

Problem Statement: Vaccination Centre

1.Vaccination Center

Admin.java

```
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;

import lombok.Data;

@Entity

public class Admin {
    public int getId() {
        return id;
    }
    public void setId(int id) {
        this.id = id;
    }
    public String getUsername() {
        return uname;
    }
    public void setUsername(String uname) {
        this.uname = uname;
    }
    public String getEmail() {
        return uemail;
    }
    public void setEmail(String uemail) {
        this.uemail = uemail;
    }
    public String getPassword() {
        return upass;
    }
    public void setPassword(String upass) {
        this.upass = upass;
    }
    @Id
    @GeneratedValue (strategy = GenerationType.IDENTITY)
    private int id;
    private String uname;
    private String uemail;
    private String upass;
}
```

Citirepclass.java

```
package com.vaccine;

import java.util.List;

import org.springframework.data.jpa.repository.Query;
import org.springframework.transaction.annotation.Transactional;
import org.springframework.data.jpa.repository.JpaRepository;
import org.springframework.data.jpa.repository.Modifying;

public interface Citirepclass extends JpaRepository<Citizens,Integer>{

    String query="select citizen from Citizens citizen where
clinicname=?1";
    @Query(query)
    public List<Citizens> findbyclinicname(String clinicname);

    String query1="delete from Citizens citz where
citz.clinicname=:clinicname";
    @Transactional
    @Modifying
    @Query(query1)
    public void deleteByName(String clinicname);

    String query2="update Citizens Set clinicname=:newclinicname
Where clinicname=:prevclinicname";
    @Transactional
    @Modifying
    @Query(query2)
    public void updateByName(String newclinicname,String
prevclinicname);

}
```

Citizens.java

```
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;

import lombok.Data;

@Entity

public class Citizens {
    @Id
    @GeneratedValue (strategy = GenerationType.IDENTITY)
    private int id;
    private String name;
```

```

private String city;
private String clinicname;
private int noofdose;
private String Status;
    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 getCity() {
        return city;
    }
    public void setCity(String city) {
        this.city = city;
    }
    public String getClinicname() {
        return clinicname;
    }
    public void setClinicname(String clinicname) {
        this.clinicname = clinicname;
    }
    public int getNoofdose() {
        return noofdose;
    }
    public void setNoofdose(int noofdose) {
        this.noofdose = noofdose;
    }
    public String getStatus() {
        return Status;
    }
    public void setStatus(String status) {
        Status = status;
    }

```

```

}

```

City.java

```
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;

import lombok.Data;

@Entity

public class City {
    public int getId() {
        return id;
    }
    public void setId(int id) {
        this.id = id;
    }
    public String getCityname() {
        return cityname;
    }
    public void setCityname(String cityname) {
        this.cityname = cityname;
    }
    @Id
    @GeneratedValue (strategy = GenerationType.IDENTITY)
    private int id;
    private String cityname;
}
```

Crepclass.java

```
package com.vaccine;

import org.springframework.data.jpa.repository.JpaRepository;

public interface Crepclass extends JpaRepository<City,Integer> {

}
```

Repoclass.java

```
package com.vaccine;

import org.springframework.data.jpa.repository.JpaRepository;

public interface Repoclass extends JpaRepository<Admin,Integer>{

}
```

ServletInitializer.java

```
package com.vaccine;

import org.springframework.boot.builder.SpringApplicationBuilder;

import
org.springframework.boot.web.servlet.support.SpringBootServletInitializer;

public class ServletInitializer extends SpringBootServletInitializer {

    @Override

    protected SpringApplicationBuilder configure(SpringApplicationBuilder
application) {

        return application.sources(VaccineCenterApplication.class);

    }

}
```

Vaccenter.java

```
package com.vaccine;

import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;

import lombok.Data;

@Entity
@Data
public class Vaccenter {

    @Id
    @GeneratedValue (strategy = GenerationType.IDENTITY)
    private int id;

    private String name;

    private String city;

    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 getCity() {
        return city;
    }

    public void setCity(String city) {
        this.city = city;
    }
}

```

VaccineCenterApplication.java

```

package com.vaccine;

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

@SpringBootApplication

public class VaccineCenterApplication {

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

}

