Employee Name:Muthuraj periyasamy
Employee Id:11949

1.Patient Management System:

PATIENT MANAGEMENT SYSTEM

CRUD OPERATION

- Insert
- Update
- Delete
- Find Patient
- View All

HOSPITAL

Update Patient Record

Patient ID

101

Patient Name

Kumar

Patient Age

20

Patient Email

Kuamr@gmail.com

Patient Blood group

B+ve

Patient Location

Chennai

Update Patient

- PAT-Spring-Hibernate
  - Deployment Descriptor: Archetype Created Web Application
  - Java Resources
    - src/main/java
      - Deployment Descriptor: Archetype Created Web Application
      - com.pat.bean
        - Deployment Descriptor: Archetype Created Web Application
        - Patient.java
      - com.pat.controller
        - Deployment Descriptor: Archetype Created Web Application
        - PATController.java
      - com.pat.dao
        - Deployment Descriptor: Archetype Created Web Application
        - PatientDAO.java
      - com.pat.utill
        - Deployment Descriptor: Archetype Created Web Application
        - DBUtil.java
      - hibernate.cfg.xml
    - src/main/resources
    - src/test/java
    - src/test/resources
    - Libraries
      - JRE System Library [JavaSE-1.7]
      - Maven Dependencies
      - Referenced Libraries

```
> Deployed Resources
v src
  v main
    > java
      resources
    v webapp
      v WEB-INF
        v Views
              DeletePatient.jsp
              DeletePatientFail.jsp
              DeletePatientSuccess.jsp
              FindAllPatient.jsp
              FindPatient.jsp
              FindPatientSuccess.jsp
              Heading.jsp
              InsertPatient.jsp
              InsertPatientFail.jsp
              InsertPatientSuccess.jsp
              Links.jsp
              UpdatePatient.jsp
              UpdatePatientFail.jsp
              UpdatePatientSuccess.jsp
          X spring-servlet.xml
          X web.xml
        index.jsp
  > test
  > target
  M pom.xml
```

CRUD OPERATION

Insert

Update

Delete

Find Patient

View All

HOSPITAL

Update Patient Record

Patient ID

101

Patient Name

Kumar

Patient Age

20

Patient Email

Kuamr@gmail.com

Patient Blood group

B+ve

Patient Location

Chennai

Update Patient

Find All Patient Details

ID	Name	Age	Email	Blood Group	Location		
101	Raj	20	raj@gmail.com	B+ve	Chennai	✏️	🗑️
102	Kumar	6	kumar@gmail.com	B+ve	Chennai	✏️	🗑️
104	Nga	5	nag@gmail.com	B+ve	Chennai	✏️	🗑️

