;
    }

    public void setId(int id) {
        this.id = id;
    }
}

```

```

public String getDoctorName() {
    return doctorName;
}

public void setDoctorName(String doctorName) {
    this.doctorName = doctorName;
}

public String getPatientName() {
    return patientName;
}

public void setPatientName(String patientName) {
    this.patientName = patientName;
}

public String getDate() {
    return date;
}

public void setDate(String date) {
    this.date = date;
}

@Override
public String toString() {
    return "AppointmentModel{" +
        "id=" + id +
        ", doctorName=" + doctorName + "\" +
        ", patientName=" + patientName + "\" +
        ", date=" + date +
        "}";
}
}

```

DOCTOR MODEL

```

package com.example.Hospitalmanagmentjava.Model;
import javax.persistence.*;
@Entity
@Table(name="doctor")

```



```

public class DoctorModel {
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private int id;
    private String name;
    private String phno;
    private String special;
    public DoctorModel() {
        super();
    }
    public int getId() {
        return id;
    }
    public void setId(int id) {
        this.id = id;
    }
    public String getName() {
        return name;
    }
    public void setName(String name) {
        this.name = name;
    }
    public String getPhno() {
        return phno;
    }
    public void setPhno(String phno) {
        this.phno = phno;
    }
    public String getSpecial() {
        return special;
    }
    public void setSpecial(String special) {
        this.special = special;
    }
    @Override
    public String toString() {
        return "HospitalModel{" +
            "id=" + id +
            ", name=" + name + " +
            ", phno=" + phno + " +
            ", special=" + special + " +
            '}';
    }
}

```

PATIENT MODEL

```

package com.example.Hospitalmanagmentjava.Model;

```

```
import javax.persistence.*;
@Entity
@Table(name="patient")
public class PatientModel {
    @Id
    @GeneratedValue(strategy = GenerationType.IDENTITY)
    private int id;
    private String name;
    private String gender;
    private String phno;
    private String address;
    public PatientModel() {
        super();
    }
    public PatientModel(int id, String name, String gender, String phno, String address) {
        this.id = id;
        this.name = name;
        this.gender = gender;
        this.phno = phno;
        this.address = address;
    }
    public int getId() {
        return id;
    }
    public void setId(int id) {
        this.id = id;
    }
    public String getName() {
        return name;
    }
    public void setName(String name) {
        this.name = name;
    }
    public String getGender() {
        return gender;
    }
    public void setGender(String gender) {
        this.gender = gender;
    }
    public String getPhno() {
        return phno;
    }
    public void setPhno(String phno) {
        this.phno = phno;
    }
    public String getAddress() {
        return address;
    }
    public void setAddress(String address) {
```

```

this.address = address;
}
@Override
public String toString() {
return "PatientModel{" +
"id=" + id +
", name=" + name + "\" +
", gender=" + gender + "\" +
", phno=" + phno + "\" +
", address=" + address + "\" +
}";
}
}

```

DOCTOR REPOSITORY

```
package com.example.Hospitalmanagmentjava.Repository;
```

```

import com.example.Hospitalmanagmentjava.Model.DoctorModel;
import org.springframework.data.jpa.repository.JpaRepository;
import org.springframework.stereotype.Repository;

```

```

@Repository
public interface DoctorRepo extends JpaRepository<DoctorModel, Integer> {
}

```

PATIENT REPOSITORY

```
package com.example.Hospitalmanagmentjava.Repository;
```

```

import com.example.Hospitalmanagmentjava.Model.DoctorModel;
import com.example.Hospitalmanagmentjava.Model.PatientModel;
import org.springframework.data.jpa.repository.JpaRepository;
import org.springframework.stereotype.Repository;

```

```

@Repository
public interface PatientRepo extends JpaRepository<PatientModel, Integer> {
}

```

APPOINTMENT REPOSITORY

```
package com.example.Hospitalmanagmentjava.Repository;
```

```
import com.example.Hospitalmanagmentjava.Model.AppointmentModel;
```

```
import com.example.Hospitalmanagmentjava.Model.DoctorModel;
import com.example.Hospitalmanagmentjava.Model.PatientModel;
import org.springframework.data.jpa.repository.JpaRepository;
import org.springframework.data.jpa.repository.Query;
import org.springframework.stereotype.Repository;
```

```
import java.util.List;
import java.util.Optional;
```

@Repository

```
public interface AppointmentRepo extends JpaRepository<AppointmentModel, Integer>
{
```

```
}
```

APPOINTMENT SERVICE

```
package com.example.Hospitalmanagmentjava.Service;
```

```
import com.example.Hospitalmanagmentjava.Model.AppointmentModel;
import com.example.Hospitalmanagmentjava.Model.DoctorModel;
import com.example.Hospitalmanagmentjava.Model.PatientModel;
import com.example.Hospitalmanagmentjava.Repository.AppointmentRepo;
import com.example.Hospitalmanagmentjava.Repository.DoctorRepo;
import com.example.Hospitalmanagmentjava.Repository.PatientRepo;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;
```