```

VaccineController.java

```
package com.vaccine;

import java.util.List;

import java.util.Optional;

import java.util.logging.Logger;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Controller;

import org.springframework.web.bind.annotation.PathVariable;

import org.springframework.web.bind.annotation.RequestMapping;

import org.springframework.web.servlet.ModelAndView;

@Controller

public class VaccineController {

    Logger log =Logger. getAnonymousLogger();

    @Autowired

    VaccineDao dao;

    @RequestMapping("/")

    public ModelAndView loadbasepage(HttpServletRequest request,HttpServletResponse response) {

        ModelAndView mv=new ModelAndView();
```



```

        mv.setViewName("index");

        return mv;

    }

    @RequestMapping("/login")

    public ModelAndView login(HttpServletRequest request,
        HttpServletResponse response) {

        ModelAndView mv = new ModelAndView();

        String name = request.getParameter("uname");

        String pass = request.getParameter("pass");

        int value = dao.login(name, pass);

        if (value != 0) {

            HttpSession session = request.getSession();

            session.setAttribute("UserName", name);

            mv.setViewName("redirect:/dashboard");

            return mv;

        } else {

            mv.setViewName("fail");

            return mv;

        }

    }

    @RequestMapping("/logout")

    public ModelAndView logout(HttpServletRequest request,
        HttpServletResponse response) {

        ModelAndView mv = new ModelAndView();

```

```
        HttpSession session=request.getSession();

        session.invalidate();

        mv.setViewName("redirect:/logout.jsp");

        return mv;

    }
}
```

```
@RequestMapping("/register")

public ModelAndView insert(HttpServletRequest request,
HttpServletResponse response) {

    ModelAndView mv = new ModelAndView();

    Admin adm = new Admin();

    adm.setUname(request.getParameter("uname"));

    adm.setUemail(request.getParameter("uemail"));

    adm.setUpass(request.getParameter("upass"));

    Admin value = dao.insertadm(adm);

    if (value != null) {

        mv.setViewName("RegSuccess");

        return mv;

    } else {

        mv.setViewName("fail");

        return mv;

    }

}

}
```

```

    @RequestMapping("/dashboard")

    public ModelAndView dash(HttpServletRequest request,
        HttpServletResponse response) {

        ModelAndView mv = new ModelAndView();

        List<Vaccenter> listvc = dao.getcent();

        mv.setViewName("Dashboard");

        mv.addObject("listvc", listvc);

        return mv;

    }

//Retrive city from db

    @RequestMapping("/addvcent")

    public ModelAndView reqciti(HttpServletRequest request,
        HttpServletResponse response) {

        ModelAndView mv = new ModelAndView();

        List<City> citi = dao.getcity();

        if (citi != null) {

            mv.setViewName("Addvac");

            mv.addObject("citi", citi);

            return mv;

        } else {

            mv.setViewName("fail.jsp");

            return null;

        }

    }
}

```

```

//insert vaccenter in db

@RequestMapping("/addvac")

    public ModelAndView insertvac(HttpServletRequest request,
    HttpServletResponse response) {

        ModelAndView mv = new ModelAndView();

        Vaccenter vc = new Vaccenter();

        vc.setName(request.getParameter("cname"));

        vc.setCity(request.getParameter("selectedCity"));

        Vaccenter value = dao.insertcent(vc);

        if (value != null) {

            mv.setViewName("redirect:/dashboard");

            return mv;

        } else {

            mv.setViewName("fail");

            return mv;

        }

    }

}

@RequestMapping("/viewvac")

    public ModelAndView viewvac(HttpServletRequest request,
    HttpServletResponse response) {

        ModelAndView mv = new ModelAndView();

        int id = Integer.parseInt(request.getParameter("id"));

        String clinicname = request.getParameter("name");

```

```

        Vaccenter vlist = dao.findbyid(id);

        List<Citizens> clist = dao.findbyclinicname(clinicname);

        mv.setViewName("vcview");

        mv.addObject("vlist", vlist);

        mv.addObject("clist", clist);

        return mv;
    }

```

```

@RequestMapping("/editvac")

    public ModelAndView editvac(HttpServletRequest request,
        HttpServletResponse response) {

        int id = Integer.parseInt(request.getParameter("id"));

        ModelAndView mv = new ModelAndView();

        List<City> citi = dao.getcity();

        Vaccenter optlist = dao.update(id);

        if (optlist != null) {

            mv.setViewName("editcent");

            mv.addObject("optlist", optlist);

            mv.addObject("citi", citi);

            return mv;

        }

        return mv;

    }

```

```

@RequestMapping("/update")

```

```

    public ModelAndView updateVac(HttpServletRequest request,
HttpServletResponse response) {

        Vaccenter vc = new Vaccenter();

        ModelAndView mv = new ModelAndView();

        String prev = request.getParameter("prevname");

        log.info(prev);

        int id = Integer.parseInt(request.getParameter("id"));

        String name = request.getParameter("cname");

        String city = request.getParameter("cityname");

        vc.setId(id);

        vc.setName(name);

        vc.setCity(city);

        Vaccenter value = dao.updatedet(vc);

        dao.updateByName(name, prev);

        if (value != null) {

            mv.setViewName("redirect:/dashboard");

            return mv;

        } else {

            mv.setViewName("fail");

            return mv;

        }

    }
}