1.Controller:

```
package com.pat.controller;
import java.util.List;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.ModelAttribute;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.servlet.ModelAndView;
```

```java
import com.pat.dao.PatientDAO;
import com.pat.bean.Patient;
@Controller
public class PATController {
        @Autowired
        PatientDAO dao;

        @RequestMapping("Links")
        public ModelAndView sayWelcom1() {
                ModelAndView mv = new ModelAndView();
                mv.setViewName("Links");
                return mv;
        }


        @RequestMapping("Heading")
        public ModelAndView sayWelcom2() {
                ModelAndView mv = new ModelAndView();
                return mv;
        }



        // Insert Patient:
        @RequestMapping("InsertPatient")
        public ModelAndView loadInsertEmployee() {
                ModelAndView mv = new ModelAndView("InsertPatient");
                return mv;
        }
        @RequestMapping("PerformInsert")
    public ModelAndView performInsert(@ModelAttribute("bean") Patient bean)
    {
        ModelAndView mv=new ModelAndView();
            try {
        dao.InsertPatient(bean);
            mv.addObject("value",bean);
            mv.setViewName("InsertPatientSuccess");
        }catch(Exception e)
        {
            mv.setViewName("InsertPatientFail");
        }
        return mv;
```

```java
}
    // UPDATE Patient:
    @RequestMapping("UpdatePatient")
    public ModelAndView loadUpdatePatient() {
            ModelAndView mv = new ModelAndView("UpdatePatient");
            return mv;
    }
    @RequestMapping("up")
    public String UpdatePatient() {
            return "UpdatePatient";
    }
    @RequestMapping("PerformUpdate")
public ModelAndView performUpdate(@ModelAttribute("bean") Patient bean)
{
    ModelAndView mv=new ModelAndView();
        try {
    dao.UpdatePatient(bean);
        mv.addObject("value",bean);
        mv.setViewName("UpdatePatientSuccess");
    }catch(Exception e)
    {
        mv.setViewName("UpdatePatientFail");
    }
    return mv;
}
    // DELETE ID
    @RequestMapping("DeletePatient")
    public ModelAndView loadDeletePatient() {
            List<Integer> list = dao.getIdList();
            ModelAndView mv = new ModelAndView("DeletePatient");
            mv.addObject("idList", list);
            return mv;
    }

    @RequestMapping("PerformDelete")
public ModelAndView performDelete(@ModelAttribute("bean") Patient bean)
{
    ModelAndView mv=new ModelAndView();
        try {
    dao.deletePatient(bean);
```

```java
            mv.addObject("value",bean);
            mv.setViewName("DeletePatientSuccess");
    }catch(Exception e)
      {
            mv.setViewName("DeletePatientFail");
      }
      return mv;
  }


        // FindParticular ID:
        @RequestMapping("FindPatient")
        public ModelAndView loadFindPatient() {
                List<Integer> list = dao.getIdList();
                ModelAndView mv = new ModelAndView("FindPatient");
                mv.addObject("idList", list);
                return mv;
        }
        @RequestMapping("PerformFind")
        public ModelAndView performFind(@ModelAttribute("bean") Patient bean) {
                Patient emp = dao.FindPatient(bean);
                ModelAndView mv = new ModelAndView("FindPatientSuccess");
                mv.addObject("bean", emp);
                return mv;
        }
        // FindALL ID:
        @RequestMapping("FindAllPatient")
        public ModelAndView loadFindAllEmployee() {
                List<Patient> empList = dao.getPatient();
                ModelAndView mv = new ModelAndView("FindAllPatient");
                mv.addObject("idList", empList);
                return mv;
        }
}

2.DAO

package com.pat.dao;
import java.util.List;
import org.hibernate.Session;
import org.hibernate.Transaction;
import org.hibernate.annotations.Parent;
```

```java
import org.hibernate.query.Query;
import com.pat.utill.DBUtil;
import com.pat.bean.Patient;
public class PatientDAO {
        Transaction transaction;
        Session session;
        // Insert
        public void InsertPatient(Patient bean) {
                session = DBUtil.getSession();
                transaction = session.beginTransaction();
                session.save(bean);// Insert
                transaction.commit();
                session.close();
                System.out.println(bean);



}

        // UpdatePatient
        public void UpdatePatient(Patient bean) {
                session = DBUtil.getSession();
                transaction = session.beginTransaction();
                session.update(bean);
                transaction.commit();
                session.close();
        }
        // DeletePatient
        public void deletePatient(Patient bean) {
                session = DBUtil.getSession();
                transaction = session.beginTransaction();
                session.delete(bean);
                transaction.commit();
                session.close();
        }
        // List
        public List<Integer> getIdList() {
                session = DBUtil.getSession();
                transaction = session.beginTransaction();
                Query query = session.createQuery("select id from Patient");
```

```java
                List<Integer> list = query.list();
                transaction.commit();
                session.close();
                return list;
        }
        public Patient FindPatient(Patient bean) {
                session = DBUtil.getSession();
                transaction = session.beginTransaction();
                Patient emp = session.get(Patient.class, bean.getPatId());
                transaction.commit();
                session.close();
                return emp;
        }
        // FindAllPatient
        public Patient FindAllPatient(Patient bean) {
                Session session = DBUtil.getSession();
                Transaction tn = session.beginTransaction();
                Patient emp = session.get(Patient.class, bean.getPatId());
                tn.commit();
                session.close();
                return emp;
        }
        public List<Patient> getPatient() {
                session=DBUtil.getSession();
                transaction=session.beginTransaction();
                Query query=session.createQuery("from Patient");
                List<Patient> List=query.list();
                return List;
        }
}
```

