//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*SOURCE CODE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//From Local cmd

//For local testing on docker

C:\Users\ADMIN>docker pull mysql

C:\Users\ADMIN>docker run --name docker-sql -e MYSQL\_ROOT\_PASSWORD=password -e MYSQL\_DATABASE=db1 -e MYSQL\_USER=user -e MYSQL\_PASSWORD=password -d mysql:latest --default-authentication-plugin=mysql\_native\_password

//Creating spring-boot image

F:\GitHub - Akshay\Vaccination-Center-Application>docker build -t vaccination-center-docker .

[+] Building 0.9s (2/3) docker:default

[+] Building 2.3s (8/8) FINISHED docker:default

//Local Docker Testing

F:\GitHub - Akshay\Vaccination-Center-Application>docker run -p 8084:8084 -–name final-app --link docker-sql:mysql vaccination-center-docker

//Creating image

F:\GitHub - Akshay\Vaccination-Center-Application>docker tag vaccination-center-docker akshaytr19/vaccination-center-docker

F:\GitHub - Akshay\Vaccination-Center-Application>docker push akshaytr19/vaccination-center-docker

//=======================================On EC2 console =========================//

#yum install docker

#service docker start

#docker pull mysql

#docker pull akshaytr19/vaccination-center-docker

# docker run --name docker-sql -e MYSQL\_ROOT\_PASSWORD=password -e MYSQL\_DATABASE=db1 -e MYSQL\_USER=user -e MYSQL\_PASSWORD=password -d mysql:latest --default-authentication-plugin=mysql\_native\_password

#docker exec -it docker-sql mysql -u user -ppassword

mysql>USE db1;

mysql> CREATE TABLE city (id INT AUTO\_INCREMENT PRIMARY KEY, cityname VARCHAR(20));

mysql> INSERT into city (cityname) VALUES

("Bengaluru"),

("Chennai"),

("Hyderabad"),

("Kolkata"),

("Mumbai"),

("Pune"),

("New Delhi")

;

//=================================SPRING BOOT APPLICATION=======================//

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Vaccination Center Application\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

#=================================application.properties==========================#

#server

server.port=8084

#================================================================

#Jpa hibernate

spring.jpa.hibernate.ddl-auto=update

spring.jpa.hibernate.dialect=org.hibernate.dialect.MySQLDialect

spring.jpa.show-sql = true

#================================================================

#datasource

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

spring.datasource.url=jdbc:mysql://docker-sql:3306/db1

spring.datasource.username=user

spring.datasource.password=password

#================================================================

#prefix-suffix-view

spring.mvc.view.suffix=.jsp

spring.mvc.view.prefix=/pages/

#================================================================

//=========================Dockerfile================================//

FROM openjdk:8

EXPOSE 8084

ADD target/Vaccination-Center-0.0.1-SNAPSHOT.war Vaccination-Center-0.0.1-SNAPSHOT.war

ENTRYPOINT [ "java","-jar","Vaccination-Center-0.0.1-SNAPSHOT.war" ]

//=============================================================================//

//Package: com.vaccination

// com.vaccination.VaccinationCenterApplication

package com.vaccination;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class VaccinationCenterApplication {

public static void main(String[] args) {

SpringApplication.run(VaccinationCenterApplication.class, args);

}

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

// com.vaccination.ServletInitializer

package com.vaccination;

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(VaccinationCenterApplication.class);

}

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//Package: com.vaccination.entity

//com.vaccination.entity.AdminUser

package com.vaccination.entity;

import javax.persistence.Entity;

import javax.persistence.Id;

import lombok.AllArgsConstructor;

import lombok.Data;

import lombok.NoArgsConstructor;

@Entity

@Data

@NoArgsConstructor

@AllArgsConstructor

public class AdminUser {

@Id

private String username;

private String password;

private String email;

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//com.vaccination.entity.Citizen

package com.vaccination.entity;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.JoinColumn;

import javax.persistence.ManyToOne;

import lombok.AllArgsConstructor;

import lombok.Data;

import lombok.NoArgsConstructor;

@Entity

@Data

@NoArgsConstructor

@AllArgsConstructor

public class Citizen {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private int id;

private String citizenName;

private int doses;

@ManyToOne

@JoinColumn(name = "center\_id")

private VaccinationCenter center;

// Many to One relationship is used as more than 1 citizen can be associated

// with a single Center

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//com.vaccination.entity.VaccinationCenter

package com.vaccination.entity;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import lombok.AllArgsConstructor;

import lombok.Data;

import lombok.NoArgsConstructor;

@Entity

@Data

@NoArgsConstructor

@AllArgsConstructor

public class VaccinationCenter {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private int id;

private String centerName;

private String city;

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//com.vaccination.entity.City

package com.vaccination.entity;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import lombok.Data;

@Data

@Entity

public class City {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private int id;

private String cityname;

}

/\* The City Names are inserted directly from MySQL by the admin if another city needs to be added.

\*/

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//Package: com.vaccination.repo

//com.vaccination.repo.AdminUserRepository

package com.vaccination.repo;

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

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

import com.vaccination.entity.AdminUser;

public interface AdminUserRepository extends JpaRepository<AdminUser, String> {

@Query("SELECT au FROM AdminUser au WHERE au.username=?1 AND au.password=?2")

public AdminUser findByUserNamePwd(String username, String password);

@Query("SELECT au FROM AdminUser au WHERE au.email=?1")

public AdminUser findByEmail(String email);

@Query("SELECT au FROM AdminUser au WHERE au.username=?1")

public AdminUser findByUsername(String username);

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//com.vaccination.repo.CitizenRepository

package com.vaccination.repo;

import java.util.List;

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

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

import com.vaccination.entity.Citizen;

public interface CitizenRepository extends JpaRepository<Citizen, Integer> {

@Query("SELECT citizen FROM Citizen citizen JOIN citizen.center citizen\_center WHERE citizen\_center.id = ?1")

public List<Citizen> getByCenterId(int centerId);

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//com.vaccination.repo.VaccinationCenterRepository

package com.vaccination.repo;

import java.util.List;