```

```

@RequestMapping("/deletevac")

```

```

    public ModelAndView delVac(HttpServletRequest request,
HttpServletResponse response) {

```

```

        Vaccenter vc = new Vaccenter();

        ModelAndView mv = new ModelAndView();

        int id = Integer.parseInt(request.getParameter("id"));

        String name = (request.getParameter("name"));

        log.info(name);

        dao.deletecent(id);

        dao.deletebyname(name);

        mv.setViewName("redirect:/dashboard");

        return mv;
    }

```

```

@RequestMapping("/citidash")

    public ModelAndView citidash(HttpServletRequest request,
        HttpServletResponse response) {

        ModelAndView mv = new ModelAndView();

        List<Citizens> listctzn = dao.getciti();

        mv.setViewName("citidashboard");

        mv.addObject("listctzn", listctzn);

        return mv;
    }

```

```

@RequestMapping("/getciticenter")

    public ModelAndView getcent(HttpServletRequest request,
        HttpServletResponse response) {

        Vaccenter vc = new Vaccenter();

        ModelAndView mv = new ModelAndView();

```

```

        List<Vaccenter> centerlist = dao.getcent();

        List<City> citi = dao.getcity();

        mv.setViewName("Addciti");

        mv.addObject("citi", citi);

        mv.addObject("centerlist", centerlist);

        return mv;

    }

```

```

@RequestMapping("/addcitizen")

    public ModelAndView insertciti(HttpServletRequest request,
HttpServletResponse response) {

        ModelAndView mv = new ModelAndView();

        Citizens citi = new Citizens();

        citi.setName(request.getParameter("cname"));

        citi.setClinicname(request.getParameter("selectedCenter"));

        citi.setCity(request.getParameter("selectedCity"));

        int dose = Integer.parseInt(request.getParameter("noofdose"));

        citi.setNoofdose(dose);

        if (dose == 0) {

            citi.setStatus("Not vaccinated");

        } else if (dose == 1) {

            citi.setStatus("Partially vaccinated");

        } else if (dose == 2) {

            citi.setStatus("Fully vaccinated");

        }

    }

```



```

        Citizens ctzn = dao.insertciti(citi);

        if (ctzn != null) {

            mv.setViewName("redirect:/citidash");

            return mv;

        } else {

            mv.setViewName("fail");

            return mv;

        }

    }
}

```

```

@RequestMapping("/viewciti")

    public ModelAndView viewciti(HttpServletRequest request,
    HttpServletResponse response) {

        ModelAndView mv = new ModelAndView();

        int id = Integer.parseInt(request.getParameter("id"));

        Citizens citiinfo = dao.getcitibyid(id);

        mv.setViewName("viewciti");

        mv.addObject("citiinfo", citiinfo);

        return mv;

    }
}

```

```

@RequestMapping("/editcit")

    public ModelAndView editciti(HttpServletRequest request,
    HttpServletResponse response) {

        int id = Integer.parseInt(request.getParameter("id"));

        ModelAndView mv = new ModelAndView();

        Citizens citz = dao.getcitibyid(id);
    }
}

```

```

        List<City> city = dao.getcity();

        List<Vaccenter> centerlist = dao.getcent();

        mv.setViewName("citedit");

        mv.addObject("citi", city);

        mv.addObject("citiinfo", citz);

        mv.addObject("centerlist", centerlist);

        return mv;

    }

```

```

@RequestMapping("/updateciti")

    public ModelAndView updateciti(HttpServletRequest request,
    HttpServletResponse response) {

        Citizens citi = new Citizens();

        ModelAndView mv = new ModelAndView();

        citi.setId(Integer.parseInt(request.getParameter("cid")));

        citi.setName(request.getParameter("cname"));

        citi.setCity(request.getParameter("cityname"));

        citi.setClinicname(request.getParameter("centername"));

        int dose = Integer.parseInt(request.getParameter("dose"));

        citi.setNoofdose(dose);

        if (dose == 0) {

            citi.setStatus("Not vaccinated");

        } else if (dose == 1) {

            citi.setStatus("Partially vaccinated");

        } else if (dose == 2) {