```
import java.util.List;
```

@Service

```
public class AppointmentService {
    @Autowired
    private AppointmentRepo appointmentRepo;
    public void addAppointment(AppointmentModel e)
    {
        appointmentRepo.save(e);
    }
}
```

```

    public List<AppointmentModel> getappointment(){
        return appointmentRepo.findAll();
    }

}

```

DOCTOR SERVICE

```

package com.example.Hospitalmanagmentjava.Service;

import com.example.Hospitalmanagmentjava.Model.DoctorModel;
import com.example.Hospitalmanagmentjava.Repository.DoctorRepo;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;

import java.util.List;

@Service
public class DoctorService {
    @Autowired
    private DoctorRepo doctorRepo;
    public void addDoctor(DoctorModel e)
    {
        doctorRepo.save(e);
    }

    public List<DoctorModel> getdoctor(){
        return doctorRepo.findAll();
    }
}

```

PATIENT SERVICE

```

package com.example.Hospitalmanagmentjava.Service;

import com.example.Hospitalmanagmentjava.Model.DoctorModel;
import com.example.Hospitalmanagmentjava.Model.PatientModel;
import com.example.Hospitalmanagmentjava.Repository.DoctorRepo;
import com.example.Hospitalmanagmentjava.Repository.PatientRepo;
import org.springframework.beans.factory.annotation.Autowired;

```

```
import org.springframework.stereotype.Service;
```

```
import java.util.List;
```

```
@Service
```

```
public class PatientService {  
    @Autowired  
    private PatientRepo patientRepo;  
    public void addPatient(PatientModel e)  
    {  
        patientRepo.save(e);  
    }  
    public List<PatientModel> getPatient(){  
        return patientRepo.findAll();  
    }  
}
```

APPLICATION

```
package com.example.Hospitalmanagmentjava;
```

```
import org.springframework.boot.SpringApplication;
```

```
import org.springframework.boot.autoconfigure.SpringBootApplication;
```

```
@SpringBootApplication
```

```
public class HospitalManagmentJavaApplication {  
  
    public static void main(String[] args) {  
  
        SpringApplication.run(HospitalManagmentJavaApplication.class, args);  
    }  
  
}
```

HTML

ADD_APPOINTMENT

```
<!doctype html>  
<html lang="en" xmlns:th="http://www.thymeleaf.com">  
<head>  
<!-- Required meta tags -->  
<meta charset="utf-8">
```

```

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<!-- Bootstrap CSS -->
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJISAwIGgFAW/dAiS6JXm"
crossorigin="anonymous">
<title>Home page</title>
</head>
<body>
<!--Navbar-->
<nav class="navbar navbar-expand-lg navbar-dark bg-danger">
<a class="navbar-brand" href="#"> MediGaurd</a>
<button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent"
aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarSupportedContent">
<ul class="navbar-nav mr-auto">
<li class="nav-item active">
<a class="nav-link" href="/">Home <span class="sr-only">(current)</span></a>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button"
data-toggle="dropdown"
aria-haspopup="true" aria-expanded="false" style="color:white">
Doctor
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/adddoctor">Add Doctor</a>
<a class="dropdown-item" href="/view_doctor">View Doctor</a>
</div>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown7" role="button"
data-toggle="dropdown"
aria-haspopup="true" aria-expanded="false" style="color:white">
Patient
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addpatient">Add Patient</a>
<a class="dropdown-item" href="/view_patient">View Patient</a>
</div>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown1" role="button"
data-toggle="dropdown"
aria-haspopup="true" aria-expanded="false" style="color:white">
Appointment
</a>

```

```

<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addappointment">Add Appointment</a>
<a class="dropdown-item" href="/view_appointment">View Appointment</a>
</div>
</li>
<li class="nav-item active">
<a class="nav-link" th:href="@{/logout}">Logout <span class="sr-only"></span></a>
</li>
</ul>
<!-- <form class="form-inline my-2 my-lg-0">-->
<!-- <input class="form-control mr-sm-2" type="search" placeholder="Search" aria-label="Search">-->
<!-- <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>-->
<!-- </form>-->
</div>
</nav>
<!--table-->
<div class="container" style="padding:5%">
<h4 align="center"> Add Appointment</h4>
<form th:userDto="{pat}" th:action="@{/addAppointment}" th:object="{pat}" method="post">
<div class="form-group">
<label>Doctor Name</label>
<select name="doctorName" class="form-control" id="doctordata">
</select>
</div>
<div class="form-group">
<label>patient Name</label>
<select name="patientName" class="form-control" id="patientdata">
</select>
</div>
<div class="form-group">
<label for="exampleInput2">Date & Time</label>
<input type="datetime-local" class="form-control" id="exampleInput2" placeholder="Enter date"
name="date">
</div>
<button type="submit" class="btn btn-primary">Submit</button>
</form>
</div>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384-KJ3o2DKtlkvYIK3UENzmM7KCKRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-ApNbgh9B+Y1QKt3Rn7W3mgPxxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYI"
crossorigin="anonymous"></script>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

```



