Phase\_End\_Project

VaccinationCenter

//application.properties

server.port=8086

#locate jsp files

spring.mvc.view.prefix=/WEB-INF/views/

spring.mvc.view.suffix=.jsp

#Database

spring.datasource.tomcat.driver-class-name=com.mysql.cj.jdbc.Driver

spring.datasource.url=jdbc:mysql://localhost:3306/coviddb

spring.datasource.username=root

spring.datasource.password=Deepraj@8529

spring.jpa.show-sql=true

spring.jpa.hibernate.ddl-auto=update

spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQL8Dialect

// VaccinationCentersApplication.java

package com.vaccination;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class VaccinationCentersApplication {

public static void main(String[] args) {

SpringApplication.run(VaccinationCentersApplication.class, args);

}

}

//controllers

// CitizensController.java

package com.vaccination.controllers;

import java.util.List;

import java.util.Optional;

import java.util.stream.Collectors;

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

import org.springframework.stereotype.Controller;

import org.springframework.ui.Model;

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

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

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

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

import com.vaccination.entities.Citizens;

import com.vaccination.entities.VaccinationCenters;

import com.vaccination.repositories.CitizensRepository;

import com.vaccination.repositories.VaccinationCentersRepo;

@Controller

public class CitizensController {

@Autowired

CitizensRepository citizensRepository;

@Autowired

VaccinationCentersRepo vcRepo;

@GetMapping("/displayCitizens")

public String displayCitizens(Model model) {

List<Citizens> citizensList = citizensRepository.findAll();

model.addAttribute("citizens", citizensList);

return "citizens";

}

@GetMapping("/addCitizen")

public String addCitizenForm(Model model) {

List<String> centerNames = vcRepo.findDistinctCenterNames();

List<String> cityNames = vcRepo.findDistinctCityNames();

model.addAttribute("centerNames", centerNames);

model.addAttribute("cityNames", cityNames);

model.addAttribute("citizen", new Citizens());

return "addCitizenForm";

}

@PostMapping("/addCitizen")

public String addCitizenSubmit(@ModelAttribute("citizen") Citizens citizen,

@RequestParam("vaccinationCenters.name") String centerName) {

// Retrieve the VaccinationCenters object based on the centerName

VaccinationCenters vaccinationCenter = vcRepo.findByName(centerName);

// Set the VaccinationCenters object for the citizen

citizen.setVaccinationCenters(vaccinationCenter);

// setting vaccination status

if (citizen.getNoOfDoses() == 2) {

citizen.setVaccinationStatus("Fully Vaccinated");

} else {

citizen.setVaccinationStatus("Not Vaccinated");

}

// Handle the form submission and save the citizen

citizensRepository.save(citizen);

return "redirect:/displayCitizens";

}

@GetMapping("/editCitizenform")

public String editCitizen(@RequestParam("id") Long id, Model model) {

Optional<Citizens> citizenRepo = citizensRepository.findById(id);

Citizens citizen = citizenRepo.get();

model.addAttribute("citizen", citizen);

List<String> cityNames = vcRepo.findDistinctCityNames();

model.addAttribute("citynames", cityNames);

List<String> centerNames = vcRepo.findDistinctCenterNames();

model.addAttribute("centerNames", centerNames);

return "editCitizen";

}

@PostMapping("/updateCitizen")

public String updateCitizen(@ModelAttribute("citizen") Citizens updatedCitizen, @RequestParam("id") Long citizenId,

@RequestParam("vaccinationCentersId") Long vaccinationCentersId) {

// Retrieve the existing citizen using the citizenId

Optional<Citizens> existingCitizenOptional = citizensRepository.findById(citizenId);

Citizens existingCitizen = existingCitizenOptional.orElseThrow();

// Retrieve the VaccinationCenters entity using the vaccinationCentersId

Optional<VaccinationCenters> vaccinationCenterOptional = vcRepo.findById(vaccinationCentersId);

VaccinationCenters vaccinationCenter = vaccinationCenterOptional.orElseThrow();

// Update the existing citizen with the new values

existingCitizen.setcName(updatedCitizen.getcName());

existingCitizen.setNoOfDoses(updatedCitizen.getNoOfDoses());

existingCitizen.getVaccinationCenters().setName(updatedCitizen.getVaccinationCenters().getName());

existingCitizen.getVaccinationCenters().setCity(updatedCitizen.getVaccinationCenters().getCity());

// setting vaccination status

if (existingCitizen.getNoOfDoses() == 2) {

existingCitizen.setVaccinationStatus("Fully Vaccinated");