```

```

        citi.setStatus("Fully vaccinated");
    }

    Citizens ctzn = dao.updatecitz(citi);

    if (ctzn != null) {

        mv.setViewName("redirect:/citidash");

        return mv;
    } else {

        mv.setViewName("fail");

        return mv;
    }

}

@RequestMapping("/deleteciti")

public ModelAndView delCit(HttpServletRequest request,
HttpServletResponse response) {

    ModelAndView mv = new ModelAndView();

    int id = Integer.parseInt(request.getParameter("id"));

    dao.deleteciti(id);

    mv.setViewName("redirect:/citidash");

    return mv;
}

}

```

VaccineDao.java

```
package com.vaccine;

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

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;
import org.springframework.transaction.annotation.Transactional;

@Service
@Transactional

public class VaccineDao {

    @Autowired
    Repoclass arepos;

    @Autowired
    Vrepclass vrepos;

    @Autowired
    Crepclass crepos;

    @Autowired
    Citirepclass citirepos;

    public Admin insertadm(Admin am) {
```

```

        return arepos.save(am);

    }

    public int login(String aname, String pass) {

        // TODO Auto-generated method stub

        int value=0;

        List<Admin> us = arepos.findAll();

        for(Admin adm:us) {

            String name=adm.getUname();

            String upass=adm.getUpass();

            if(name.equals(aname)&&upass.equals(pass)){

                value=1;

                return value;

            }

        }

        return value ;

    }

    //Vaccine Crud

    public Vaccenter insertcent(Vaccenter vc) {

        return vrepos.save(vc);

    }

```

```
public List<Vaccenter> getcent() {  
    return vrepos.findAll();  
}
```

```
public Vaccenter findbyid(int id) {  
    Vaccenter vcent = vrepos.findById(id).get();  
    return vcent;  
}
```

```
public Vaccenter update(int id) {  
    Vaccenter vcent = vrepos.findById(id).get();  
    return vcent ;  
}
```

```
public Vaccenter updatedet(Vaccenter vc) {  
    return vrepos.save(vc);  
}
```

```
public void deletacent(int id) {  
    vrepos.deleteById(id);  
}
```

```

// Vaccine and citizen jpl

public List<Citizens> findbyclinicname(String clinicname) {

    List<Citizens> citzn=citirepos.findbyclinicname(clinicname);

    return citzn;

}

public void deletebyname(String clinicname) {

    citirepos.deleteByName(clinicname);

}

public void updateByName(String newclinicname,String prevclinicname) {

    citirepos.updateByName(newclinicname, prevclinicname);

}

//Vacctiy

public List<City>getcity(){

    return crepos.findAll();

}

//Citizens

public Citizens insertciti(Citizens citi) {

    return citirepos.save(citi);

}

public List<Citizens> getciti(){

    return citirepos.findAll();

}

```

```
public Citizens getcitibyid(int id){  
  
Citizens citz = citirepos.findById(id).get();  
  
return citz;  
  
}
```

```
public Citizens updatecitz(Citizens citz) {  
  
    return citirepos.save(citz);  
  
}
```

```
public void deleteciti(int id) {  
  
    citirepos.deleteById(id);  
  
}  
  
}
```

Vrepclass.java

```
package com.vaccine;  
  
import org.springframework.data.jpa.repository.JpaRepository;  
  
public interface Vrepclass extends JpaRepository<Vaccenter,Integer> {  
  
  
  
}
```


Application.properties

```
#Jpa hibernate
spring.jpa.hibernate.ddl-auto=update
spring.jpa.show-sql=true
spring.jpa.hibernate.dialect=org.hibernate.dialect.MySQLDialect

#datasource
spring.datasource.driver-class-name=com.mysql.jdbc.Driver
spring.datasource.url=jdbc:mysql://localhost:3306/vaccine
spring.datasource.username=root
spring.datasource.password=Workfolder@55

#Suffix
spring.mvc.view.suffix=.jsp
```

Addciti.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>

<%@page import="com.vaccine.City"%>
<%@page import="com.vaccine.Vacccenter"%>
<%@page import="java.util.*"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Add Citizen</title>
    <style>
        /* Add your CSS styles here */
        body {
            font-family: Arial, sans-serif;
            background-color: #f2f2f2;
            margin: 0;
            padding: 20px;
        }

        form {
            background-color: #fff;
            padding: 20px;
            border-radius: 5px;
            box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
        }

        label {
            display: block;
            margin-bottom: 10px;
            font-weight: bold;
        }

        input[type="text"],
        select {
            width: 100%;
            padding: 8px;
            border: 1px solid #ccc;
```