```

<script>
$( document ).ready(function() {
myselect = document.getElementById('doctordata').innerHTML;
$.ajax({
url : "/getdoc",
type : 'GET',
processData: false,
contentType: false,
success : function(data) {
console.log(Object.keys(data).length);
for(var i=0; i<Object.keys(data).length; i++){
myselect +=
`<option value="+ data[i]['name'] + ">` + data[i]['name'] + " (" + data[i]['id'] + `)</option>`
,
}
document.getElementById('doctordata').innerHTML = myselect;
console.log(myselect);
}
});
</script>
<script>
$( document ).ready(function() {
myselect1 = document.getElementById('patientdata').innerHTML;
$.ajax({
url : "/getpat",
type : 'GET',
processData: false,
contentType: false,
success : function(data) {
console.log(Object.keys(data).length);
for(var i=0; i<Object.keys(data).length; i++){
myselect1 +=
`<option value="+ data[i]['name'] + ">` + data[i]['name'] + " (" + data[i]['id'] + `)</option>`
,
}
document.getElementById('patientdata').innerHTML = myselect1;
console.log(myselect1);
}
});
</script>
</body>
</html>

```

ADD_DOCTOR

```

<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.com">

```

```

<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<!-- Bootstrap CSS -->
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJISAwIGgFAW/dAiS6JXm"
crossorigin="anonymous">
<title>Home page</title>
</head>
<body>
<!--Navbar-->
<nav class="navbar navbar-expand-lg navbar-dark bg-danger">
<a class="navbar-brand" href="#">MediGaurd</a>
<button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false"
aria-label="Toggle navigation">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarSupportedContent">
<ul class="navbar-nav mr-auto">
<li class="nav-item active">
<a class="nav-link" href="/">Home <span class="sr-only">(current)</span></a>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown3" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Doctor
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/adddoctor">Add Doctor</a>
<a class="dropdown-item" href="/view_doctor">View Doctor</a>
</div>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Patient
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addpatient">Add Patient</a>
<a class="dropdown-item" href="/view_patient">View Patient</a>
</div>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown1" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Appointment
</a>

```

```

<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addappointment">Add Appointment</a>
<a class="dropdown-item" href="/view_appointment">View Appointment</a>
</div>
</li>
<li class="nav-item active">
<a class="nav-link" th:href="@{/logout}">Logout <span class="sr-only"></span></a>
</li>
</ul>
<!-- <form class="form-inline my-2 my-lg-0">-->
<!-- <input class="form-control mr-sm-2" type="search" placeholder="Search" aria-label="Search">-->
<!-- <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>-->
<!-- </form>-->
</div>
</nav>
<!--table-->
<div class="container" style="padding:5%">
<h4 align="center"> Add Doctor</h4>
<form th:userDto="{doc}" th:action="@{/addDoctor}" th:object="{doc}" method="post">
<div class="form-group">
<label for="exampleInput1">Doctor Name</label>
<input type="text" class="form-control" id="exampleInput1" aria-describedby="emailHelp"
placeholder="Enter Name" name="name">
</div>
<div class="form-group">
<label for="exampleInput2">Contact Number</label>
<input type="number" class="form-control" id="exampleInput2" placeholder="Mobile Number"
name="phno" maxlength="10">
</div>
<div class="form-group">
<label for="exampleInput3">Specialization</label>
<input type="text" class="form-control" id="exampleInput3" placeholder="Enter Specialization"
name="special">
</div>
<button type="submit" class="btn btn-primary">Submit</button>
</form>
</div>
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYI"
crossorigin="anonymous"></script>
</body>
</html>

```

ADD_PATIENT

```
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.com">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<!-- Bootstrap CSS -->
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJISAwIGgFAW/dAiS6JXm"
crossorigin="anonymous">
<title>Home page</title>
</head>
<body>
<!--Navbar-->
<nav class="navbar navbar-expand-lg navbar-dark bg-danger">
<a class="navbar-brand" href="#">MediGaurd</a>
<button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false"
aria-label="Toggle navigation">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarSupportedContent">
<ul class="navbar-nav mr-auto">
<li class="nav-item active">
<a class="nav-link" href="/">Home <span class="sr-only">(current)</span></a>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Doctor
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/adddoctor">Add Doctor</a>
<a class="dropdown-item" href="/view_doctor">View Doctor</a>
</div>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown8" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Patient
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addpatient">Add Patient</a>
<a class="dropdown-item" href="/view_patient">View Patient</a>
</div>
</li>
```