3.BEAN

```java
package com.pat.bean;
import javax.persistence.Column;
import javax.persistence.Entity;
import javax.persistence.Id;
import javax.persistence.Table;
@Entity
@Table(name ="pat")
public class Patient {
```

```java
        @Id
        @Column(name="patId")
        private int patId;

        @Column(name="patName")
    private String patName;

        @Column(name="patAge")
    private int patAge;


        @Column(name="patEmail")
    private  String patEmail;

        @Column(name="patBloodGrp")
    private String patBloodGrp;

        @Column(name="patLoc")
    private String patLoc;
        public Patient(int patId, String patName, int patAge, String patEmail, String
patBloodGrp, String patLoc) {
                super();
                this.patId = patId;
                this.patName = patName;
                this.patAge = patAge;
                this.patEmail = patEmail;
                this.patBloodGrp = patBloodGrp;
                this.patLoc = patLoc;
        }
        public Patient() {
                super();
                // TODO Auto-generated constructor stub
        }
        public int getPatId() {
                return patId;
        }
        public void setPatId(int patId) {
                this.patId = patId;
        }
        public String getPatName() {
```

```java
            return patName;
    }
    public void setPatName(String patName) {
            this.patName = patName;
    }
    public int getPatAge() {
            return patAge;
    }
    public void setPatAge(int patAge) {
            this.patAge = patAge;
    }
    public String getPatEmail() {
            return patEmail;
    }
    public void setPatEmail(String patEmail) {
            this.patEmail = patEmail;
    }
    public String getPatBloodGrp() {
            return patBloodGrp;
    }
    public void setPatBloodGrp(String patBloodGrp) {
            this.patBloodGrp = patBloodGrp;
    }
    public String getPatLoc() {
            return patLoc;
    }
    public void setPatLoc(String patLoc) {
            this.patLoc = patLoc;
    }
    @Override
    public String toString() {
            return "Patient [patId=" + patId + ", patName=" + patName + ", patAge=" +
patAge + ", patEmail=" + patEmail
                            + ", patBloodGrp=" + patBloodGrp + ", patLoc=" + patLoc +
"]";
    }


}
```

4.UTIL

```java
package com.pat.utill;
import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.cfg.Configuration;
public class DBUtil {

  public static Session getSession() {
    Configuration cfg = new Configuration();
    cfg.configure("hibernate.cfg.xml");
    SessionFactory factory = cfg.buildSessionFactory();
    Session session = factory.openSession();
    return session;
  }
}
```

Hibernate.cfg.xml

```xml
<!DOCTYPE hibernate-configuration PUBLIC
"-//Hibernate/Hibernate Configuration DTD 3.0//EN"
"http://hibernate.sourceforge.net/hibernate-configuration-3.0.dtd">
<hibernate-configuration>
  <session-factory>
    <property name="hbm2ddl.auto">update</property>
    <property name="dialect">org.hibernate.dialect.MySQLDialect</property>
    <property name="connection.url">jdbc:mysql://localhost:3306/PMS1</property>
    <property name="connection.username">root</property>
    <property name="connection.password">root</property>
    <property name="connection.driver_class">com.mysql.jdbc.Driver</property>
    <property name="show_sql">true</property>

    <!--    <mapping resource="hibernate.hbm.xml" /> -->
    <mapping class="com.pat.bean.Patient" />
  </session-factory>
</hibernate-configuration>
```

PATIENT MANAGEMENT SYSTEM

CRUD OPERATION

- Insert
- Update
- Delete
- Find Employee

localhost:8080/EMS-Spring-Hibernate/FindAllEmployee

Add Patient Record

Patient ID
101

Patient Name
Raj

Patient Age
20

Patient Email
raj@gmail.com

Patient Blood group
B+ve

Patient Location
Chennai

Insert Patient

INSERT:

PATIENT MANAGEMENT SYSTEM

Add Patient Record

Patient ID
101

Patient Name
Raj

Patient Age
20

Patient Email
raj@gmail.com

Patient Blood group
B+ve

Patient Location
Chennai

Insert Patient

patId	patName	patAge	patEmail	patBloodGrp	patLoc
101	Raj	20	raj@gmail.com	B+ve	Chennai
NULL	NULL	NULL	NULL	NULL	NULL

UPDATE:

PATIENT MANAGEMENT SYSTEM

Update Patient Record

Patient ID

101

Patient Name

Kumar

Patient Age

20

Patient Email

Kuamr@gmail.com

Patient Blood group

B+ve

Patient Location

Chennai

Update Patient

Delete:

Result Grid | Filter Rows: | Edit: | Export/Impo

patId	patName	patAge	patEmail	patBloodGrp	patLoc
102	Kannan	6	kan@gmail.com	B+ve	Chennai
103	Suman	7	suman@gamil.com	B+ve	Chennai
104	Nga	5	nag@gmail.com	B+ve	Chennai
NULL	NULL	NULL	NULL	NULL	NULL

PATIENT MANAGEMENT SYSTEM

Delete Patient Details

PAtient ID   103

DeletePatient

| 103 |
| 104 |

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Cc

patId	patName	patAge	patEmail	patBloodGrp	patLoc
104	Nga	5	nag@gmail.com	B+ve	Chennai
NULL	NULL	NULL	NULL	NULL	NULL

FIND ID:

PATIENT MANAGEMENT SYSTEM

Find Particular Pateint Details

Pateint ID   104

FindPatient

FINDALL:

Index:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
  pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
<frameset rows="10%,90%" >
<frame src="Heading"></frame>
<frameset cols="20%,80%">
<frame src="Links"></frame>
<frame src="InsertPatient" name="content"></frame>
</frameset>
</frameset>
</head>
<body>
</body>
</html>
```

Links:

```html
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet"
integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLlm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title></title>
<style>
nav{
position:fixed;
top:0px;
background:red;
}
.btn1{
    border: 1px solid black;
    border-radius: 10px;
    color: white;
    background: white;
    margin-right:5px;
    width:80px;
    text-align:center;
}
.btn1:hover{
background:blueviolet;
}
.h{
    font-weight:bolder;
}
.cardr{
margin:10px auto;
}
.nav-link {
margin-right:5px;
}
.btn2{
color:red;
```

```html
}
.cardr{
margin:10px auto;
}
button{
    border: 1px solid black;
    border-radius: 10px;
    color: red;
    background: white;
    margin-right:5px;
    text-align:center;
}
.btn1:hover{
background:blueviolet;
}
.h1{
align:center;
}
</style>
</head>
<body  class="bg-light" >
<center> <h1>CRUD OPERATION</h1>
<br>
<div>
<a class="nav-link active  btn   btn-secondary" aria-current="page" href="InsertPatient"
target="content" > <svg xmlns="http://www.w3.org/2000/svg" width="20" height="20"
fill="currentColor" class="bi bi-person-add" viewBox="0 0 16 16">
<path d="M12.5 16a3.5 3.5 0 1 0 0-7 3.5 3.5 0 0 0 0 7m.5-5v1h1a.5.5 0 0 1 0
1h-1v1a.5.5 0 0 1-1 0v-1h-1a.5.5 0 0 1 0-1h1v-1a.5.5 0 0 1 1 0m-2-6a3 3 0 1 1-6 0 3 3 0
0 1 6 0M8 7a2 2 0 1 0 0-4 2 2 0 0 0 0 4"/>
<path d="M8.256 14a4.474 4.474 0 0
1-.229-1.004H3c.001-.246.154-.986.832-1.664C4.484 10.68 5.711 10 8 10c.26 0
.507.009.74.025.226-.341.496-.65.804-.918C9.077 9.038 8.564 9 8 9c-5 0-6 3-6 4s1 1
1 1z"/>
</svg>Insert</a>
</div>
<br>
<div>
```

