WEB-SECURITY-CONF

package com.simpli.controller;

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

import org.springframework.context.annotation.Configuration;

import org.springframework.security.config.annotation.authentication.builders.AuthenticationManagerBuilder;

import org.springframework.security.config.annotation.web.configuration.EnableWebSecurity;

import org.springframework.security.crypto.factory.PasswordEncoderFactories;

import org.springframework.security.crypto.password.PasswordEncoder;

@EnableWebSecurity

@Configuration

public class WebSecurityConf {

@Autowired

public void configureGlobal(AuthenticationManagerBuilder auth) throws Exception {

PasswordEncoder encoder = PasswordEncoderFactories.createDelegatingPasswordEncoder();

auth.inMemoryAuthentication()

.withUser("user").password(encoder.encode("password")).roles("USER");

}

}

CENTERS.JAVA

package com.simpli.controller;

import jakarta.persistence.Column;

import jakarta.persistence.Entity;

import jakarta.persistence.GeneratedValue;

import jakarta.persistence.Id;

import jakarta.persistence.Table;

@Entity

@Table(name="centerdetail")

public class Centers {

@Id

@GeneratedValue

@Column(name="id")

private int id;

@Column(name="name")

private String name;

@Column(name="city")

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;

}

@Override

public String toString() {

return "Centers [id=" + id + ", name=" + name + ", city=" + city + "]";

}

}

CenterRepository

package com.simpli.controller;

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

import org.springframework.stereotype.Repository;

@Repository

public interface CenterRepository extends JpaRepository<Centers, Integer>{

}

CENTERCONTROLLER

package com.simpli.controller;

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.RequestBody;

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

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

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

@Controller

public class CenterController {

@Autowired

CenterRepository centerRepo;

@GetMapping("/add-center")

public String addcenter(Model model) {

Centers cs = new Centers();

model.addAttribute("center" , cs);

return"new-center-added";

}

@PostMapping("/add-center")

public String Newuseradded(@ModelAttribute("center") Centers cs) {

centerRepo.save(cs);

return"add-new-center-success";

}

//edit functionality

@GetMapping("/edit-center")

public String editCenter(@RequestParam int id , Model model ) {

Optional<Centers>centerFromRepo=centerRepo.findById(id);

if(centerFromRepo.isPresent()) {

Centers cs = centerFromRepo.get();

model.addAttribute("center" , cs);

return"edit-center";

}

else {

model.addAttribute("id" , id);

return"edit-center-not-found";

}

}

@PostMapping("/edit-center")

public String Editnewcourse(@ModelAttribute("ceneter") Centers cs ,Model model ) {

centerRepo.save(cs);

model.addAttribute("id" , cs.getId());

return"edit-center-saved-success";

}

//delete the center

@GetMapping("/deletecenter")

@ResponseBody

public String deleteCourse(@RequestParam int id ) {

centerRepo.deleteById(id);

return"delete center" +id;

}

//list product

@GetMapping("/list-center")

public String listCenter(Model model) {

List<Centers>centerlist=centerRepo.findAll();

model.addAttribute("centerlist" ,centerlist);

return"list-of-center";