```

<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown1" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Appointment
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addappointment">Add Appointment</a>
<a class="dropdown-item" href="/view_appointment">View Appointment</a>
</div>
</li>
<li class="nav-item active" >
<a class="nav-link" th:href="@{/logout}">Logout <span class="sr-only"></span></a>
</li>
</ul>
</div>
</nav>
<!--table-->
<div class="container" style="padding:5%">
<h4 align="center"> Add Patient</h4>
<form th:userDto="${pat}" th:action="@{/addPatient}" th:object="${pat}" method="post">
<div class="form-group">
<label for="exampleInput1">Patient Name</label>
<input type="text" class="form-control" id="exampleInput1" aria-describedby="emailHelp"
placeholder="Enter Name" name="name">
</div>
<div class="form-group">
<label for="exampleInput1"> Gender</label>
<select id="gender" name="gender" class="form-control">
<option value=""></option>
<option value="Male">Male</option>
<option value="Female">Female</option>
</select>
</div>
<div class="form-group">
<label for="exampleInput2">Contact Number</label>
<input type="number" class="form-control" id="exampleInput2" placeholder="Mobile Number"
name="phno" minlength="10" maxlength="10">
</div>
<div class="form-group">
<label for="exampleInput3">Address</label>
<input type="text" class="form-control" id="exampleInput3" placeholder="Enter Address"
name="address">
</div>
<button type="submit" class="btn btn-primary">Submit</button>
</form>
</div>
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCKkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>

```

```

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYI"
crossorigin="anonymous"></script>
</body>
</html>

```

INDEX

```

<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.com">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<!-- Bootstrap CSS -->
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJISAwIGgFAW/dAiS6JXm"
crossorigin="anonymous">
<title>Home page</title>
</head>
<body>
<!--Navbar-->
<nav class="navbar navbar-expand-lg navbar-dark bg-danger">
<a class="navbar-brand" href="#">MediGaurd</a>
<button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false"
aria-label="Toggle navigation">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarSupportedContent">
<ul class="navbar-nav mr-auto">
<li class="nav-item active">
<a class="nav-link" href="/">Home <span class="sr-only">(current)</span></a>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Doctor
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/adddoctor">Add Doctor</a>
<a class="dropdown-item" href="/view_doctor">View Doctor</a>
</div>
</li>
<li class="nav-item dropdown">

```

```

<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown1" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Patient
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addpatient">Add Patient</a>
<a class="dropdown-item" href="/view_patient">View Patient</a>
</div>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown1" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Appointment
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addappointment">Add Appointment</a>
<a class="dropdown-item" href="/view_appointment">View Appointment</a>
</div>
</li>
<li class="nav-item active" >
<a class="nav-link" href="/logout/">Logout <span class="sr-only"></span></a>
</li>
</ul>
<!-- <form class="form-inline my-2 my-lg-0">-->
<!-- <input class="form-control mr-sm-2" type="search" placeholder="Search" aria-label="Search">-->
<!-- <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>-->
<!-- </form>-->
</div>
</nav>
<!--table-->
<div class="container" style="margin-top:10px;height:150px;width:100%">
<div class="row" style="height:90%">
<div style="height:100px;" class="col-md-4 prdiv text-center">
<div class="container1">

<h2 style="color:blue" th:text="{dcount}"></h2>
<a href="/view_doctor"><h4 style="color:black">Total Doctors</h4>
</a>
</div>
</div>
<div style="height:100px;" class="col-md-4 prdiv text-center">
<div class="container1">

<h2 style="color:blue" th:text="{pcount}"></h2>
<a href="/view_patient"><h4 style="color:black">Total Patients</h4>
</a>
</div>
</div>
<div style="height:100px;" class="col-md-4 prdiv text-center">

```



```

<div class="container1">

<h2 style="color:blue" th:text="{account}"></h2>
<a href="/view_appointment"><h4 style="color:black">Total Appointments</h4>
</a>
</div>
</div>
</div>
</div>
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384-KJ3o2DKtIkVYIK3UENzmM7KCKRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYI"
crossorigin="anonymous"></script>
</body>
</html>

```

UPDATE_APPOINTMENT