```

        border-radius: 4px;
        box-sizing: border-box;
        margin-bottom: 15px;
    }

    input[type="submit"] {
        background-color: #4caf50;
        color: #fff;
        border: none;
        padding: 10px 20px;
        border-radius: 4px;
        cursor: pointer;
        font-size: 16px;
    }

    input[type="submit"]:hover {
        background-color: #45a049;
    }
</style>
</head>
<body>
    <%
        List<City>city = (List<City>)request.getAttribute("citi");
        List<Vaccenter>vcent = (List<Vaccenter>)request.getAttribute("centerlist");
    %>
    <h1> Add citizen</h1>

    <form action="addcitizen">
        <label for="cname">Name:</label>
        <input type="text" id="cname" name="cname">

        <label for="selectedCenter">Clinic Name:</label>
        <select name="selectedCenter" id="selectedCenter">
            <% for (Vaccenter cent: vcent) {
                String clinicname = cent.getName();
            %>
            <option value="<%= clinicname %>"><%= clinicname %></option>
            <% } %>
        </select>

        <label for="selectedCity">City:</label>
        <select name="selectedCity" id="selectedCity">
            <% for (City ci: city) {
                String cityname = ci.getCityname();
            %>
            <option value="<%= cityname %>"><%= cityname %></option>
            <% } %>
        </select>

        <input type="hidden" name="noofdose" value="0">
        <input type="submit" value="Submit">
    </form>
</body>
</html>

```

Addavc.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@page import="com.vaccine.City" %>
<%@page import="java.util.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Add Vaccination Center</title>
</head>
<style>
    body {
        font-family: Arial, sans-serif;
    }

    h1 {
        text-align: center;
    }

    form {
        width: 300px;
        margin: 0 auto;
        text-align: left;
        padding: 20px;
        border: 1px solid #ccc;
        border-radius: 5px;
        background-color: #f2f2f2;
    }

    label {
        font-weight: bold;
    }

    input[type="text"],
    select {
        width: 100%;
        padding: 10px;
        margin-bottom: 10px;
        border: 1px solid #ccc;
        border-radius: 3px;
    }

    input[type="submit"] {
        width: 100%;
        padding: 10px;
        background-color: #4CAF50;
        color: white;
        border: none;
        border-radius: 3px;
        cursor: pointer;
    }
</style>
<body>
<%
    List<City>city = (List<City>)request.getAttribute("citi");
```

```
%>
```

```
<h1>Add Center</h1>
<form action="addvac">
  <label for="cname">Center Name:</label>
  <input type="text" name="cname" id="cname">

  <label for="selectedCity">Vaccine City:</label>
  <select name="selectedCity" id="selectedCity">
    <% for (City ci : city) {
      String cityname = ci.getCityname();
      %>
      <option value="<%=cityname%>"><%=cityname%></option>
    <% } %>
  </select>

  <input type="submit" value="Submit">
</form>
</body>
</html>
```

Citidashboard.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@page import="com.vaccine.Citizens"%>
<%@page import="java.util.*"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Citizen Dashboard</title>
</head>
<style>
  table {
    width: 100%;
    border-collapse: collapse;
    margin-bottom: 20px;
  }

  th, td {
    padding: 10px;
    text-align: left;
    border-bottom: 1px solid #ddd;
  }