} else {

existingCitizen.setVaccinationStatus("Not Vaccinated");

}

// Set the updated VaccinationCenters entity

existingCitizen.setVaccinationCenters(vaccinationCenter);

// Save the updated citizen

citizensRepository.save(existingCitizen);

return "redirect:/displayCitizens";

}

@GetMapping("/viewCitizenInfo")

public String viewCitizenInfo(@RequestParam("id") Long id, Model model) {

Optional<Citizens> citizenOpt = citizensRepository.findById(id);

Citizens citizen = citizenOpt.get();

model.addAttribute("citizen", citizen);

return "viewCitizen";

}

@GetMapping("/deleteCitizen")

public String deleteCitizen(@RequestParam("id") Long id) {

citizensRepository.deleteById(id);

return "redirect:/displayCitizens";

}

}

// LogoutController.java

package com.vaccination.controllers;

import org.springframework.stereotype.Controller;

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

@Controller

public class LogoutController {

@GetMapping("/logout")

public String logout() {

return "logout";

}

}

// RegisterUser.java

package com.vaccination.controllers;

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

import org.springframework.stereotype.Controller;

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

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

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

import com.vaccination.entities.UserCredentials;

import com.vaccination.repositories.UserRepository;

@Controller

public class RegisterUser {

@Autowired

UserRepository userRepository;

@GetMapping("/registerUser")

public String registerForm() {

return "registration";

}

@PostMapping("/registerUser")

public String registerUser(@RequestParam("name") String name,@RequestParam("email") String email,

@RequestParam("password") String password) {

UserCredentials user = new UserCredentials();

user.setName(name);

user.setEmail(email);

user.setPassword(password);

userRepository.save(user);

return "index";

}

}

// UserController.java

package com.vaccination.controllers;

import java.util.List;

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

import org.springframework.stereotype.Controller;

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

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

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

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

import com.vaccination.entities.UserCredentials;

import com.vaccination.repositories.UserRepository;

@Controller

public class UserController {

@Autowired

UserRepository userRepository;

@GetMapping("/")

public String loginform() {

return "index";

}

@PostMapping("/login")

public String loginCheck(@RequestParam("email") String email, @RequestParam("password") String password) {

boolean userFound = false;

if(email.isBlank()||email.isEmpty()||password.isBlank()||password.isEmpty()) {

return "index";

}else {

List<UserCredentials> users = userRepository.findAll();

for(UserCredentials user: users) {

if(email.contentEquals(user.getEmail()) && password.contentEquals(user.getPassword())) {

userFound = true;

return "redirect:/displayAllCenters";

}

}

}if(!userFound)return "registration";

return "in testing";

}

}

// VaccinationCentersController.java

package com.vaccination.controllers;

import java.util.List;

import java.util.Optional;

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

import org.springframework.stereotype.Controller;

import org.springframework.ui.Model;

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

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

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

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

import com.vaccination.entities.Citizens;

import com.vaccination.entities.VaccinationCenters;

import com.vaccination.repositories.CitizensRepository;

import com.vaccination.repositories.VaccinationCentersRepo;

@Controller

public class VaccinationCentersController {

@Autowired

VaccinationCentersRepo vcRepository;

@Autowired

CitizensRepository citizensReposotory;

@GetMapping("displayAllCenters")

public String displayVC(Model model) {

List<VaccinationCenters> vcs = vcRepository.findAll();

model.addAttribute("vcs", vcs);

return "vaccinationcenter";

}

@GetMapping("AddVCform")

public String addVCform() {

return "addVaccinationCenterForm";

}

@PostMapping("AddVC")

public String addVC(@RequestParam("centerCity") String centerCity, @RequestParam("centerName") String centerName) {

VaccinationCenters vc = new VaccinationCenters();

vc.setName(centerName);

vc.setCity(centerCity);

vcRepository.save(vc);

return "redirect:/displayAllCenters";

}

@GetMapping("editcenter")

public String editVCform(@RequestParam("id") Long id, Model model) {

Optional<VaccinationCenters> vaccinationCenter = vcRepository.findById(id);

VaccinationCenters vaccinationcenter = vaccinationCenter.get();

model.addAttribute("vc", vaccinationcenter);

return "editvaccinationcenter"; // go to edit-product.jsp

}

@PostMapping("/editcenter")

public String updateVaccinationCenter(@ModelAttribute("vc") VaccinationCenters updatedCenter, @RequestParam("id") Long id) {