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

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

import com.vaccination.entity.VaccinationCenter;

public interface VaccinationCenterRepository extends JpaRepository<VaccinationCenter, Integer> {

@Query("SELECT center FROM VaccinationCenter center WHERE center.id=?1")

public VaccinationCenter getCenterById(int id);

@Query("SELECT center FROM VaccinationCenter center WHERE center.city=?1")

public List<VaccinationCenter> getCenterByCity(String cityName);

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//com.vaccination.repo.CityRepository

package com.vaccination.repo;

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

import com.vaccination.entity.City;

public interface CityRepository extends JpaRepository<City, Integer> {

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//Package: com.vaccination.service

//com.vaccination.service.AdminUserService

package com.vaccination.service;

import com.vaccination.entity.AdminUser;

public interface AdminUserService {

public AdminUser getByUserNamePwd(String username, String password);

public String registerUser(AdminUser user);

public AdminUser getByUserName(String username);

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//com.vaccination.service.CitizenService

package com.vaccination.service;

import java.util.List;

import com.vaccination.entity.Citizen;

public interface CitizenService {

public List<Citizen> getAllCitizens();

public List<Citizen> getCitizenByCenterId(int centerId);

public void delCitizenByCenterId(int centerId);

public Citizen addCitizen(Citizen citizen);

public Citizen getCitizenById(int citizenId);

public Citizen updateCitizen(Citizen citizen);

public void delCitizenById(int citizenId);

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//com.vaccination.service.VaccinationCenterService

package com.vaccination.service;

import java.util.List;

import com.vaccination.entity.VaccinationCenter;

public interface VaccinationCenterService {

public List<VaccinationCenter> getAllCenters();

public VaccinationCenter getCenterById(int id);

public VaccinationCenter updateCenter(VaccinationCenter center);

public VaccinationCenter addCenter(VaccinationCenter center);

public void delCenter(int id);

public List<VaccinationCenter> getCentersByCity(String cityName);

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//com.vaccination.service.CityService

package com.vaccination.service;

import java.util.List;

import com.vaccination.entity.City;

public interface CityService {

public List<City> getAllCities();

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//Package: com.vaccination.service\_impl

//com.vaccination.service\_impl.AdminUserServiceImpl

package com.vaccination.service\_impl;

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

import org.springframework.stereotype.Service;

import com.vaccination.entity.AdminUser;

import com.vaccination.repo.AdminUserRepository;

import com.vaccination.service.AdminUserService;

@Service

public class AdminUserServiceImpl implements AdminUserService {

@Autowired

AdminUserRepository adminRepo;

public AdminUser getByUserNamePwd(String username, String password) {

return (adminRepo.findByUserNamePwd(username, password));

}

public String registerUser(AdminUser user) {

AdminUser checkUser1 = adminRepo.findByUsername(user.getUsername());

if (checkUser1 != null)

return "Duplicate username";

AdminUser checkUser2 = adminRepo.findByEmail(user.getEmail());

if (checkUser2 != null)

return "Duplicate email";

adminRepo.save(user);

return "User added successfully";

}

public AdminUser getByUserName(String username) {

return adminRepo.findByUsername(username);

}

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//com.vaccination.service\_impl.CitizenServiceImpl

package com.vaccination.service\_impl;

import java.util.List;

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

import org.springframework.stereotype.Service;

import com.vaccination.entity.Citizen;

import com.vaccination.repo.CitizenRepository;

import com.vaccination.service.CitizenService;

@Service

public class CitizenServiceImpl implements CitizenService {

@Autowired

CitizenRepository citizenRepo;

public List<Citizen> getAllCitizens() {

return citizenRepo.findAll();

}

public List<Citizen> getCitizenByCenterId(int centerId) {

return citizenRepo.getByCenterId(centerId);

}

public void delCitizenByCenterId(int centerId) {

citizenRepo.deleteAll(citizenRepo.getByCenterId(centerId));

}

public Citizen addCitizen(Citizen citizen) {

return citizenRepo.save(citizen);

}

public Citizen getCitizenById(int citizenId) {

return citizenRepo.findById(citizenId).orElse(null);

}

public Citizen updateCitizen(Citizen citizen) {

return citizenRepo.save(citizen);

}

public void delCitizenById(int citizenId) {

citizenRepo.deleteById(citizenId);

}

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//com.vaccination.service\_impl.VaccinationCenterServiceImpl

package com.vaccination.service\_impl;

import java.util.List;

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

import org.springframework.stereotype.Service;

import com.vaccination.entity.VaccinationCenter;

import com.vaccination.repo.VaccinationCenterRepository;

import com.vaccination.service.VaccinationCenterService;

@Service

public class VaccinationCenterServiceImpl implements VaccinationCenterService {

@Autowired

VaccinationCenterRepository centerRepo;

public List<VaccinationCenter> getAllCenters() {

return centerRepo.findAll();

}

public VaccinationCenter getCenterById(int id) {

return centerRepo.getCenterById(id);

}

public VaccinationCenter updateCenter(VaccinationCenter center) {

return centerRepo.save(center);

}

public VaccinationCenter addCenter(VaccinationCenter center) {

return centerRepo.save(center);

}

public void delCenter(int id) {

centerRepo.deleteById(id);

}

public List<VaccinationCenter> getCentersByCity(String cityName) {

return centerRepo.getCenterByCity(cityName);

}

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//com.vaccination.service\_impl.CityServiceImpl

package com.vaccination.service\_impl;

import java.util.List;

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

import org.springframework.stereotype.Service;

import com.vaccination.entity.City;

import com.vaccination.repo.CityRepository;

import com.vaccination.service.CityService;

@Service

public class CityServiceImpl implements CityService {

@Autowired

CityRepository cityRepo;

public List<City> getAllCities() {

return cityRepo.findAll();

}

}

//The City Names are inserted directly from MySQL by the admin if another city needs to be added.