  th {
    background-color: #f2f2f2;
    font-weight: bold;
  }

  tr:hover {
    background-color: #f5f5f5;
  }

  .action-links a {
    margin-right: 5px;
    color: #333;
  }
```

```

        text-decoration: none;
    }

    .action-links a:hover {
        text-decoration: underline;
    }
</style>
<body>
    <%@ include file="header.jsp"%>
    <div style="float:right">
        <form action="getciticenter">
            <input type="submit" value="Add Citizens">
        </form>
    </div>
    <%
        List<Citizens>citi =(List<Citizens>) request.getAttribute("listctzn");
        int count =0;
    %>
<table>
    <tr>
        <th>ID</th>
        <th>Name</th>
        <th>City</th>
        <th>Center Name</th>
        <th>No of Dose</th>
        <th>Status</th>
        <th>Action</th>
    </tr>
    <% for (Citizens ctzn : citi) { %>
        <tr>
            <td><%= ctzn.getId() %></td>
            <td><%= ctzn.getName() %></td>
            <td><%= ctzn.getCity() %></td>
            <td><%= ctzn.getClinicname() %></td>
            <td><%= ctzn.getNoofdose() %></td>
            <td><%= ctzn.getStatus() %></td>
            <td class="action-links">
                <a href="viewciti?id=<%= ctzn.getId() %>">View</a>
                <a href="editcit?id=<%= ctzn.getId() %>">Edit</a>
                <a href="deleteciti?id=<%= ctzn.getId() %>">Delete</a>
            </td>
        </tr>
        <%count++;
    } %>
</table>
<div style="text-align: center;">Total <%= count %> Citizens Found</div>
</body>
</html>

```

Citiedit.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@page import="com.vaccine.Vaccenter"%>
<%@page import="com.vaccine.Citizens"%>
<%@page import="com.vaccine.City" %>
<%@page import="java.util.*"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Edit Citizen</title>
<style>
    body {
        font-family: Arial, sans-serif;
    }

    h1 {
        text-align: center;
    }

    form {
        width: 400px;
        margin: 0 auto;
        text-align: center;
        padding: 20px;
        border: 1px solid #ccc;
        border-radius: 5px;
        background-color: #f2f2f2;
    }

    label {
        display: block;
        margin-bottom: 10px;
        font-weight: bold;
        text-align: left;
    }

    input[type="text"],
    select {
        width: 100%;
        padding: 10px;
        margin-bottom: 10px;
        border: 1px solid #ccc;
        border-radius: 3px;
    }

    input[type="submit"] {
        width: 100%;
        padding: 10px;
        background-color: #4CAF50;
        color: white;
        border: none;
        border-radius: 3px;
        cursor: pointer;
    }
</style>
```

```

</head>
<body>
<%
    Citizens citi =(Citizens)request.getAttribute("citiinfo");
    List<City>city =(List<City>)request.getAttribute("citi");
    List<Vaccenter>vcent =(List<Vaccenter>)request.getAttribute("centerlist");
%>
<h1>Edit Citizen</h1>
<form action="updateciti">
    <input type="hidden" name="cid" value="<%= citi.getId() %>">

    <label for="cname">Name:</label>
    <input type="text" name="cname" value="<%= citi.getName() %>">

    <label for="cityname">Citizen City:</label>
    <select name="cityname">
        <option value="<%= citi.getCity() %>" selected><%= citi.getCity()
%></option>
        <% for (City ci : city) {
            String cityname = ci.getCityname();
            if (!cityname.equals(citi.getCity())) { %>
                <option value="<%= cityname %>"><%= cityname %></option>
            } %>
        } %>
    </select>

    <label for="dose">No of Doses:</label>
    <select name="dose">
        <option value="<%= citi.getNoofdose() %>" selected><%=
citi.getNoofdose() %></option>
        <option value="1">1</option>
        <option value="2">2</option>
    </select>

    <label for="centername">Vaccination Center:</label>
    <select name="centername">
        <option value="<%= citi.getClinicname() %>" selected><%=
citi.getClinicname() %></option>
        <% for (Vaccenter cent : vcent) {
            String clinicname = cent.getName();
            if (!clinicname.equals(citi.getClinicname())) { %>
                <option value="<%= clinicname %>"><%= clinicname %></option>
            } %>
        } %>
    </select>

    <input type="submit" value="Submit">
</form>
</body>
</html>

```

Dashboard.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <%@page import="com.vaccine.Vaccenter" %>
    <%@page import="java.util.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Vaccination Center Dashboard</title>
<style>
    table {
        width: 100%;
        border-collapse: collapse;
        margin-bottom: 20px;
    }

    th, td {
        padding: 10px;
        text-align: left;
        border-bottom: 1px solid #ddd;
    }

    th {
        background-color: #f2f2f2;
        font-weight: bold;
    }

    tr:hover {
        background-color: #f5f5f5;
    }

    .action-links a {
        margin-right: 5px;
        color: #333;
        text-decoration: none;
    }

    .action-links a:hover {
        text-decoration: underline;
    }
</style>
</head>
<body>
<%@ include file="header.jsp" %>
<div style="float:right;">
<form action="addvcent">
<input type="submit" value="Add New Center">
</form>
</div>

<%
    List<Vaccenter>vcent =(List<Vaccenter>)request.getAttribute("listvc");
    int count =0;
%>
```



```

<table>
  <tr>
    <th>ID</th>
    <th>Center Name</th>
    <th>Center City</th>
    <th>Action</th>
  </tr>
  <% for (Vacccenter vc : vcent) { %>
    <tr>
      <td><%= vc.getId() %></td>
      <td><%= vc.getName() %></td>
      <td><%= vc.getCity() %></td>
      <td class="action-links">
        <a href="viewvac?id=<%= vc.getId() %>&name=<%= vc.getName()
%>">View</a>
        <a href="editvac?id=<%= vc.getId() %>">Edit</a>
        <a href="deletevac?id=<%= vc.getId() %>&name=<%= vc.getName()
%>">Delete</a>
      </td>
    </tr>
  <%
    count++;
  } %>
</table>
<div style="text-align: center;">Total <%= count %> Centers Found</div>