Optional<VaccinationCenters> optionalCenter = vcRepository.findById(id);

if (optionalCenter.isPresent()) {

VaccinationCenters existingCenter = optionalCenter.get();

existingCenter.setName(updatedCenter.getName());

existingCenter.setCity(updatedCenter.getCity());

vcRepository.save(existingCenter);

}

return "redirect:/displayAllCenters";

}

@PostMapping("/deleteCenter")

public String deleteVaccinationCenter(@RequestParam("id") Long id) {

vcRepository.deleteById(id);

return "redirect:/displayAllCenters";

}

@GetMapping("/viewVaccinationCenterInfo")

public String viewVCInfo(@RequestParam("id") Long id, Model model) {

Optional<VaccinationCenters> vaccinationCenter = vcRepository.findById(id);

VaccinationCenters vaccinationcenter = vaccinationCenter.get();

List<Citizens> citizensList = citizensReposotory.findByVaccinationCentersId(id);

model.addAttribute("vaccinationcenter", vaccinationcenter);

model.addAttribute("citizensList", citizensList);

return "viewVaccinationCenter";

}

}

//Entities

// Citizens.java

package com.vaccination.entities;

import jakarta.persistence.Column;

import jakarta.persistence.Entity;

import jakarta.persistence.GeneratedValue;

import jakarta.persistence.GenerationType;

import jakarta.persistence.Id;

import jakarta.persistence.JoinColumn;

import jakarta.persistence.ManyToOne;

@Entity

public class Citizens {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long id;

@Column(name = "c\_name")

private String cName;

@Column(name = "no\_of\_doses")

private int noOfDoses=0;

@Column(name = "vaccination\_status")

private String vaccinationStatus;

@ManyToOne

@JoinColumn(name = "vaccination\_centers\_id")

private VaccinationCenters vaccinationCenters;

public Long getId() {

return id;

}

public void setId(Long id) {

this.id = id;

}

public String getcName() {

return cName;

}

public void setcName(String cName) {

this.cName = cName;

}

public int getNoOfDoses() {

return noOfDoses;

}

public void setNoOfDoses(int noOfDoses) {

this.noOfDoses = noOfDoses;

}

public String getVaccinationStatus() {

return vaccinationStatus;

}

public void setVaccinationStatus(String vaccinationStatus) {

this.vaccinationStatus = vaccinationStatus;

}

public VaccinationCenters getVaccinationCenters() {

return vaccinationCenters;

}

public void setVaccinationCenters(VaccinationCenters vaccinationCenters) {

this.vaccinationCenters = vaccinationCenters;

}

}

// UserCredentials.java

package com.vaccination.entities;

import jakarta.persistence.Entity;

import jakarta.persistence.GeneratedValue;

import jakarta.persistence.GenerationType;

import jakarta.persistence.Id;

@Entity

public class UserCredentials {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private long id;

private String name;

private String email;

private String password;

public long getId() {

return id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getEmail() {

return email;

}

public void setEmail(String email) {

this.email = email;

}

public String getPassword() {

return password;

}

public void setPassword(String password) {

this.password = password;

}

}

// VaccinationCenters.java

package com.vaccination.entities;

import java.util.List;

import jakarta.persistence.CascadeType;

import jakarta.persistence.Entity;

import jakarta.persistence.GeneratedValue;

import jakarta.persistence.GenerationType;

import jakarta.persistence.Id;

import jakarta.persistence.OneToMany;

@Entity

public class VaccinationCenters {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long id;

private String name;

private String city;

@OneToMany(mappedBy = "vaccinationCenters", cascade = CascadeType.ALL, orphanRemoval = true)

private List<Citizens> citizens;

public List<Citizens> getCitizens() {

return citizens;

}

public void setCitizens(List<Citizens> citizens) {

this.citizens = citizens;

}

public Long getId() {

return 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;

}

}

// CitizensRepository.java

package com.vaccination.repositories;

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

import org.springframework.stereotype.Repository;

import com.vaccination.entities.Citizens;

import java.util.List;

@Repository

public interface CitizensRepository extends JpaRepository<Citizens, Long>{

List<Citizens> findByVaccinationCentersId(Long vaccinationCentersId);

}

// UserRepository.java

package com.vaccination.repositories;

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

import org.springframework.stereotype.Repository;

import com.vaccination.entities.UserCredentials;

@Repository

public interface UserRepository extends JpaRepository<UserCredentials, Integer>{

}

// VaccinationCentersRepo.java

package com.vaccination.repositories;

import java.util.List;