```html
<a class="nav-link active  btn btn-warning" aria-current="page" href="UpdatePatient"
target="content" ><svg xmlns="http://www.w3.org/2000/svg" width="16" height="16"
fill="currentColor" class="bi bi-pencil" viewBox="0 0 16 16">
<path d="M12.146.146a.5.5 0 0 1 .708 0l3 3a.5.5 0 0 1 0 .708l-10 10a.5.5 0 0
1-.168.11l-5 2a.5.5 0 0 1-.65-.65l2-5a.5.5 0 0 1 .11-.168l10-10zM11.207 2.5 13.5 4.793
14.793 3.5 12.5 1.207zm1.586 3L10.5 3.207 4 9.707V10h.5a.5.5 0 0 1 .5.5v.5h.5a.5.5 0
0 1 .5.5v.5h.293zm-9.761 5.175-.106.106-1.528 3.821 3.821-1.528.106-.106A.5.5 0 0 1
5 12.5V12h-.5a.5.5 0 0 1-.5-.5V11h-.5a.5.5 0 0 1-.468-.325z"/>
</svg> Update</a>
</div>
<br>
<div>
<a class="nav-link active   btn btn-danger" href="DeletePatient"  target="content" ><svg
xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi
bi-trash" viewBox="0 0 16 16">
<path d="M5.5 5.5A.5.5 0 0 1 6 6v6a.5.5 0 0 1-1 0V6a.5.5 0 0 1 .5-.5m2.5 0a.5.5 0 0 1
.5.5v6a.5.5 0 0 1-1 0V6a.5.5 0 0 1 .5-.5m3 .5a.5.5 0 0 0-1 0v6a.5.5 0 0 0 1 0z"/>
<path d="M14.5 3a1 1 0 0 1-1 1H13v9a2 2 0 0 1-2 2H5a2 2 0 0 1-2-2V4h-.5a1 1 0 0
1-1-1V2a1 1 0 0 1 1-1H6a1 1 0 0 1 1-1h2a1 1 0 0 1 1h3.5a1 1 0 0 1 1 1zM4.118 4 4
4.059V13a1 1 0 0 1 1h6a1 1 0 0 0 1-1V4.059L11.882 4zM2.5 3h11V2h-11z"/>
</svg>Delete</a>
</div>
<br>
<div>
<a class="nav-link active   btn btn-info" href="FindPatient"  target="content" ><svg
xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi
bi-search" viewBox="0 0 16 16">
<path d="M11.742 10.344a6.5 6.5 0 1 0-1.397
1.398h-.001c.03.04.062.078.098.115l3.85 3.85a1 1 0 0 0 1.415-1.414l-3.85-3.85a1.007
1.007 0 0 0-.115-.1zM12 6.5a5.5 5.5 0 1 1-11 0 5.5 5.5 0 0 1 11 0"/>
</svg>Find Patient</a>
</div>
<br>
<div>
<a class="nav-link active   btn btn-primary" href="FindAllEmployee"  target="content"
><svg xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor"
class="bi bi-table" viewBox="0 0 16 16">
<path d="M0 2a2 2 0 0 1 2-2h12a2 2 0 0 1 2 2v12a2 2 0 0 1-2 2H2a2 2 0 0 1-2-2zm15
2h-4v3h4zm0 4h-4v3h4zm0 4h-4v3h3a1 1 0 0 0 1-1zm-5 3v-3H6v3zm-5 0v-3H1v2a1 1
0 0 0 1 1zm-4-4h4V8H1zm0-4h4V4H1zm5-3v3h4V4zm4 4H6v3h4V4zm4 4H6v3h4z"/>
```

```
</svg> View All</a></div></center>
<br>
<img
src="https://static.vecteezy.com/system/resources/thumbnails/004/493/181/small/hospit
al-building-for-healthcare-background-illustration-with-ambulance-car-doctor-patient-nur
ses-and-medical-clinic-exterior-free-vector.jpg" width="300" height="150">

</body>
</html>

Insert:

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet"
integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLlm9Nao0Yz1ztcQTwFspd3yD65Voh
hpuuCOmLASjC" crossorigin="anonymous">
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
        pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<style>
.cardr {
        margin: 10px auto;
}
</style>
<script >
function validate(){
  var name="^[A-Z a-z]+$";
    var pass="^[0-9.]+$";
  var pid=document.getElementById("id1").value;
  var pName=document.getElementById("name").value;
  var page=document.getElementById("age").value;
  var pEmail=document.getElementById("email").value;
  var pBloodGr=document.getElementById("Blood").value;
  var pLoc=document.getElementById("location").value;

  if (pid==null || pid==""){
    alert("Patient Id can't be blank!!!");
    return false;
```