</body>
</html>

```

editcent.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@page import="com.vaccine.Vacccenter" %>
<%@page import="com.vaccine.City" %>
<%@page import="java.util.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Edit Vaccination Center</title>
<style>
  form {
    width: 400px;
    margin: 0 auto;
    text-align: center;
    padding: 20px;
    border: 1px solid #ccc;
    border-radius: 5px;
    background-color: #f2f2f2;
  }

  label {
    display: block;
    margin-bottom: 10px;

```

```

        font-weight: bold;
        text-align: left;
    }

    input[type="text"],
    select {
        width: 100%;
        padding: 10px;
        margin-bottom: 10px;
        border: 1px solid #ccc;
        border-radius: 3px;
    }

    input[type="submit"] {
        width: 100%;
        padding: 10px;
        background-color: #4CAF50;
        color: white;
        border: none;
        border-radius: 3px;
        cursor: pointer;
    }
</style>
</head>
<body>
<%
    Vacccenter vcent =(Vacccenter) request.getAttribute("optlist");
    List<City>city =(List<City>) request.getAttribute("citi");
%>

<form action="update">
    <h2>Edit Vaccination Center</h2>
    <input type="hidden" value="<%= vcent.getId() %>" name="id">
    <input type="hidden" value="<%= vcent.getName() %>" name="prevname">

    <label for="cname">Center name:</label>
    <input type="text" value="<%= vcent.getName() %>" name="cname">

    <label for="cityname">Vaccine City:</label>
    <select name="cityname">
        <option value="<%= vcent.getCity() %>" selected><%= vcent.getCity()
%></option>
        <% for (City ci : city) {
            String cityname = ci.getCityname();
            if (!cityname.equals(vcent.getCity())) { %>
                <option value="<%= cityname %>"><%= cityname %></option>
            }
        } %>
    </select>

    <input type="submit" value="Submit">
</form>
</body>
</html>

```

header.jsp

```
<%@ 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>
<style>
    .navbar {
        display: flex;
        flex-direction: row;
        gap: 20px;
        justify-content: flex-start;
        align-items: center;
        background-color: #f2f2f2;
        padding: 10px;
        border-bottom: 1px solid #ccc;
        margin-bottom: 10px;
    }

    .navbar a {
        text-decoration: none;
        color: #333;
        padding: 10px;
        border-radius: 3px;
    }

    .navbar a:hover {
        background-color: #ddd;
    }

    .navbar .logout {
        margin-left: auto;
    }
</style>
</head>
<body>

<div class="navbar">
    <a href="citidash">citizen</a>
    <a href="dashboard">vaccine</a>

    <a href="logout" class="logout">Logout</a>

    <% String name = (String) session.getAttribute("UserName"); %>
    <span>Welcome, <%= name %></span>
</div>
</body>
</html>
```

Index.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
    <title>Login Page</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f4f4f4;
            padding: 20px;
        }

        .container {
            max-width: 400px;
            margin: 0 auto;
            background-color: #fff;
            padding: 20px;
            border: 1px solid #ddd;
            border-radius: 5px;
        }

        .container h2 {
            text-align: center;
        }

        .container input[type="text"],
        .container input[type="password"] {
            width: 95%;
            padding: 10px;
            margin-bottom: 10px;
            border: 1px solid #ddd;
            border-radius: 3px;
        }

        .container input[type="submit"],
        .container a {
            display: block;
            width: 95%;
            padding: 10px;
            text-align: center;
            background-color: #4CAF50;
            color: #fff;
            border: none;
            border-radius: 3px;
            cursor: pointer;
            text-decoration: none;
        }

        .container input[type="submit"]:hover,
        .container a:hover {
            background-color: #45a049;
        }
    </style>
</head>
```

```

<body>
  <div class="container">
    <h2>Login</h2>
    <form action="login">
      <div>
        <label for="uname">Username:</label>
        <input type="text" id="uname" name="uname">
      </div>
      <div>
        <label for="pass">Password:</label>
        <input type="password" id="pass" name="pass">
      </div>
      <input type="submit" value="Login">
    </form>
  </div>
  <div class="container">
    <a href="regpage.jsp">Register</a>
  </div>
</body>
</html>

</body>
</html>

```

Logout.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Login Page</title>
</head>
<body>
<h2>Logout Successfull</h2>
<%@ include file="index.jsp" %>
</body>
</html>

```

Regpage.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Registration Form</title>
</head>

<style>
  body {
    font-family: Arial, sans-serif;
    background-color: #f4f4f4;
    padding: 20px;
  }

```