```

<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.com">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<!-- Bootstrap CSS -->
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJISAwIGgFAW/dAiS6JXm"
crossorigin="anonymous">
<title>Home page</title>
</head>
<body>
<!--Navbar-->
<nav class="navbar navbar-expand-lg navbar-dark bg-danger">
<a class="navbar-brand" href="#">MediGaurd</a>
<button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false"
aria-label="Toggle navigation">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarSupportedContent">
<ul class="navbar-nav mr-auto">
<li class="nav-item active">
<a class="nav-link" href="/">Home <span class="sr-only">(current)</span></a>
</li>

```



```

<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Doctor
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/adddoctor">Add Doctor</a>
<a class="dropdown-item" href="/view_doctor">View Doctor</a>
</div>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown1" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Patient
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addpatient">Add Patient</a>
<a class="dropdown-item" href="/view_patient">View Patient</a>
</div>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown1" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Appointment
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addappointment">Add Appointment</a>
<a class="dropdown-item" href="/view_appointment">View Appointment</a>
</div>
</li>
<li class="nav-item active" >
<a class="nav-link" th:href="@{/logout}">Logout <span class="sr-only"></span></a>
</li>
</ul>
</div>
</nav>
<!--table-->
<div class="container" style="padding:5%">
<h4 align="center"> Update Appointment Details</h4>
<form action="#" th:action="@{/update_Appointment/{id}(id=${user.id})}" th:object="${user}"
method="post">
<div class="form-group">
<label>Doctor Name</label>
<select name="doctorName" class="form-control" id="doctordata">
</select>
</div>
<div class="form-group">
<label>patient Name</label>
<select name="patientName" class="form-control" id="patientdata">

```

```

</select>
</div>
<div class="form-group">
<label for="exampleInput2">Date & Time</label>
<input type="datetime-local" class="form-control" id="exampleInput2" placeholder="Enter date"
name="date" th:value="{user.date}">
</div>
<button type="submit" class="btn btn-primary">Submit</button>
</form>
<input type="hidden" th:value="{user.id}" id="appid">
</div>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYI"
crossorigin="anonymous"></script>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script>
var appid=document.getElementById('appid').value;
var appdocname = "";
var appdocid = "";
$( document ).ready(function() {
$.ajax({
url : "/update_appointment_value/"+appid,
type : 'GET',
processData: false,
contentType: false,
success : function(data) {
console.log(Object.keys(data).length, data[0]);
appdocname = data[0]['doctorName'];
appdocid= data[0]['id'];
console.log("My Selected doctor =", appdocname);
console.log("App Doctor Id = ", appdocid);
}
})
});
var appid=document.getElementById('appid').value;
var apppatname = "";
var apppatid = "";
$( document ).ready(function() {
$.ajax({
url : "/update_appointment_value/"+appid,
type : 'GET',

```

```

processData: false,
contentType: false,
success : function(data) {
console.log(Object.keys(data).length, data[0]);
apppatname = data[0]['patientName'];
apppatid= data[0]['id'];
console.log("My Selected patient =", apppatname);
console.log("App Patient Id = ", apppatid);
}
})
});
const myTimeout = setTimeout(myGreeting, 500);
const tyTimeout = setTimeout(myFreeting, 500);
function myGreeting() {
myselect = document.getElementById('doctordata').innerHTML;
$.ajax({
url : "/getdoc",
type : 'GET',
processData: false,
contentType: false,
success : function(data) {
console.log(Object.keys(data).length);
for(var i=0; i<Object.keys(data).length; i++){
if(appdocname===data[i]['name']){
myselect +=
`<option value="${ data[i]['name'] }"selected>` + data[i]['name'] + " (" + data[i]['id'] + `)</option>`
,
}
else{
myselect +=
`<option value="${ data[i]['name'] }">` + data[i]['name'] + " (" + data[i]['id'] + `)</option>`
,
}
}
document.getElementById('doctordata').innerHTML = myselect;
console.log(myselect);
}
})
}
function myFreeting() {
myselect1 = document.getElementById('patientdata').innerHTML;
$.ajax({
url : "/getpat",
type : 'GET',
processData: false,
contentType: false,
success : function(data) {
console.log(Object.keys(data).length);
for(var i=0; i<Object.keys(data).length; i++){

```

```

if(apppatname===data[i]['name']){
myselect1 +=
`<option value="" + data[i]['name'] + "selected">` + data[i]['name'] + " (" + data[i]['id'] + `)</option>`
,
}
else{
myselect1 +=
`<option value="" + data[i]['name'] + ">` + data[i]['name'] + " (" + data[i]['id'] + `)</option>`
,
}
}
}
document.getElementById('patientdata').innerHTML = myselect1;
console.log(myselect1);
}
})
}
</script>
</body>
</html>

```

UPDATE_DOCTOR