```javascript
            }
    else if(!pid.match(pass))
        {
        alert("Enter valid ID!!!");
         return false;
        }

    if (pName==null || pName==""){
        alert("Patient Name can't be blank!!!");
        return false;
        }
    else if(!pName.match(name))
        {
        alert("Enter valid Name!!!");
        return false;
        }
    if (page==null || page==""){
        alert("Patient age can't be blank!!!");
        return false;
        }
    else if(!page.match(name))
        {
        alert("Enter valid age!!!");
         return false;
        }

    if (pEmail==null || page==""){
        alert("Patient Email can't be blank!!!");
        return false;
        }
    else if(!pEmail.match(name))
        {
        alert("Enter valid Email!!!");
         return false;
        }
    if (pBloodGr==null || page==""){
            alert("Patient BloodGroup can't be blank!!!");
            return false;
            }
        else if(!pBloodGr.match(name))
```

```
                {
                alert("Enter valid BloodGroup!!!");
                 return false;
                }
    if (pLoc==null || page==""){
            alert("Patient Location can't be blank!!!");
            return false;
            }
        else if(!pLoc.match(name))
            {
            alert("Enter valid Loactaion!!!");
             return false;
            }
    }
</script>
</head>
<body class="bg-light">
      <div class="container p-4">
            <div class="row">
                  <div class="col-md-6   cardr ">
                        <div class="card">
                              <div class="card-body card-center ">
                                    <p class="fs-3 text-center">Add Patient
Record</p>
                                    <form action="PerformInsert" method="Get">
                                          <div class="mb-1">
                                                <label class="form-label">Patient
ID</label> <input type="text"
                                                    name="patId" id="id1"
class="form-control" >
                                          </div>
                                          <div class="mb-1">
                                                <label class="form-label">Patient
Name</label> <input
                                                    type="text"
name="patName"  id="name" class="form-control" >
                                          </div>
                                          <div class="mb-1 ">
                                                <label class="form-label">Patient
Salary</label> <input
```

```
                                                            type="text"
name="patAge" id="age" class="form-control" >
                                                    </div>

                                    <div class="mb-1 ">
                                            <label class="form-label">Patient
Salary</label> <input
                                                    type="text"
name="patEmail" id="email" class="form-control" >
                                                    </div>

                                    <div class="mb-1 ">
                                            <label class="form-label">Patient
Salary</label> <input
                                                    type="text"
name="patBloodGrp" id="Blood" class="form-control" >
                                                    </div>

                                    <div class="mb-1 ">
                                            <label class="form-label">Patient
Salary</label> <input
                                                    type="text" name="patLoc"
id="location" class="form-control" >
                                            </div>
                                    <input type="submit" value="Insert
Patient"
                                                    class="btn btn-primary
col-md-12" name="pms button" onclick="validate()">
                                    </form>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
</body>
</html>
```

Update:

```
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet"
```

```jsp
integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLlm9Nao0Yz1ztcQTwFspd3yD65Voh
hpuuCOmLASjC" crossorigin="anonymous">
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
  pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<style>
.cardr{
margin:10px auto;
}
</style>
<script >
function validate(){
  var name="^[A-Z a-z]+$";
    var pass="^[0-9.]+$";
  var eid=document.getElementById("id1").value;
  var eName=document.getElementById("name").value;
  var eSalary=document.getElementById("salary").value;

  if (eid==null || eid==""){
    alert("Employee Id can't be blank!!!");
    return false;
    }
  else if(!eid.match(pass))
    {
    alert("Enter valid ID!!!");
     return false;
    }

  if (eName==null || eName==""){
    alert("Employee Name can't be blank!!!");
    return false;
    }
  else if(!eName.match(name))
    {
    alert("Enter valid Name!!!");
    return false;
    }
```

```html
    if (eSalary==null || eSalary==""){
        alert("Employee salary can't be blank!!!");
        return false;
        }
    else if(!eSalary.match(name))
        {
        alert("Enter valid Salary!!!");
         return false;
        }
    }
</script>
</head>
<body  class="bg-light">
 <div class="container p-4">
 <div class="row" >
 <div class="col-md-6   cardr ">
 <div  class="card">
 <div class="card-body card-center ">
 <p class="fs-3 text-center">Update Employee Record</p>
 <form  action="PerformUpdate" method="Post">
 <div class="mb-1">
  <label  class="form-label">Employee ID</label>
  <input  type="text"   name="Emp_id"   id="id1" class="form-control" required>
</div>
<div class="mb-1">
  <label  class="form-label">Employee Name</label>
  <input type="text" name="Emp_name" id="name" class="form-control" required  >
</div>
<div class="mb-1 ">
  <label  class="form-label">Employee Salary</label>
  <input  type="text" name="Emp_salary"   id="salary" class="form-control" required>
</div>
 <input  type="submit" value="Update Employee" class="btn btn-primary col-md-12"
name="ems button"  onclick="validate()">
</form>
</div>
</div>
</div>
</div>
</div>
```