```

.container {
    max-width: 400px;
    margin: 0 auto;
    background-color: #fff;
    padding: 20px;
    border: 1px solid #ddd;
    border-radius: 5px;
}

.container h2 {
    text-align: center;
}

.container input[type="text"],
.container input[type="email"],
.container input[type="password"] {
    width: 100%;
    padding: 10px;
    margin-bottom: 10px;
    border: 1px solid #ddd;
    border-radius: 3px;
}

.container input[type="submit"] {
    display: block;
    width: 100%;
    padding: 10px;
    text-align: center;
    background-color: #4CAF50;
    color: #fff;
    border: none;
    border-radius: 3px;
    cursor: pointer;
}

.container input[type="submit"]:hover {
    background-color: #45a049;
}
</style>
</head>
<body>
    <div class="container">
        <h2>Registration</h2>
        <form action="register">
            <label for="uname">Name:</label>
            <input type="text" id="uname" name="uname" required>
            <label for="uemail">Email:</label>
            <input type="email" id="uemail" name="uemail" required>
            <label for="upass">Password:</label>
            <input type="password" id="upass" name="upass" required>
            <input type="submit" value="Register">
        </form>
    </div>
</body>
</html>

```

RegSuccess.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Login Page</title>
</head>
<body>
<h2>Register Successful</h2>
<%@ include file="index.jsp" %>
</body>
</html>
```

Vcview.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@page import="com.vaccine.Vaccenter" %>
<%@page import="com.vaccine.Citizens" %>
<%@page import="java.util.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Vaccination Center View</title>
<style>
    table {
        border-collapse: collapse;
        width: 100%;
    }

    th, td {
        padding: 8px;
        text-align: left;
        border-bottom: 1px solid #ddd;
    }

    th {
        background-color: #f2f2f2;
    }

    tr:hover {
        background-color: #f5f5f5;
    }

    a {
        text-decoration: none;
        color: blue;
    }

    .name-heading {
        font-size: 20px;
        border-bottom: 1px solid #ccc;
        padding-bottom: 10px;
        margin-bottom: 10px;
    }
</style>
```

```

</head>
<body>
<%
    Vaccenter vc =(Vaccenter) request.getAttribute("vlist");
    List<Citizens> citi = (List<Citizens>) request.getAttribute("clist");
%>
<h2>Center Detail</h2>
<table>
    <tr>

        <td colspan="3">
            <h2 class="name-heading"><%= vc.getName() %></h2>
        </td>
    </tr>
    <tr>
        <td>Id:</td>
        <td colspan="2"><%= vc.getId() %></td>
    </tr>
    <tr>
        <td>City:</td>
        <td colspan="2"><%= vc.getCity() %></td>
    </tr>
</table>

    <h2>List of Citizens</h2>
<table>
    <tr>
        <th>Id</th>
        <th>Name</th>
        <th>Action</th>
    </tr>

    <% for (Citizens citz: citi) { %>
        <tr>
            <td><%= citz.getId() %></td>
            <td><%= citz.getName() %></td>
            <td><a href="viewciti?id=<%= citz.getId() %>">View</a></td>
        </tr>
    <% } %>
</table>
<a href="dashboard">Return to Dashboard</a>
</body>
</html>

```

Viewciti.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@page import="com.vaccine.Citizens"%>
<%@page import="java.util.*"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title> View Citizen</title>
</head>
<body>
<%

```



```
Citizens citi =(Citizens)request.getAttribute("citiinfo");
```

```
%>
<div style="border: 1px solid #ccc; padding: 10px; margin-bottom: 10px;">
  <h1 style="border-bottom: 1px solid #ccc;">Citizen Details</h1>
  <h2 style="border-bottom: 1px solid #ccc;"><%=citi.getName() %></h2>
  <p style="border-bottom: 1px solid #ccc; margin-bottom: 10px;">
    Id: <%= citi.getId() %>
  </p>
  <p style="border-bottom: 1px solid #ccc; margin-bottom: 10px;">
    City: <%= citi.getCity() %>
  </p>
  <p style="border-bottom: 1px solid #ccc; margin-bottom: 10px;">
    Number of Vaccines: <%= citi.getNoofdose() %>
  </p>
  <p style="border-bottom: 1px solid #ccc; margin-bottom: 10px;">
    Status: <%= citi.getStatus() %>
  </p>
  <p style="border-bottom: 1px solid #ccc; margin-bottom: 10px;">
    Allocation Vaccination Center: <%= citi.getClinicname() %>
  </p>
</div>
<a href="citidash">Return to Citizen List</a>

</body>
</html>
```