```

<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.com">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<!-- Bootstrap CSS -->
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJISAwI GgFAW/dAiS6JXm"
crossorigin="anonymous">
<title>Home page</title>
</head>
<body>
<!--Navbar-->
<nav class="navbar navbar-expand-lg navbar-dark bg-danger">
<a class="navbar-brand" href="#">MediGaurd</a>
<button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false"
aria-label="Toggle navigation">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarSupportedContent">
<ul class="navbar-nav mr-auto">
<li class="nav-item active">
<a class="nav-link" href="/">Home <span class="sr-only">(current)</span></a>
</li>

```

```

<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Doctor
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/adddoctor">Add Doctor</a>
<a class="dropdown-item" href="/view_doctor">View Doctor</a>
</div>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown1" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Patient
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addpatient">Add Patient</a>
<a class="dropdown-item" href="/view_patient">View Patient</a>
</div>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown1" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Appointment
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addappointment">Add Appointment</a>
<a class="dropdown-item" href="/view_appointment">View Appointment</a>
</div>
</li>
<li class="nav-item active" >
<a class="nav-link" th:href="@{/logout}">Logout <span class="sr-only"></span></a>
</li>
</ul>
</div>
</nav>
<!--table-->
<div class="container" style="padding:5%">
<h4 align="center"> Update Doctor Details</h4>
<form action="#" th:action="@{/update_Doctor/{id}(id=${user.id})}" th:object="${user}" method="post">
<div class="form-group">
<label for="exampleInput1">Doctor Name</label>
<input type="text" class="form-control" id="exampleInput1" aria-describedby="emailHelp"
placeholder="Enter Name" name="name" th:value="${user.name}">
</div>
<div class="form-group">
<label for="exampleInput2">Contact Number</label>
<input type="number" class="form-control" id="exampleInput2" placeholder="Mobile Number"
name="phno" th:value="${user.phno}" minlength="10" maxlength="10">

```

```

</div>
<div class="form-group">
<label for="exampleInput3">Specialization</label>
<input type="text" class="form-control" id="exampleInput3" placeholder="Enter Specialization"
name="special" th:value="{user.special}">
</div>
<button type="submit" class="btn btn-primary">Submit</button>
</form>
</div>
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384-KJ3o2DKtIkVYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYI"
crossorigin="anonymous"></script>
</body>
</html>

```

UPDATE_PATIENT

```

<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.com">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<!-- Bootstrap CSS -->
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJISAwGgFAW/dAiS6JXm"
crossorigin="anonymous">
<title>Home page</title>
</head>
<body>
<!--Navbar-->
<nav class="navbar navbar-expand-lg navbar-dark bg-danger">
<a class="navbar-brand" href="#">MediGaurd</a>
<button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false"
aria-label="Toggle navigation">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarSupportedContent">
<ul class="navbar-nav mr-auto">
<li class="nav-item active">
<a class="nav-link" href="/">Home <span class="sr-only">(current)</span></a>
</li>

```

```

<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Doctor
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/adddoctor">Add Doctor</a>
<a class="dropdown-item" href="/view_doctor">View Doctor</a>
</div>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown1" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Patient
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addpatient">Add Patient</a>
<a class="dropdown-item" href="/view_patient">View Patient</a>
</div>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown1" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Appointment
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addappointment">Add Appointment</a>
<a class="dropdown-item" href="/view_appointment">View Appointment</a>
</div>
</li>
<li class="nav-item active" >
<a class="nav-link" th:href="@{/logout}">Logout <span class="sr-only"></span></a>
</li>
</ul>
</div>
</nav>
<!--table-->
<div class="container" style="padding:5%">
<h4 align="center"> update Patient</h4>
<form action="#" th:action="@{/update_Patient/{id}(id=${user.id})}" th:object="${user}" method="post">
<div class="form-group">
<label for="exampleInput1">Patient Name</label>
<input type="text" class="form-control" id="exampleInput1" aria-describedby="emailHelp"
placeholder="Enter Name" name="name" th:value="${user.name}">
</div>
<div class="form-group">
<label for="exampleInput1"> Gender</label>
<select id="gender" name="gender" class="form-control" >
<option value="Male" th:selected="${user.gender=='Male'}">Male</option>

```

```

<option value="Female" th:selected="${user.gender=='Female'}">Female</option>
</select>
</div>
<div class="form-group">
<label for="exampleInput2">Contact Number</label>
<input type="number" class="form-control" id="exampleInput2" placeholder="Mobile Number"
name="phno" th:value="${user.phno}" minlength="10" maxlength="10">
</div>
<div class="form-group">
<label for="exampleInput3">Address</label>
<input type="text" class="form-control" id="exampleInput3" placeholder="Enter Address" name="address"
th:value="${user.address}">
</div>
<button type="submit" class="btn btn-primary">Submit</button>
</form>
</div>
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCKR/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYI"
crossorigin="anonymous"></script>
</body>
</html>

```

VIEW_APPOINTMENT