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

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

import org.springframework.stereotype.Repository;

import com.vaccination.entities.VaccinationCenters;

@Repository

public interface VaccinationCentersRepo extends JpaRepository<VaccinationCenters, Long> {

@Query("SELECT DISTINCT vc.name FROM VaccinationCenters vc")

List<String> findDistinctCenterNames();

@Query("SELECT DISTINCT vc.city FROM VaccinationCenters vc")

List<String> findDistinctCityNames();

VaccinationCenters findByName(String name);

}

// addCitizenForm.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<%@ taglib prefix=*"form"* uri=*"http://www.springframework.org/tags/form"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Add Vaccination center</title>

</head>

<body>

<form:form action=*"/addCitizen"* method=*"post"* modelAttribute=*"citizen"*>

<table border=*"1"*>

<tr>

<th>Add new Citizen</th>

</tr>

<tr>

<td>Citizen Name <form:input path=*"cName"* /></td>

</tr>

<tr>

<td><form:label path=*"vaccinationCenters.name"*>Center Name:</form:label>

<form:select path=*"vaccinationCenters.name"*>

<form:options items=*"*${centerNames}*"* />

</form:select></td>

</tr>

<tr>

<td><form:label path=*"vaccinationCenters.city"*>Citizen City:</form:label>

<form:select path=*"vaccinationCenters.city"*>

<form:options items=*"*${cityNames}*"* />

</form:select></td>

</tr>

<tr>

<td><input type=*"submit"* value=*"Submit"*></td>

</tr>

</table>

</form:form>

</body>

</html>

// addVaccinationCenterForm.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Add vaccination center</title>

</head>

<body>

<form action=*"AddVC"* method=*"post"*>

<table border=*"1"* >

<tr>

<th>Vaccination center</th>

</tr>

<tr>

<td>Center Name <input type=*"text"* name=*"centerName"*></td>

</tr>

<tr>

<td>Center City <select name=*"centerCity"*>

<option value=*"Gurgaon"*>Gurgaon</option>

<option value=*"Delhi"*>Delhi</option>

<option value=*"Hyderabad"*>Hyderabad</option>

<option value=*"Mumbai"*>Mumbai</option>

<option value=*"Pune"*>Pune</option>

<option value=*"Bengaluru"*>Bengaluru</option>

</select>

</td>

</tr>

<tr><td><input type=*"submit"* value=*"submit"*></td></tr>

</table>

</form>

</body>

</html>

// citizens.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<%@ taglib prefix=*"c"* uri=*"http://java.sun.com/jsp/jstl/core"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Citizens</title>

</head>

<body>

<table border=*"1"*>

<tr>

<td><a href=*"displayCitizens"*>Citizens</a></td>

<td><a href=*"displayAllCenters"*>Vaccination Centers</a></td>

<td><a href=*"logout"*>Log Out</a></td>

<td>Welcome, admin</td>

</tr>

</table>

<h3>Citizens</h3>

<table border=*"1"*>

<tr>

<td>

<form action=*"addCitizen"* method=*"get"*>

<input type=*"submit"* value=*"Add New Citizen"*>

</form>

</td>

</tr>

<tr>

<th>ID</th>

<th>Name</th>

<th>City</th>

<th>No. of Doses</th>

<th>Vaccination Status</th>

<th>Vaccination Center</th>

<th>Action</th>

</tr>

<c:forEach var=*"citizen"* items=*"*${citizens}*"*>

<tr>

<td>${citizen.id}</td>

<td>${citizen.cName}</td>

<td>${citizen.vaccinationCenters.city}</td>

<td>${citizen.noOfDoses}</td>

<td>${citizen.vaccinationStatus}</td>

<td>${citizen.vaccinationCenters.name}</td>

<td class=*"buttons"*>

<form action=*"editCitizenform"* method=*"get"*>

<input type=*"hidden"* name=*"id"* value=*"*${citizen.id}*"*> <input

type=*"submit"* value=*"Edit"*>

</form>

<form action=*"viewCitizenInfo"* method=*"get"*>

<input type=*"hidden"* name=*"id"* value=*"*${citizen.id}*"*> <input

type=*"submit"* value=*"View"*>

</form>

<form action=*"deleteCitizen"* method=*"get"*>

<input type=*"hidden"* name=*"id"* value=*"*${citizen.id}*"*> <input

type=*"submit"* value=*"Delete"*>

</form>

</td>

</tr>

</c:forEach>

</table>

</body>

</html>

// editCitizen.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<%@ taglib prefix=*"form"* uri=*"http://www.springframework.org/tags/form"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Edit Citizen</title>