}

}

INDEX.JSP

<a href=*"list-center"*>List All Center</a>

<br>

<a href=*"view citizen"*>View Citizen</a>

<br>

<br>

<a href=*"logout"*>logout</a>

NEW-CENTER-ADDED.JSP

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

pageEncoding=*"ISO-8859-1"*%>

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

<div align=*"center"*>

<h3 center>Center Detail</h3>

<form:form action=*"add-center"* method=*"post"* modelAttribute=*"center"*>

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

<form:input path=*"name"* />

<br />

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

<form:input path=*"city"* />

<br />

<form:button>Add Center</form:button>

</form:form>

ADD-NEW-CENTER-SUCCESS.JSP

<h1>Center Added Successfully</h1>

EDIT-CENTER.JSP

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

pageEncoding=*"ISO-8859-1"*%>

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

<div align=*"center"*>

Edit Center ${center.id} below:<br>

<form:form action=*"edit-center"* method=*"post"* modelAttribute=*"center"*>

<form:input path=*"id"* values=*"*${center.id}*"* hidden=*"true"*/>

<form:label path=*"name"* >center name:</form:label>

<form:input path=*"name"* value=*"*${center.name}*"* />

<br />

<form:label path=*"city"* >center city:</form:label>

<form:input path=*"city"* value=*"*${center.city}*"* />

<br />

<form:button>Edit Center</form:button>

</form:form>

EDIT-CENTER-SAVED-SUCCESS.JSP

center ${id} saves successfully} .you can check in the database

<a href=*"/"*>Home page</a>

EDIT-CENTER-NOT-FOUND

<%@ 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>

</head>

<body>

Edit center not found <br>

Center with id=${id} not found in the database

</body>

</html>

DELETE-CENTER-SUCCESS.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>

</head>

<body>

delete center not found <br>

Center with id=${id} not found so cannot be deleted

</body>

</html>

DELETE-CENTER-NOT-FOUND.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>

</head>

<body>

delete center not found <br>

Center with id=${id} not found so cannot be deleted

</body>

</html>

LIST-OF-CENTER.JSP

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

pageEncoding=*"ISO-8859-1"*%>

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

<table border=*1*>

<tr>

<td>ID

<td>NAME

<td>City

<td>ACTIONS

</tr>

<c:forEach var=*"center"* items=*"*${centerlist}*"*>

<tr>

<td>${center.id}

<td>${center.name}

<td>${center.city}

<td><a href=*"edit-center?id=*${center.id}*"*>EDIT </a>

<a href=*"deletecenter?id=*${center.id}*"*>DELETE </a>

</tr>

</c:forEach>

</table>

<a href=*"add-center"*>ADD A NEW CENTER</a>

CITIZEN

CENTERES.JAVA

package com.simpli.demo;

import jakarta.persistence.Column;

import jakarta.persistence.Entity;

import jakarta.persistence.GeneratedValue;

import jakarta.persistence.GenerationType;

import jakarta.persistence.Id;

import jakarta.persistence.Table;

@Entity

@Table(name="centerdetail")

public class Centeres {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

@Column(name="center\_id")

private int id;

@Column(name="center\_name")

private String name;

@Column(name="center\_city")

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;

}

}

CITIZENES.JAVA

package com.simpli.demo;

import jakarta.persistence.CascadeType;

import jakarta.persistence.Entity;

import jakarta.persistence.FetchType;

import jakarta.persistence.GeneratedValue;

import jakarta.persistence.GenerationType;

import jakarta.persistence.Id;

import jakarta.persistence.JoinColumn;

import jakarta.persistence.JoinTable;

import jakarta.persistence.OneToOne;

import jakarta.persistence.Table;

@Entity

@Table(name="citizenes")

public class Citizenes {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private int citizenes\_id;

private String citizenes\_name;

private String no\_of\_dose;

private String vaccination\_status;

@OneToOne( fetch = FetchType.EAGER , cascade= CascadeType.ALL)

@JoinColumn(name = "center\_id")

private Centeres center;

public int getCitizenes\_id() {

return citizenes\_id;

}

public void setCitizenes\_id(int citizenes\_id) {

this.citizenes\_id = citizenes\_id;

}

public String getCitizenes\_name() {

return citizenes\_name;

}

public void setCitizenes\_name(String citizenes\_name) {

this.citizenes\_name = citizenes\_name;

}

public String getNo\_of\_dose() {

return no\_of\_dose;

}

public void setNo\_of\_dose(String no\_of\_dose) {

this.no\_of\_dose = no\_of\_dose;

}

public String getVaccination\_status() {

return vaccination\_status;

}

public void setVaccination\_status(String vaccination\_status) {

this.vaccination\_status = vaccination\_status;

}

public Centeres getCenter() {

return center;

}

public void setCenter(Centeres center) {

this.center = center;

}

}

REPOSITORIES CLASS

CENTERSREPOSITORY

package com.simpli.demo;

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

import org.springframework.stereotype.Repository;

@Repository

public interface CentersRepository extends JpaRepository<Centeres, String> {

}

CITIZENREPOSITORY

package com.simpli.demo;

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

import org.springframework.stereotype.Repository;

@Repository

public interface CitizenRepository extends JpaRepository<Citizenes, Integer> {

}

CITIZENCONTROLLER

package com.simpli.demo;

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.RequestMapping;

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

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

@Controller

public class CitizenController {

@Autowired

CentersRepository centersRepo ;

@Autowired

CitizenRepository citizenRepo ;

@PostMapping("/add-citizen")

@ResponseBody

public String addcitizenWithCenter(@RequestParam String csName , @RequestParam String csCity ,@RequestParam String ciName ,@RequestParam String ciNoofdose , @RequestParam String ciVaccinationStatus) {