//So there is no method created to insert new city names from the Application

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//Package: com.vaccination.controller

//com.vaccination.controller.AdminController

package com.vaccination.controller;

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.PostMapping;

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

import org.springframework.web.servlet.ModelAndView;

import com.vaccination.entity.AdminUser;

import com.vaccination.service.AdminUserService;

@Controller

public class AdminController {

@Autowired

AdminUserService adminService;

@RequestMapping("/")

public ModelAndView home(HttpServletRequest request, HttpServletResponse response) {

ModelAndView modelAndView = new ModelAndView();

modelAndView.setViewName("/home");

response.setStatus(response.getStatus());

return modelAndView;

}

@PostMapping("/login")

public ModelAndView adminLogin(HttpServletRequest request, HttpServletResponse response) {

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

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

ModelAndView modelAndView = new ModelAndView();

AdminUser user1 = adminService.getByUserName(username);

if (user1 == null) {

modelAndView.setViewName("/loginUser404");

return modelAndView;

}

AdminUser user2 = adminService.getByUserNamePwd(username, password);

if (user2 == null) {

modelAndView.setViewName("/loginError");

} else {

HttpSession session = request.getSession();

session.setAttribute("username", username);

modelAndView.addObject("user", user2);

modelAndView.setViewName("adminDashboard");

}

return modelAndView;

}

@PostMapping("/register")

public ModelAndView adminRegister(HttpServletRequest request, HttpServletResponse response) {

Logger log = Logger.getAnonymousLogger();

AdminUser user = new AdminUser();

log.info("inside reg - method");

user.setUsername(request.getParameter("username"));

user.setEmail(request.getParameter("email"));

user.setPassword(request.getParameter("password"));

log.info(request.getParameter("username") + request.getParameter("email") + request.getParameter("password"));

ModelAndView modelAndView = new ModelAndView();

String check = adminService.registerUser(user);

log.info(check);

if (check.equals("Duplicate username") || check.equals("Duplicate email")) {

modelAndView.addObject("errorMsg", check);

modelAndView.setViewName("/registerError");

} else {

modelAndView.setViewName("/registerSuccess");

}

return modelAndView;

}

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//com.vaccination.controller.CitizenController

package com.vaccination.controller;

import java.util.List;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

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

import org.springframework.stereotype.Controller;

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

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

import org.springframework.web.servlet.ModelAndView;

import com.vaccination.entity.Citizen;

import com.vaccination.entity.City;

import com.vaccination.entity.VaccinationCenter;

import com.vaccination.service.CitizenService;

import com.vaccination.service.CityService;

import com.vaccination.service.VaccinationCenterService;

@Controller

@RequestMapping("/citizens")

public class CitizenController {

@Autowired

VaccinationCenterService centerService;

@Autowired

CitizenService citizenService;

@Autowired

CityService cityService;

@RequestMapping("/")

public ModelAndView getCitizens(HttpServletRequest request, HttpServletResponse response) {

ModelAndView modelAndView = new ModelAndView();

modelAndView.setViewName("citizens");

List<Citizen> citizens = citizenService.getAllCitizens();

modelAndView.addObject("citizens", citizens);

return modelAndView;

}

@RequestMapping("/add")

public ModelAndView addCitizen(HttpServletRequest request, HttpServletResponse response) {

ModelAndView modelAndView = new ModelAndView();

modelAndView.setViewName("addCitizen");

List<City> cities = cityService.getAllCities();

modelAndView.addObject("cities", cities);

return modelAndView;

}

@PostMapping("/add-getcenter")

public ModelAndView intermed(HttpServletRequest request, HttpServletResponse response) {

ModelAndView modelAndView = new ModelAndView();

modelAndView.setViewName("add-Citizen");

List<City> cities = cityService.getAllCities();

modelAndView.addObject("citizenName", request.getParameter("citizenName"));

modelAndView.addObject("cities", cities);

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

modelAndView.addObject("selectedCity", selectedCity);

List<VaccinationCenter> centers = centerService.getCentersByCity(selectedCity);

modelAndView.addObject("centers", centers);

modelAndView.addObject("doses", request.getParameter("doses"));

return modelAndView;

}

@PostMapping("/addCitizen")

public ModelAndView addCenter(HttpServletRequest request, HttpServletResponse response) {

ModelAndView modelAndView = new ModelAndView();

modelAndView.setViewName("redirect:/citizens/");

Citizen citizen = new Citizen();

citizen.setCitizenName(request.getParameter("citizenName"));

citizen.setDoses(Integer.parseInt(request.getParameter("doses")));

citizen.setCenter(centerService.getCenterById(Integer.parseInt(request.getParameter("center"))));

if (citizenService.addCitizen(citizen) != null)

return modelAndView;

else {

modelAndView.setViewName("errorOper");

return modelAndView;

}

}

@RequestMapping("/view")

public ModelAndView viewCitizen(HttpServletRequest request, HttpServletResponse response) {

ModelAndView modelAndView = new ModelAndView();

modelAndView.setViewName("viewCitizen");

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

Citizen citizen = citizenService.getCitizenById(citizenId);

modelAndView.addObject("citizen", citizen);

return modelAndView;

}

@RequestMapping("/edit")

public ModelAndView getForEdit(HttpServletRequest request, HttpServletResponse response) {

ModelAndView modelAndView = new ModelAndView();

modelAndView.setViewName("/editCitizen");

Citizen citizen = citizenService.getCitizenById(Integer.parseInt(request.getParameter("id")));

List<City> cities = cityService.getAllCities();

modelAndView.addObject("cities", cities);

modelAndView.addObject("citizen", citizen);

return modelAndView;

}

@PostMapping("/edit-getcenter")

public ModelAndView intermedEdit(HttpServletRequest request, HttpServletResponse response) {

ModelAndView modelAndView = new ModelAndView();

modelAndView.setViewName("/edit-Citizen");

List<City> cities = cityService.getAllCities();

modelAndView.addObject("citizenId", Integer.parseInt(request.getParameter("id")));

modelAndView.addObject("citizenName", request.getParameter("citizenName"));

modelAndView.addObject("cities", cities);

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

modelAndView.addObject("selectedCity", selectedCity);