```
</body>
</html>
```

Delete:

```
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet"
integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLlm9Nao0Yz1ztcQTwFspd3yD65Voh
hpuuCOmLASjC" crossorigin="anonymous">
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
  pageEncoding="ISO-8859-1"%>
  <%@ taglib prefix = "c" uri = "http://java.sun.com/jsp/jstl/core" %>
  <%@ page isELIgnored="false" %>

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
<style>
.cardr{
margin:10px auto;
}
 select{
        width:100px;
        height: 50px;
        border: 1px solid black;
        border-radius: 10px;
        background-color: blueviolet;
        color: white;
        text-align: center;
        cursor: pointer;

    }
    select option{
        width:100px;
        height: 50px;
        border: 1px solid black;
        border-radius: 10px;
        background-color: blueviolet;
```

```html
        color: white;

    }

    label{
    margin:0 0 0 25%;
    }
</style>
</head>
<body class="bg-light">
 <div class="container p-4">
 <div class="row">
 <div class="col-md-6 cardr">
 <div  class="card">
 <div  class="card-body">
 <p class="fs-3 text-center">Delete Employee Details</p>
 <form  action="PerformDelete" method="Post">
 <div class="mb-1">
  <label  class="form-label">PAtient ID</label>
     <select name="patId">
      <c:forEach items="${idList}" var="a">
      <option>${a}</option>
      </c:forEach>
      </select>
</div>
<input  type="submit" value="DeletePatient"   class="btn btn-primary col-md-6"
name="pat button" >
</form>
 </div>
 </div>
 </div>
 </div>
 </div>
 <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
integrity="sha384-MrcW6ZMFYlzcLA8NI+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+Jc
Xn/tWtIaxVXM" crossorigin="anonymous"></script>
</body>
</html>
```

Find:

```jsp
<link
        href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
        rel="stylesheet"

integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLlm9Nao0Yz1ztcQTwFspd3yD65Voh
hpuuCOmLASjC"
        crossorigin="anonymous">
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
        pageEncoding="ISO-8859-1"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<%@ page isELIgnored="false"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
<style>
.cardr {
        margin: 10px auto;
}
select {
        width: 100px;
        height: 50px;
        border: 1px solid black;
        border-radius: 10px;
        background-color: blueviolet;
        color: white;
        text-align: center;
        cursor: pointer;
}
select option {
        width: 100px;
        height: 50px;
        border: 1px solid black;
        border-radius: 10px;
        background-color: blueviolet;
        color: white;
}
label {
        margin: 0 0 0 25%;
```

```html
}
</style>
</head>
<body class="bg-light">
    <div class="container p-4">
        <div class="row">
            <div class="col-md-6 cardr">
                <div class="card">
                    <div class="card-body">
                        <p class="fs-3 text-center">Find Particular Pateint Details</p>
                        <form action="PerformFind" method="Post">
                            <div class="mb-1">
                                <label class="form-label">Pateint ID</label> <select
                                    name="Emp_id">
                                    <c:forEach items="${idList}" var="a">

                                        <option>${a}</option>

                                    </c:forEach>
                                </select>
                            </div>
                            <br> <input type="submit" value="FindPatient"
                                name="ems button" class="btn btn-primary col-md-6">
                        </form>
                    </div>
                </div>
            </div>
        </div>
    </div>
    <script
        src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
        integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
        crossorigin="anonymous"></script>
```

```
</body>
</html>
```

FindAll:

```
<link
        href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
        rel="stylesheet"

        integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLlm9Nao0Yz1ztcQTwFspd3yD65Voh
hpuuCOmLASjC"
        crossorigin="anonymous">
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
        pageEncoding="ISO-8859-1"%>