```

<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.com">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<!-- Bootstrap CSS -->
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJISAwI GgFAW/dAiS6JXm"
crossorigin="anonymous">
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
<title>Home page</title>
</head>
<body>
<!--Navbar-->
<nav class="navbar navbar-expand-lg navbar-dark bg-danger">
<a class="navbar-brand" href="#">Hospital Managment</a>

```



```

<button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false"
aria-label="Toggle navigation">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarSupportedContent">
<ul class="navbar-nav mr-auto">
<li class="nav-item active">
<a class="nav-link" href="/">Home <span class="sr-only">(current)</span></a>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Doctor
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/adddoctor">Add Doctor</a>
<a class="dropdown-item" href="/view_doctor">View Doctor</a>
</div>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown1" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Patient
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addpatient">Add Patient</a>
<a class="dropdown-item" href="/view_patient">View Patient</a>
</div>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown1" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Appointment
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addappointment">Add Appointment</a>
<a class="dropdown-item" href="/view_appointment">View Appointment</a>
</div>
</li>
<li class="nav-item active" >
<a class="nav-link" href="/logout">Logout <span class="sr-only"></span></a>
</li>
</ul>
<!-- <form class="form-inline my-2 my-lg-0">-->
<!-- <input class="form-control mr-sm-2" type="search" placeholder="Search" aria-label="Search">-->
<!-- <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>-->
<!-- </form>-->
</div>

```

```

</nav>
<!--table-->
<div th:if="{session.msg}">
<div class="alert alert-success" role="alert" th:text="{session.msg}">
</div>
<th:block th:text="{#session.removeAttribute('msg')}"></th:block>
</div>
<div class="container" style="padding:2%">
<h4 align="center"> View Appointment</h4>
<table class="table" style="padding:_">
<thead class="bg-danger text-white">
<tr>
<th scope="col">Id</th>
<th scope="col">Doctor Name</th>
<th scope="col">Patient Name</th>
<th scope="col">Date</th>
<th scope="col">Update</th>
<th scope="col">Delete</th>
</tr>
</thead>
<tbody>
<tr th:each="e:{pat}">
<th th:text="{e.id}"></th>
<th th:text="{e.doctorName}"></th>
<th th:text="{e.patientName}"></th>
<th th:text="{e.date}"></th>
<th>
<button class="btn btn-success" data-toggle="model"><a
th:href="{@{/edit_appointment/{id}(id={e.id})}"><i class="fa fa-edit"></i></a></button>
</th>
<td> <button class="btn btn-success" data-toggle="model" onclick="return confirm('Are you sure? You
want to delete')"><a th:href="{@{/delete_appointment/{id}(id={e.id})}"><i class="fa
fa-trash"></i></a></button></td>
</tr>
</tbody>
</table>
</div>
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384-KJ3o2DKtIkVYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYI"
crossorigin="anonymous"></script>
</body>
</html>

```

VIEW_DOCTOR

```
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.com">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<!-- Bootstrap CSS -->
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJISAwIGgFAW/dAiS6JXm"
crossorigin="anonymous">
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/font-awesome@4.7.0/css/font-awesome.min.css">
<title>Home page</title>
</head>
<body>
<!--Navbar-->
<nav class="navbar navbar-expand-lg navbar-dark bg-danger">
<a class="navbar-brand" href="#">MediGaurd</a>
<button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false"
aria-label="Toggle navigation">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarSupportedContent">
<ul class="navbar-nav mr-auto">
<li class="nav-item active">
<a class="nav-link" href="/">Home <span class="sr-only">(current)</span></a>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Doctor
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/adddoctor">Add Doctor</a>
<a class="dropdown-item" href="/view_doctor">View Doctor</a>
</div>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown1" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Patient
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addpatient">Add Patient</a>
<a class="dropdown-item" href="/view_patient">View Patient</a>
</div>
</li>
</ul>
</div>
</nav>
```