List<VaccinationCenter> centers = centerService.getCentersByCity(selectedCity);

modelAndView.addObject("centers", centers);

modelAndView.addObject("doses", request.getParameter("doses"));

return modelAndView;

}

@PostMapping("/editCitizen")

public ModelAndView editCitizen(HttpServletRequest request, HttpServletResponse response) {

ModelAndView modelAndView = new ModelAndView();

modelAndView.setViewName("redirect:/citizens/");

Citizen citizen = new Citizen();

citizen.setId(Integer.parseInt(request.getParameter("id")));

citizen.setCitizenName(request.getParameter("citizenName"));

citizen.setDoses(Integer.parseInt(request.getParameter("doses")));

citizen.setCenter(centerService.getCenterById(Integer.parseInt(request.getParameter("center"))));

if (citizenService.updateCitizen(citizen) != null)

return modelAndView;

else {

modelAndView.setViewName("errorOper");

return modelAndView;

}

}

@RequestMapping("delete")

public ModelAndView delCitizen(HttpServletRequest request, HttpServletResponse response) {

ModelAndView modelAndView = new ModelAndView();

modelAndView.setViewName("redirect:/citizens/");

citizenService.delCitizenById(Integer.parseInt(request.getParameter("id")));

return modelAndView;

}

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

//com.vaccination.controller.VaccinationCenterController

package com.vaccination.controller;

import java.util.List;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

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

import org.springframework.stereotype.Controller;

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

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

import org.springframework.web.servlet.ModelAndView;

import com.vaccination.entity.Citizen;

import com.vaccination.entity.City;

import com.vaccination.entity.VaccinationCenter;

import com.vaccination.service.CitizenService;

import com.vaccination.service.CityService;

import com.vaccination.service.VaccinationCenterService;

@Controller

@RequestMapping("/vaccinationcenter")

public class VaccinationCenterController {

@Autowired

VaccinationCenterService centerService;

@Autowired

CitizenService citizenService;

@Autowired

CityService cityService;

@RequestMapping("/")

public ModelAndView getVaccCenters(HttpServletRequest request, HttpServletResponse response) {

ModelAndView modelAndView = new ModelAndView();

modelAndView.setViewName("/vaccinationCenters");

List<VaccinationCenter> centers = centerService.getAllCenters();

modelAndView.addObject("centers", centers);

return modelAndView;

}

@RequestMapping("/add")

public ModelAndView sendCity(HttpServletRequest request, HttpServletResponse response) {

ModelAndView modelAndView = new ModelAndView();

modelAndView.setViewName("/addCenter");

List<City> cities = cityService.getAllCities();

modelAndView.addObject("cities", cities);

return modelAndView;

}

@PostMapping("/addCenter")

public ModelAndView addCenter(HttpServletRequest request, HttpServletResponse response) {

ModelAndView modelAndView = new ModelAndView();

modelAndView.setViewName("redirect:/vaccinationcenter/");

VaccinationCenter center = new VaccinationCenter();

center.setCenterName(request.getParameter("center"));

center.setCity(request.getParameter("city"));

if (centerService.addCenter(center) != null)

return modelAndView;

else {

modelAndView.setViewName("errorOper");

return modelAndView;

}

}

@RequestMapping("/view")

public ModelAndView viewCenter(HttpServletRequest request, HttpServletResponse response) {

ModelAndView modelAndView = new ModelAndView();

modelAndView.setViewName("viewCenter");

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

VaccinationCenter center = centerService.getCenterById(centerId);

List<Citizen> citizens = citizenService.getCitizenByCenterId(centerId);

modelAndView.addObject("citizens", citizens);

modelAndView.addObject("center", center);

return modelAndView;

}

@RequestMapping("/edit")

public ModelAndView getForEdit(HttpServletRequest request, HttpServletResponse response) {

ModelAndView modelAndView = new ModelAndView();

modelAndView.setViewName("/editCenter");

VaccinationCenter center = centerService.getCenterById(Integer.parseInt(request.getParameter("id")));

List<City> cities = cityService.getAllCities();

modelAndView.addObject("cities", cities);

modelAndView.addObject("center", center);

return modelAndView;

}

@RequestMapping("/editCenter")

public ModelAndView editCenter(HttpServletRequest request, HttpServletResponse response) {

ModelAndView modelAndView = new ModelAndView();

modelAndView.setViewName("redirect:/vaccinationcenter/");

VaccinationCenter center = new VaccinationCenter();

center.setId(Integer.parseInt(request.getParameter("id")));

center.setCenterName(request.getParameter("center"));

center.setCity(request.getParameter("city"));

center = centerService.updateCenter(center);

if (center != null)

return modelAndView;

else {

modelAndView.setViewName("errorOper");

return modelAndView;

}

}

@RequestMapping("/delete")

public ModelAndView delCenter(HttpServletRequest request, HttpServletResponse response) {

ModelAndView modelAndView = new ModelAndView();

modelAndView.setViewName("redirect:/vaccinationcenter/");

citizenService.delCitizenByCenterId(Integer.parseInt(request.getParameter("id")));

centerService.delCenter(Integer.parseInt(request.getParameter("id")));

return modelAndView;

}

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

<!-- ================JSPs – in webapp/pages ======================= -->

<!-- home.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>Home</title>

<style>

.menu-box {

border: 1px solid #ccc;

padding: 10px;

width: 300px;

margin: 0 auto;

text-align: center;

}

.menu-box a {

display: block;

margin-bottom: 10px;

}

</style>

</head>

<body>

<div class="menu-box">

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

<table>

<tr>

<td><b>Admin Login</b></td>

<td></td>

</tr>

<tr>

<td>Username</td>

<td><input type="text" name="username" required></td>

</tr>

<tr>

<td>Password</td>

<td><input type="password" name="password" required></td>

</tr>

<tr>

<td><input type="submit" value="Login"></td>

</tr>

</table>

</form>

<br> <b>New User? Register here </b><br> <a

href="/pages/register.jsp"><button>Registration</button></a>

</div>

</body>

</html>

<!-- ========================================================== -->

<!-- register.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>Admin Registration</title>