</head>

<body>

<form:form modelAttribute=*"citizen"* method=*"POST"*

action=*"updateCitizen?id=*${citizen.id}*"*>

<input type=*"hidden"* name=*"vaccinationCentersId"* value=*"*${citizen.vaccinationCenters.id}*"*>

<table border=*"1"*>

<tr>

<th><h2>Edit Citizen</h2></th>

</tr>

<tr>

<td>Citizen Name: <form:input path=*"cName"* /></td>

</tr>

<tr>

<td>Citizen City: <form:select path=*"vaccinationCenters.city"*>

<form:options items=*"*${citynames}*"* />

</form:select></td>

</tr>

<tr>

<td>No. of Doses: <form:select path=*"noOfDoses"*>

<form:option value=*"0"*>None</form:option>

<form:option value=*"1"*>1</form:option>

<form:option value=*"2"*>2</form:option>

</form:select></td>

</tr>

<tr>

<td>Vaccination Center: <form:select

path=*"vaccinationCenters.name"*>

<form:options items=*"*${centerNames}*"* />

</form:select></td>

</tr>

<tr>

<td colspan=*"1"*><input type=*"submit"* value=*"Update Citizen"* /></td>

</tr>

</table>

</form:form>

</body>

</html>

// editvaccinationcenter.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<%@ taglib prefix=*"form"* uri=*"http://www.springframework.org/tags/form"*%>

<%@ taglib prefix=*"c"* uri=*"http://java.sun.com/jsp/jstl/core"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Edit vaccination center</title>

</head>

<body>

<form:form action=*"editcenter"* method=*"post"* modelAttribute=*"vc"*>

<table border=*"1"*>

<tr>

<td><h3>Center Information</h3></td>

</tr>

<tr>

<th>Edit ${vc.name}</th>

</tr>

<tr>

<td><form:label path=*"name"*>Center Name: </form:label> <form:input

path=*"name"* /></td>

</tr>

<tr>

<td><form:label path=*"city"*>Center City:</form:label> <select

name=*"city"*>

<option value=*"Gurgaon"* label=*"Gurgaon"*

${vc.city == 'Gurgaon' ? 'selected' : ''}></option>

<option value=*"Delhi"* label=*"Delhi"*

${vc.city == 'Hyderabad' ? 'selected' : ''}></option>

<option value=*"Mumbai"* label=*"Mumbai"*

${vc.city == 'Mumbai' ? 'selected' : ''}></option>

<option value=*"Pune"* label=*"pune"*

${vc.city == 'Pune' ? 'selected' : ''}></option>

<option value=*"Bengaluru"* label=*"Bengaluru"*

${vc.city == 'Bengaluru' ? 'selected' : ''}></option>

</select></td>

</tr>

<tr>

<td><input type=*"submit"* value=*"Update"*></td>

</tr>

</table>

<input type=*"hidden"* name=*"id"* value=*"*${vc.id}*"* />

</form:form>

</body>

</html>

// index.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Vaccination center</title>

<style>

**body** {

display: *flex*;

justify-content: *center*;

align-items: *center*;

height: *100vh*;

}

*.loginContainer* {

text-align: *left*;

border: *2px solid #800080*;

padding: *10px*;

}

*.loginContainer* **form** {

display: *flex*;

flex-direction: *column*;

align-items: *flex-start*;

}

*.loginContainer* **input** {

margin: *8px*;

}

</style>

</head>

<body>

<div class=*"loginContainer"*>

<form action=*"login"* method=*"post"*>

<h2>Login</h2>

Username: <input type=*"email"* id=*"email"* name=*"email"*>

Password: <input type=*"password"* id=*"password"* name=*"password"*>

<input type=*"submit"* value=*"Login"*>

</form>

<form action=*"registerUser"*>

<input type=*"submit"* value=*"Registration"*>

</form>

</div>

</body>

</html>

// logout.jsp

<!DOCTYPE html>

<html>

<head>

<title>Logged Out Successfully</title>

</head>

<body>

<div class=*"container"*>

<h1>Logged Out Successfully</h1>

<p>Thank you for using our website.</p>

</div>

</body>

</html>

// registration.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Register</title>