```

</div>
</li>
<li class="nav-item dropdown">
  <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown1" role="button"
  data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
  Appointment
  </a>
  <div class="dropdown-menu" aria-labelledby="navbarDropdown">
    <a class="dropdown-item" href="/addappointment">Add Appointment</a>
    <a class="dropdown-item" href="/view_appointment">View Appointment</a>
  </div>
</li>
<li class="nav-item active" >
  <a class="nav-link" th:href="@{/logout}">Logout <span class="sr-only"></span></a>
</li>
</ul>
</div>
</nav>
<div th:if="${session.msg}">
  <div class="alert alert-success" role="alert" th:text="${session.msg}">
  </div>
<th:block th:text="${#session.removeAttribute('msg')}"></th:block>
</div>
<div class="container" style="padding:2%">
  <h4 align="center"> View Doctor</h4>
  <table class="table" style="padding:_">
    <thead class="bg-danger text-white">
      <tr>
        <th scope="col">Id</th>
        <th scope="col">Name</th>
        <th scope="col">Contact</th>
        <th scope="col">Specialization</th>
        <th scope="col">Edit</th>
        <th scope="col">Delete</th>
      </tr>
    </thead>
    <tbody>
      <tr th:each="e:${doc}">
        <th th:text="${e.id}"></th>
        <th th:text="${e.name}"></th>
        <th th:text="${e.phno}"></th>
        <th th:text="${e.special}"></th>
        <th>
          <button class="btn btn-success" data-toggle="model"><a th:href="@{/edit/{id}(id=${e.id})}"><i class="fa
          fa-edit"></i></a></button>
        </th>
        <td> <button class="btn btn-success" data-toggle="model" onclick="return confirm('Are you sure? You
        want to delete')"><a th:href="@{/delete/{id}(id=${e.id})}"><i class="fa fa-trash"></i></a></button></td>
      </tr>
    </tbody>
  </table>

```

```

</tbody>
</table>
</div>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384-KJ3o2DKtlkvYIK3UENzmM7KCKRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYI"
crossorigin="anonymous"></script>
</body>
</html>

```

VIEW_PATIENT

```

<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.com">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<!-- Bootstrap CSS -->
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJISAwIGgFAW/dAiS6JXm"
crossorigin="anonymous">
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
<title>Home page</title>
</head>
<body>
<!--Navbar-->
<nav class="navbar navbar-expand-lg navbar-dark bg-danger">
<a class="navbar-brand" href="#">MediGaurd</a>
<button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false"
aria-label="Toggle navigation">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarSupportedContent">
<ul class="navbar-nav mr-auto">
<li class="nav-item active">
<a class="nav-link" href="/">Home <span class="sr-only">(current)</span></a>
</li>
<li class="nav-item dropdown">

```

```

<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Doctor
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/adddoctor">Add Doctor</a>
<a class="dropdown-item" href="/view_doctor">View Doctor</a>
</div>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown1" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Patient
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addpatient">Add Patient</a>
<a class="dropdown-item" href="/view_patient">View Patient</a>
</div>
</li>
<li class="nav-item dropdown">
<a class="nav-link dropdown-toggle" href="#" id="navbarDropdown1" role="button"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false" style="color:white">
Appointment
</a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown">
<a class="dropdown-item" href="/addappointment">Add Appointment</a>
<a class="dropdown-item" href="/view_appointment">View Appointment</a>
</div>
</li>
<li class="nav-item active" >
<a class="nav-link" th:href="@{/logout}">Logout <span class="sr-only"></span></a>
</li>
</ul>
<!-- <form class="form-inline my-2 my-lg-0">-->
<!-- <input class="form-control mr-sm-2" type="search" placeholder="Search" aria-label="Search">-->
<!-- <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>-->
<!-- </form>-->
</div>
</nav>
<!--table-->
<div th:if="{session.msg}">
<div class="alert alert-success" role="alert" th:text="{session.msg}">
</div>
<th:block th:text="{#session.removeAttribute('msg')}"></th:block>
</div>
<div class="container" style="padding:2%">
<h4 align="center"> View Patient</h4>
<table class="table" style="padding:_">
<thead class="bg-danger text-white">

```

```

<tr>
<th scope="col">Id</th>
<th scope="col">Name</th>
<th scope="col">gender</th>
<th scope="col">Contact Number</th>
<th scope="col">Address</th>
<th scope="col">Update</th>
<th scope="col">Delete</th>
</tr>
</thead>
<tbody>
<tr th:each="e:${pat}">
<th th:text="${e.id}"></th>
<th th:text="${e.name}"></th>
<th th:text="${e.gender}"></th>
<th th:text="${e.phno}"></th>
<th th:text="${e.address}"></th>
<th>
<button class="btn btn-success" data-toggle="model"><a th:href="@{/edit_patient/{id}(id=${e.id})}"><i
class="fa fa-edit"></i></a></button>
</th>
<td> <button class="btn btn-success" data-toggle="model" onclick="return confirm('Are you sure? You
want to delete')"><a th:href="@{/delete_patient/{id}(id=${e.id})}"><i class="fa
fa-trash"></i></a></button></td>
</tr>
</tbody>
</table>
</div>
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYI"
crossorigin="anonymous"></script>
</body>
</html>

```

APPLICATION.PROPERTIES

spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver
spring.datasource.url=jdbc:mysql://localhost:3306/hospital_data

```
spring.datasource.username=root  
spring.datasource.password=1234  
spring.jpa.hibernate.ddl-auto=update  
spring.jpa.show-sql=true  
spring.security.user.name=admin  
spring.security.user.password=admin
```