</head>

<style>

table {

width: 100%;

border-collapse: collapse;

}

th, td {

padding: 8px;

border: 1px solid #ccc;

}

th {

background-color: #f2f2f2;

}

.menu-box {

border: 1px solid #ccc;

padding: 10px;

width: 300px;

margin: 0 auto;

text-align: center;

}

.menu-box a {

display: block;

margin-bottom: 10px;

}

</style>

<body>

<h1>Admin Registration</h1>

<div class="menu-box">

<form action="/register" method="post">

<table>

<tr>

<td><h3 align="center">Registration</h3></td>

</tr>

<tr>

<td>

<table>

<tr>

<td>Username</td>

<td><input type="text" name="username" required></td>

</tr>

<tr>

<td>Email</td>

<td><input type="email" name="email" required></td>

</tr>

<tr>

<td>Password</td>

<td><input type="password" name="password" required></td>

</tr>

</table>

</td>

</tr>

<tr>

<td><input type="submit" value="Register"></td>

</tr>

</table>

</form>

</div>

</body>

</html>

<!-- ========================================================== -->

<!-- registerError.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 Error</title>

</head>

<body>

<h1 align="center">

<%

if (request.getAttribute("errorMsg").equals("Duplicate username")){

%>

Username Already exists! Please use a different Username.

<%}

if (request.getAttribute("errorMsg").equals("Duplicate email")){

%>

Email ID Already exists! Please use a different email ID.

<%}%>

</h1>

<%@include file="/pages/register.jsp"%>

</body>

</html>

<!-- ========================================================== -->

<!-- registerSuccess.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>Successfully Registered</title>

</head>

<body>

<h1 align="center">Account created Successfully!</h1>

<%@include file="/pages/home.jsp" %>>

</body>

</html>

<!-- ========================================================== -->

<!-- loginError.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 Error</title>

</head>

<body>

<h1 align="center"> Invalid Credentials! </h1>

<h3 align="center"> Please Try Again</h3>

<%@include file="/pages/home.jsp"%>

</body>

</html>

<!-- ========================================================== -->

<!-- loginUser404.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>404 - Username does not exist</title>

</head>

<body>

<h1 align="center"> Username does not exist! </h1>

<h3 align="center"> Please Check the username</h3>

<%@include file="/pages/home.jsp"%>

</body>

</html>

<!-- ========================================================== -->

<!-- security.jsp -->

<%

response.setHeader("Cache-Control", "no-cache, no-store, must-revalidate");

response.setHeader("Pragma", "no-cache");

response.setDateHeader("Expires", 0);

%>

<%

if (session.getAttribute("username") == null) {

response.sendRedirect("/pages/home.jsp");

}

%>

<!-- ========================================================== -->

<!-- welcomeHeader.jsp -->

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

pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<style>

table {

width: 100%;

border-collapse: collapse;

}

th, td {

height: 20px;

width: 25%;

padding: 8px;

border: 2px solid #ccc;

}

.center-text {

width: 100%;

margin: 0 auto;

text-align: center;

}

</style>

</head>

<body>

<table>

<tr>

<td><a href="/citizens/"> Citizens</a></td>

<td><a href="/vaccinationcenter/" >Vaccination Centers</a></td>

<td><a href="/pages/logout.jsp">Logout</a></td>

<td><p class="center-text"><b >Welcome, <%=session.getAttribute("username")%></b></p></td>

</tr>

</table>

</body>

</html>

<!-- ========================================================== -->

<!-- adminDashboard.jsp -->

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

pageEncoding="ISO-8859-1"%>

<%@include file="welcomeHeader.jsp"%>

<%@include file="security.jsp"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Admin Dashboard</title>

<style>

.menu-box {

border: 1px solid #ccc;

padding: 10px;

width: 500px;

margin: 0 auto;

text-align: center;

}

</style>

</head>

<body>

<br><br>

<div class="menu-box">

<h2>Welcome to Vaccination Center Application</h2>

<br><br>

<h3>Select any of the above options to perform operations</h3>

</div>

</body>

</html>

<!-- ========================================================== -->

<!-- vaccinationCenters.jsp -->

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

pageEncoding="ISO-8859-1"%>

<%@include file="welcomeHeader.jsp"%>

<%@include file="security.jsp"%>

<%@page import="java.util.\*" %>

<%@page import="com.vaccination.entity.\*" %>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Vaccination Centers</title>

<style>

table {

width: 100%;

border-collapse: collapse;

text-align: center;

}

th, td {

border: 1px solid black;

}

th {

background-color: #f2f2f2;

height:40px;

}

.add-center-btn {

float: right;

}

.button-width-2 {

width: 30%;

margin: 0 auto;

text-align: center;

}

</style>

</head>

<body >

<br><br>

<h2 align="left">Centers</h2>

<%

List<VaccinationCenter> centers = (List<VaccinationCenter>)request.getAttribute("centers");

int count = 0;

%>

<table>

<tr>

<td colspan="4"><a href="add" class="add-center-btn"><button>Add New Center</button></a></td>

</tr>

<tr>

<th>ID</th>

<th>Name</th>

<th>City</th>

<th>Action</th>

</tr>

<%

for (VaccinationCenter center : centers) {

%>

<tr>

<td><%=center.getId()%></td>

<td><%=center.getCenterName()%></td>

<td><%=center.getCity()%></td>

<td>

<a href="view?id=<%=center.getId() %>" ><button class="button-width-2">View</button></a>

<a href="edit?id=<%=center.getId() %>"><button class="button-width-2">Edit</button></a>

<a href="delete?id=<%=center.getId() %>"><button class="button-width-2">Delete</button></a>

</td>

</tr>

<%

count++;

}

%>

<tr>

<td colspan="4">Total <%=count %> Vaccination Centers found.</td>

</tr>

</table>

</body>

</html>

<!-- ========================================================== -->

<!-- addCenter.jsp -->

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

pageEncoding="ISO-8859-1"%>

<%@page import="com.vaccination.entity.\*"%>

<%@page import="java.util.\*"%>

<%@include file="welcomeHeader.jsp"%>

<%@include file="security.jsp"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Add New Center</title>