</head>

<body>

<div class=*"registerContainer"*>

<h3>Admin Registration</h3>

<form action=*"registerUser"* method=*"post"*>

<table border=*"1"*>

<tr>

<th>Registration</th>

</tr>

<tr>

<td>Name: <input type=*"text"* name=*"name"* id=*"name"*></td>

</tr>

<tr>

<td>Email: <input type=*"email"* name=*"email"* id=*"email"*></td>

</tr>

<tr>

<td>Password: <input type=*"password"* name=*"password"*

id=*"password"*></td>

</tr>

</table>

<input type=*"submit"* value=*"Register"* class=*"registerButton"*>

</form>

</div>

</body>

</html>

// vaccinationcenter.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<%@ taglib prefix=*"c"* uri=*"http://java.sun.com/jsp/jstl/core"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Vaccination center</title>

</head>

<body>

<table border=*"1"*>

<tr>

<td><a href=*"displayCitizens"*>Citizens</a></td>

<td><a href=*"displayAllCenters"*>Vaccination Centers</a></td>

<td><a href=*"logout"*>Log Out</a></td>

<td>Welcome, admin</td>

</tr>

</table>

<h2>Centers</h2>

<table border=*"1"*>

<tr>

<td>

<form action=*"AddVCform"* method=*"get"*>

<input type=*"submit"* value=*"Add New Center"*>

</form>

</td>

</tr>

<tr>

<th>ID</th>

<th>NAME</th>

<th>CITY</th>

<th>Action</th>

</tr>

<c:forEach var=*"vc"* items=*"*${vcs}*"*>

<tr>

<td>${vc.id}</td>

<td>${vc.name}</td>

<td>${vc.city}</td>

<td class=*"buttons"*>

<form action=*"editcenter"* method=*"get"*>

<input type=*"hidden"* name=*"id"* value=*"*${vc.id}*"*> <input

type=*"submit"* value=*"Edit"*>

</form>

<form action=*"viewVaccinationCenterInfo"*>

<input type=*"hidden"* name=*"id"* value=*"*${vc.id}*"*>

<input type=*"submit"* value=*"View"*>

</form>

<form action=*"deleteCenter"* method=*"post"*>

<input type=*"hidden"* name=*"id"* value=*"*${vc.id}*"*> <input

type=*"submit"* value=*"Delete"*>

</form>

</td>

</tr>

</c:forEach>

</table>

</body>

</html>

// viewCitizen.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>View Citizen</title>

</head>

<body>

<h2>Citizen Information</h2>

<table border=*"1"* >

<tr>

<th colspan=*"2"*>${citizen.cName}</th>

</tr>

<tr>

<td>ID: </td><td>${citizen.id}</td>

</tr>

<tr>

<td>City: </td><td>${citizen.vaccinationCenters.city}</td>

</tr>

<tr>

<td>Number of Vaccines: </td><td>${citizen.noOfDoses}</td>

</tr>

<tr>

<td>Vaccination status: </td><td>${citizen.vaccinationStatus}</td>

</tr>

<tr>

<td>Allocated Vaccination Center: </td><td><a href=*"viewVaccinationCenterInfo?id=*${citizen.vaccinationCenters.id}*"*>${citizen.vaccinationCenters.name}</a></td>

</tr>

</table>

</body>

</html>

// viewVaccinationCenter.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<%@ taglib prefix=*"c"* uri=*"http://java.sun.com/jsp/jstl/core"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>View Vaccination center</title>

</head>

<body>

<div class=*"container"*>

<table border=*"1"* >

<tr>

<td><a href=*"displayCitizens"*>Citizens</a></td>

<td><a href=*"displayAllCenters"*>Vaccination Centers</a></td>

<td><a href=*"logout"*>Log Out</a></td>

<td>Welcome, admin</td>

</tr>

</table>

<h3>Center Information</h3>

<table border=*"1"* >

<tr>

<th colspan=*"2"*>Name</th>

</tr>

<tr>

<td colspan=*"2"*>${vaccinationcenter.name}</td>

</tr>

<tr>

<td>ID:</td>

<td>${vaccinationcenter.id}</td>

</tr>

<tr>

<td>City:</td>

<td>${vaccinationcenter.city}</td>

</tr>

</table>

<hr />

<h3>All Citizes Of this Center</h3>

<table border=*"1"* >

<tr>

<th>ID</th>

<th>Name</th>

<th>Action</th>

</tr>

<c:forEach var=*"cl"* items=*"*${citizensList}*"*>

<tr>

<td>${cl.id}</td>

<td>${cl.cName}</td>

<td><a href=*"viewCitizenInfo?id=*${cl.id}*"*>View</a></td>

</tr>

</c:forEach>

</table>

</div>

</body>

</html>