<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<%@ page isELIgnored="false"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
<style>
.cardr {
        margin: 10px auto;
}
button {
        border: 1px solid black;
        border-radius: 10px;
        color: red;
        background: white;
        margin-right: 5px;
        text-align: center;
}
.btn1:hover {
        background: blueviolet;
}
</style>
</head>
<body class="bg-light">
        <div class="container p-4">
```

```html
<div class="row">
    <div class="col-md-12 cardr">
        <div class="card">
            <div class="card-body">
                <p class="fs-3 text-center">Find All Patient Details</p>
                <table class="table">
                    <thead>
                        <tr>
                            <th class="text-center" scope="col">ID</th>
                            <th class="text-center" scope="col">Name</th>
                            <th class="text-center" scope="col">Age</th>
                            <th class="text-center" scope="col">Email</th>
                            <th class="text-center" scope="col">Blood Group</th>
                            <th class="text-center" scope="col">Location</th>
                        </tr>
                    </thead>
                    <tbody>
                        <c:forEach items="${idList}" var="e">
                            <tr>
                                <td class="text-center" >${e.getPatId()}</td>
                                <td class="text-center">${e.getPatName()}</td>
                                <td class="text-center">${e.getPatAge()}</td>
                                <td class="text-center" >${e.getPatEmail()}</td>
                                <td class="text-center">${e.getPatBloodGrp()}</td>
                                <td class="text-center">${e.getPatLoc()}</td>
```

```html
                                                        <td
class="text-center"><a class="btn btn-warning" href="UpdatePateint.jsp"
target="content" ><svg xmlns="http://www.w3.org/2000/svg" width="16" height="16"
fill="currentColor" class="bi bi-pencil" viewBox="0 0 16 16">
<path d="M12.146.146a.5.5 0 0 1 .708 0l3 3a.5.5 0 0 1 0 .708l-10 10a.5.5 0 0
1-.168.11l-5 2a.5.5 0 0 1-.65-.65l2-5a.5.5 0 0 1 .11-.168l10-10zM11.207 2.5 13.5 4.793
14.793 3.5 12.5 1.207zm1.586 3L10.5 3.207 4 9.707V10h.5a.5.5 0 0 1 .5.5v.5h.5a.5.5 0
0 1 .5.5v.5h.293zm-9.761 5.175-.106.106-1.528 3.821 3.821-1.528.106-.106A.5.5 0 0 1
5 12.5V12h-.5a.5.5 0 0 1-.5-.5V11h-.5a.5.5 0 0 1-.468-.325z"/>
</svg></a></td>
  <form action="PATController" method="post">
   <td class="text-center"><button class="btn btn-danger"   name="Pat button"><svg
xmlns="http://www.w3.org/2000/svg" width="16" height="16" fill="currentColor" class="bi
bi-trash" viewBox="0 0 16 16">
 <path d="M5.5 5.5A.5.5 0 0 1 6 6v6a.5.5 0 0 1-1 0V6a.5.5 0 0 1 .5-.5m2.5 0a.5.5 0 0 1
.5.5v6a.5.5 0 0 1-1 0V6a.5.5 0 0 1 .5-.5m3 .5a.5.5 0 0 0-1 0v6a.5.5 0 0 0 1 0z"/>
 <path d="M14.5 3a1 1 0 0 1-1 1H13v9a2 2 0 0 1-2 2H5a2 2 0 0 1-2-2V4h-.5a1 1 0 0
1-1-1V2a1 1 0 0 1 1-1H6a1 1 0 0 1 1-1h2a1 1 0 0 1 1 1h3.5a1 1 0 0 1 1 1zM4.118 4 4
4.059V13a1 1 0 0 0 1 1h6a1 1 0 0 0 1-1V4.059L11.882 4zM2.5 3h11V2h-11z"/>
</svg></button></td>
   </form>
                                                        </tr>
                                                </c:forEach>
                                        </tbody>
                                </table>
                        </div>
                </div>
            </div>
          </div>
      </div>
</body>
</html>


MYSQL:

1 ●    Create database PMS1;
2      use PMS1;
```

patId	patName	patAge	patEmail	patBloodGrp	patLoc
102	Kannan	6	kan@gmail.com	B+ve	Chennai
103	Suman	7	suman@gamil.com	B+ve	Chennai
104	Nga	5	nag@gmail.com	B+ve	Chennai
NULL	NULL	NULL	NULL	NULL	NULL