<style>

.menu-box {

border: 1px solid #ccc;

padding: 10px;

width: 500px;

margin: 0 auto;

text-align: center;

}

.menu-box a {

display: block;

margin-bottom: 10px;

}

table {

width: 100%;

border-collapse: collapse;

}

th, td {

padding: 8px;

border: 1px solid #ccc;

}

th {

background-color: #f2f2f2;

}

</style>

</head>

<body>

<br><br>

<div class="menu-box">

<h1>Add new Vaccination Center</h1>

<form action="addCenter" method="post" >

<table>

<tr>

<td>Center Name</td>

<td><input type="text" name="center"></td>

</tr>

<tr>

<td>Center City</td>

<td>

<select name="city" >

<% List<City> cities = (List<City>) request.getAttribute("cities");

for(City city: cities){

%>

<option value="<%=city.getCityname()%>"><%=city.getCityname() %></option>

<%} %>

</select>

</td>

</tr>

<tr>

<td colspan="2"><input type="submit" value="Submit"></td>

</tr>

</table>

</form>

</div>

</body>

</html>

<!-- ========================================================== -->

<!-- viewCenter.jsp -->

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

pageEncoding="ISO-8859-1"%>

<%@include file="welcomeHeader.jsp"%>

<%@include file="security.jsp"%>

<%@page import="java.util.\*" %>

<%@page import="com.vaccination.entity.\*"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Vaccination Center</title>

<style>

table {

border-collapse: collapse;

text-align: center;

}

th, td {

border: 1px solid black;

}

th {

background-color: #f2f2f2;

height:40px;

}

.add-center-btn {

float: right;

}

.button-width-2 {

width: 30%;

margin: 0 auto;

text-align: center;

}

</style>

</head>

<body >

<br><br>

<%VaccinationCenter center = (VaccinationCenter)request.getAttribute("center");

List<Citizen> citizens = (List<Citizen>)request.getAttribute("citizens");{

%>

<h2 align="left">Center Information</h2>

<table>

<tr>

<th colspan="2" ><b><%=center.getCenterName()%></b></th>

</tr>

<tr>

<td>ID</td>

<td><%=center.getId() %></td>

</tr>

<tr>

<td>City</td>

<td><%=center.getCity() %></td>

</tr>

</table>

<hr>

<h2 align="left">All Citizens of this center</h2>

<table>

<tr>

<th><b>ID</b></th>

<th><b>Name</b></th>

<th><b>Action</b></th>

</tr>

<%for (Citizen citizen:citizens){%>

<tr>

<td><%=citizen.getId() %></td>

<td><%=citizen.getCitizenName() %></td>

<td><a href="/citizens/view?id=<%=citizen.getId()%>">View</a>

</tr>

<%} %>

</table>

<%} %>

</body>

</html>

<!-- ========================================================== -->

<!-- editCenter.jsp -->

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

<%@ page import="com.vaccination.\*"%>

<%@ page import="java.util.\* "%>

<%@page import="com.vaccination.entity.\*"%>

<%@include file="security.jsp"%>

<%@include file="welcomeHeader.jsp"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Edit Center</title>

<style>

.menu-box {

border: 1px solid #ccc;

padding: 10px;

width: 300px;

margin: 0 auto;

text-align: center;

}

table {

width: 100%;

border-collapse: collapse;

}

th, td {

padding: 8px;

border: 1px solid #ccc;

}

th {

background-color: #f2f2f2;

}

</style>

</head>

<body>

<br><br>

<div class="menu-box">

<h1>Center Information</h1>

<%

VaccinationCenter center = (VaccinationCenter) request.getAttribute("center");

List<City> cities = (List<City>) request.getAttribute("cities");

%>

<form action="editCenter">

<table>

<tr>

<th colspan="2">Edit <%= center.getCenterName() %></th>

</tr>

<tr>

<td>Center Name</td>

<td><input type="text" name="center" value="<%= center.getCenterName() %>"></td>

</tr>

<tr>

<td>Center City</td>

<td>

<select name="city">

<%

for (City city : cities) {

if (city.getCityname().equals(center.getCity())) {

%>

<option value="<%= city.getCityname() %>" selected><%= city.getCityname()%></option>

<%

} else {

%>

<option value="<%= city.getCityname() %>"><%= city.getCityname() %></option>

<%

}

}

%>

</select>

</td>

</tr>

<tr>

<td colspan="2"><input type="submit" value="Submit"></td>

</tr>

</table>

<input type="hidden" name="id" value="<%= center.getId() %>">

</form>

</div>

</body>

</html>

<!-- ========================================================== -->

<!-- citizens.jsp -->

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

pageEncoding="ISO-8859-1"%>

<%@include file="welcomeHeader.jsp"%>

<%@include file="security.jsp"%>

<%@page import="java.util.\*" %>

<%@page import="com.vaccination.entity.\*"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Citizens</title>

<style>

table {

width: 100%;

border-collapse: collapse;

text-align: center;

}

th, td {

width:14%;

border: 1px solid black;

padding: 8px;

}

th {

background-color: #f2f2f2;

height:40px;

}

.add-center-btn {

float: right;

}

.button-width-2 {

width: 30%;

margin: 0 auto;

text-align: center;

}

</style>

</head>

<body>

<br><br>

<h2 align="left">Citizens</h2>

<%

List<Citizen> citizens = (List<Citizen>)request.getAttribute("citizens");

int count = 0;

%>

<table>

<tr>

<td colspan="7"><a href="add" class="add-center-btn"><button>Add New Citizen</button></a></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>

<%

for (Citizen citizen : citizens) {

%>

<tr>

<td><%=citizen.getId()%></td>

<td><%=citizen.getCitizenName()%></td>

<td><%=citizen.getCenter().getCity()%></td>

<td><%=citizen.getDoses()%></td>

<td>

<%

if (citizen.getDoses() == 0) {

%> Not Vaccinated <%

}

if (citizen.getDoses() == 1) {

%> Partially Vaccinated <%

}

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

%> Fully Vaccinated <%

}

%>

</td>

<td><%=citizen.getCenter().getCenterName()%></td>

<td class="action-buttons">

<a href="view?id=<%=citizen.getId()%>"><button class="button-width-2">View</button></a>

<a href="edit?id=<%=citizen.getId()%>"><button class="button-width-2">Edit</button></a>

<a href="delete?id=<%=citizen.getId()%>"><button class="button-width-2">Delete</button></a>

</td>

</tr>

<%

count++;

}

%>

<tr>

<td colspan="7">Total <%=count%> citizens found.</td>

</tr>

</table>

</body>

</html>

<!-- ========================================================== -->

<!-- addCitizen.jsp -->

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

pageEncoding="ISO-8859-1"%>

<%@page import="com.vaccination.entity.\*"%>

<%@page import="java.util.\*"%>

<%@include file="welcomeHeader.jsp"%>

<%@include file="security.jsp"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Add New Citizen</title>

<style>

.menu-box {

border: 1px solid #ccc;

padding: 10px;

width: 500px;

margin: 0 auto;

text-align: center;

}

.menu-box a {

display: block;

margin-bottom: 10px;

}

table {

width: 100%;

border-collapse: collapse;

}

th, td {

padding: 8px;

border: 1px solid #ccc;

}

th {

background-color: #f2f2f2;

}

</style>

</head>

<body>

<br><br>

<div class="menu-box">

<h1>Add New Citizen</h1>

<form action="add-getcenter" method="post">

<table>

<tr>

<td>Citizen Name</td>

<td><input type="text" name="citizenName"></td>

</tr>

<tr>

<td>No. of Doses</td>

<td>

<select name="doses">

<option value="0">0</option>

<option value="1">1</option>

<option value="2">2</option>

</select>

</td>

</tr>

<tr>

<td>City Name</td>

<td>

<select name="city" id="city" onchange="this.form.submit()">

<option value="">Select City</option>

<%

List<City> cities = (List<City>) request.getAttribute("cities");

for (City city : cities) {

%>

<option value="<%= city.getCityname() %>"><%= city.getCityname() %></option>

<%

}

%>

</select>

</td>

</tr>

<tr>

<td>Center Name</td>

<td>

<select name="center" >

</select>

</td>

</tr>

<tr>

<td colspan="2"><input type="submit" value="Submit"></td>

</tr>

</table>

</form>

</div>

</body>

</html>

<!-- ========================================================== -->

<!-- add-Citizen.jsp -->

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

pageEncoding="ISO-8859-1"%>

<%@page import="com.vaccination.entity.\*"%>

<%@page import="java.util.\*"%>

<%@include file="welcomeHeader.jsp"%>

<%@include file="security.jsp"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Add New Citizen</title>

<style>

.menu-box {

border: 1px solid #ccc;

padding: 10px;

width: 500px;

margin: 0 auto;

text-align: center;

}

.menu-box a {

display: block;

margin-bottom: 10px;

}

table {

width: 100%;

border-collapse: collapse;

}

th, td {

padding: 8px;

border: 1px solid #ccc;

}

th {

background-color: #f2f2f2;

}

</style>

</head>

<body>

<!-- This extra jsp is used to select centers present in the city selected in addCitizen.jsp -->

<br><br>

<div class="menu-box">

<h1>Add New Citizen</h1>

<form action="addCitizen" method="post">

<table>

<tr>

<td>Citizen Name</td>

<td><input type="text" name="citizenName"value="<%=request.getAttribute("citizenName")%>"></td>

</tr>

<tr>

<td>No. of Doses</td>

<td>

<select name="doses">

<%

for (int count=0;count<=2;count++) {

if (count==Integer.parseInt((String)request.getAttribute("doses"))) {

%>

<option value="<%= count %>" selected><%= count%></option>

<%

} else {

%>

<option value="<%= count %>"><%= count %></option>

<%

}

}

%>

</select>

</td>

</tr>

<tr>

<td>City Name</td>

<td><select name="city">

<option value="<%=(String)request.getAttribute("selectedCity")%>" selected><%=(String)request.getAttribute("selectedCity")%></option>

</select></td>

</tr>

<tr>

<td>Center Name</td>

<td>

<select name="center" >

<% List<VaccinationCenter> centers = (List<VaccinationCenter>) request.getAttribute("centers");

for(VaccinationCenter center: centers){

%>

<option value="<%=center.getId()%>"><%=center.getCenterName() %></option>

<%} %>

</select>

</td>

</tr>

<tr>

<td colspan="2"><input type="submit" value="Submit"></td>

</tr>

</table>

</form>

<i>Go Back, if you wish to change city</i>

</div>

</body>

</html>

<!-- ========================================================== -->

<!-- viewCitizen.jsp -->

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

pageEncoding="ISO-8859-1"%>

<%@include file="welcomeHeader.jsp"%>

<%@include file="security.jsp"%>

<%@page import="java.util.\*" %>

<%@page import="com.vaccination.entity.\*"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Citizen</title>

<style>

table {

border-collapse: collapse;

text-align: center;

}

th, td {

border: 1px solid black;

}

th {

background-color: #f2f2f2;

height:40px;

}

</style>

</head>

<body >

<br><br>

<%Citizen citizen = (Citizen)request.getAttribute("citizen"); {

%>

<h2 align="left">Citizen Information</h2>

<table>

<tr>

<th colspan="2" ><b><%=citizen.getCitizenName()%></b></th>

</tr>

<tr>

<td>ID</td>

<td><%=citizen.getId() %></td>

</tr>

<tr>

<td>City</td>

<td><%=citizen.getCenter().getCity() %></td>

</tr>

<tr>

<td>Number of Vaccines</td>

<td><%=citizen.getDoses()%></td>

</tr>

<tr>

<td>Vaccination Status</td>

<td><%

if (citizen.getDoses() == 0) {

%> Not Vaccinated <%

}

if (citizen.getDoses() == 1) {

%> Partially Vaccinated <%

}

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

%> Fully Vaccinated <%

}

%></td>

</tr>

<tr>

<td>Allocated Vaccination Center</td>

<td><a href = "/vaccinationcenter/view?id=<%=citizen.getCenter().getId()%>"><%=citizen.getCenter().getCenterName() %></a></td>

</tr>

</table>

<%} %>

</body>

</html>

<!-- ========================================================== -->

<!-- editCitizen.jsp -->

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

pageEncoding="ISO-8859-1"%>

<%@ page import="com.vaccination.\*"%>

<%@ page import="java.util.\* "%>

<%@page import="com.vaccination.entity.\*"%>

<%@include file="security.jsp"%>

<%@include file="welcomeHeader.jsp"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Edit Citizen</title>

<style>

.menu-box {

border: 1px solid #ccc;

padding: 10px;

width: 500px;

margin: 0 auto;

text-align: center;

}

table {

width: 100%;

border-collapse: collapse;

}

th, td {

padding: 8px;

border: 1px solid #ccc;

}

th {

background-color: #f2f2f2;

height: 40px;

}

</style>

</head>

<body>

<br><br>

<div class="menu-box">

<h1>Citizen Information</h1>

<%

Citizen citizen = (Citizen) request.getAttribute("citizen");

List<City> cities = (List<City>) request.getAttribute("cities");

%>

<form action="edit-getcenter" method="post">

<table>

<tr>

<th colspan="2"><b>Edit Citizen</b></th>

</tr>

<tr>

<td>Citizen Name</td>

<td><input type="text" name="citizenName"

value="<%=citizen.getCitizenName()%>"></td>

</tr>

<tr>

<td>Citizen City</td>

<td><select name="city" id="city"

onchange="this.form.submit()">

<%

for (City city : cities) {

if (city.getCityname().equals(citizen.getCenter().getCity())) {

%>

<option value="<%=city.getCityname()%>" selected><%=city.getCityname()%></option>

<%

} else {

%>

<option value="<%=city.getCityname()%>"><%=city.getCityname()%></option>

<%

}

}

%>

</select></td>

</tr>

<tr>

<td>No. of Doses</td>

<td><select name="doses">

<%

for (int count = 0; count <= 2; count++) {

if (count == citizen.getDoses()) {

%>

<option value="<%=count%>" selected><%=count%></option>

<%

} else {

%>

<option value="<%=count%>"><%=count%></option>

<%

}

}

%>

</select></td>

</tr>

<tr>

<td>Vaccination Center</td>

<td><select name="center">

<option value="<%=citizen.getCenter().getId()%>" selected><%=citizen.getCenter().getCenterName()%></option>

</select></td>

</tr>

<tr>

<td colspan="2"><input type="submit" value="Submit"></td>

</tr>

</table>

<input type="hidden" name="id" value="<%= citizen.getId() %>">

</form>

</div>

</body>

</html>

<!-- ========================================================== -->

<!-- edit-Citizen.jsp -->

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

pageEncoding="ISO-8859-1"%>

<%@page import="com.vaccination.entity.\*"%>

<%@page import="java.util.\*"%>

<%@include file="welcomeHeader.jsp"%>

<%@include file="security.jsp"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Citizen Information</title>

<style>

.menu-box {

border: 1px solid #ccc;

padding: 10px;

width: 500px;

margin: 0 auto;

text-align: center;

}

table {

width: 100%;

border-collapse: collapse;

}

th, td {

padding: 8px;

border: 1px solid #ccc;

}

th {

background-color: #f2f2f2;

height: 40px;

}

</style>

</head>

<body>

<!-- This extra jsp is used to select centers present in the city selected in editCitizen.jsp -->

<br>

<br>

<div class="menu-box">

<h1>Citizen Information</h1>

<form action="editCitizen" method="post">

<table>

<tr>

<th colspan="2"><b>Edit Citizen</b></th>

</tr>

<tr>

<td>Citizen Name</td>

<td><input type="text" name="citizenName"

value="<%=request.getAttribute("citizenName")%>"></td>

</tr>

<tr>

<td>Citizen City</td>

<td><select name="city">

<option

value="<%=(String) request.getAttribute("selectedCity")%>"

selected><%=(String) request.getAttribute("selectedCity")%></option>

</select></td>

</tr>

<tr>

<td>No. of Doses</td>

<td><select name="doses">

<%

for (int count = 0; count <= 2; count++) {

if (count == Integer.parseInt((String) request.getAttribute("doses"))) {

%>

<option value="<%=count%>" selected><%=count%></option>

<%

} else {

%>

<option value="<%=count%>"><%=count%></option>

<%

}

}

%>

</select></td>

</tr>

<tr>

<td>Vaccination Center</td>

<td><select name="center">

<%

List<VaccinationCenter> centers = (List<VaccinationCenter>) request.getAttribute("centers");

for (VaccinationCenter center : centers) {

%>

<option value="<%=center.getId()%>"><%=center.getCenterName()%></option>

<%

}

%>

</select></td>

</tr>

<tr>

<td colspan="2"><input type="submit" value="Submit"></td>

</tr>

</table>

<input type="hidden" name="id"

value="<%=(Integer) request.getAttribute("citizenId")%>">

</form>

<i>Go Back, if you wish to change city</i>

</div>

</body>

</html>

<!-- ========================================================== -->

<!-- errorOper.jsp -->

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

pageEncoding="ISO-8859-1"%>

<%@include file="welcomeHeader.jsp"%>

<%@include file="security.jsp"%>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Error in performing Operation</title>

</head>

<body>

<h1>Something went wrong! Try Again...</h1>

</body>

</html>

<!-- ========================================================== -->

<!-- logout.jsp -->

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

pageEncoding="ISO-8859-1"%>

<%@include file="security.jsp"%>

<!DOCTYPE html>

<html>

<body>

<%

response.setHeader("Cache-Control", "no-cache, no-store, must-revalidate");

response.setHeader("Pragma", "no-cache");

response.setDateHeader("Expires", 0);

%>

<%

session.invalidate();

%>

<h2 align="center">Logged out successfully!</h2>

<%@include file="/pages/home.jsp"%>

</body>

</html>

<!-- ========================================================== -->