///create citizen object

Citizenes ci = new Citizenes();

ci.setCitizenes\_name(ciName);

ci.setNo\_of\_dose(ciNoofdose);

ci.setVaccination\_status(ciVaccinationStatus);

ci= citizenRepo.save(ci);

//create center object to save the input

Centeres cs = new Centeres();

cs.setName(csName);

cs.setCity(csCity);

cs = centersRepo.save(cs);

ci.setCenter(cs);

ci= citizenRepo.save(ci);

return"add citizen with id " +ci.getCitizenes\_id() +"center has id " +cs.getId();

}

//edit functionality

@GetMapping("/edit-citizen")

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

Optional<Citizenes> citizenFromRepo = citizenRepo.findById(id);

if (citizenFromRepo.isPresent()) {

Citizenes ci = citizenFromRepo.get();

model.addAttribute("citizen", ci);

return "edit-citizen";

} else {

model.addAttribute("id", id);

return "edit-center-not-found";

}

}

@PostMapping("/edit-center")

public String editCitizen(@ModelAttribute("citizen") Citizenes ci, Model model) {

citizenRepo.save(ci);

model.addAttribute("id", ci.getCitizenes\_id());

return "edit-center-saved-success";

}

//list product

@GetMapping("/list-citizen")

public String listCitizen(Model model) {

List<Citizenes>citizenlist=citizenRepo.findAll();

model.addAttribute("citizenlist",citizenlist);

return"list-of-citizen";

}

//delete citizen with id

@GetMapping("/delete-citizen")

@ResponseBody

public String deleteCitizen(@RequestParam int id) {

citizenRepo.deleteById(id);

return"delete citizen "+id;

}

}

INDEX.JSP

<a href=*"list-citizen"*>List All Citizen</a>

<br>

<a href=*"add-citizen"*>Add new Center</a><br>

<form action=*"add-citizen"* method=*"POST"*>

CITIZEN NAME:<input name=*ciName*> <br/>

CITIZEN NO OF DOSE:<input name=*ciNoofdose*> <br/>

CITIZEN VACCINATION STATUS:<input name=*ciVaccinationStatus*> <br/>

CENTER NAME:<input name=*csName*> <br/>

CENTER CITY:<input name=*csCity*> <br/>

<

</form>

Edit the citizen<br>

<form action=*"edit-citizen"* method=*"get"*>

ID:<input name = *citizen\_id*>

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

</form>

EDIT-CITIZEN.JSP

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

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

<div align=*"center"*>

Edit Citizen ${citizen.citizenes\_id} below:<br>

<form:form action=*"/edit-center"* method=*"post"* modelAttribute=*"citizen"*>

<form:hidden path=*"citizenes\_id"* />

<form:label path=*"citizenes\_name"*>Citizen Name:</form:label>

<form:input path=*"citizenes\_name"* value=*"*${citizen.citizenes\_name}*"* />

<br />

<form:label path=*"no\_of\_dose"*>No of Doses:</form:label>

<form:input path=*"no\_of\_dose"* value=*"*${citizen.no\_of\_dose}*"* />

<br />

<form:label path=*"vaccination\_status"*>Vaccination Status:</form:label>

<form:input path=*"vaccination\_status"* value=*"*${citizen.vaccination\_status}*"* />

<br />

<form:button>Edit Citizen</form:button>

</form:form>

</div>

EDIT-CITIZEN-SAVED-SUCCESS.JSP

citizen ${citizen\_id} saves successfully} .you can check in the database

<a href=*"/"*>Home page</a>

EDIT-CITIZEN-NOT-FOUND.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>

</head>

<body>

LIST-OF-CITIZENS.JSP

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

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

<table border=*"1"*>

<tr>

<td>ID</td>

<td>NAME</td>

<td>No.OF DOSES</td>

<td>Vaccination Status</td>

<td>Center\_id</td>

<td>Action</td>

</tr>

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

<tr>

<td>${citizen.citizenes\_id}</td>

<td>${citizen.citizenes\_name}</td>

<td>${citizen.no\_of\_dose}</td>

<td>${citizen.vaccination\_status}</td>

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

<td>

<a href=*"edit-citizen?id=*${citizen.citizenes\_id}*"*>EDIT</a>

<a href=*"delete-citizen?id=*${citizen.citizenes\_id}*"*>DELETE</a>

</td>

</tr>

</c:forEach>

</table>

<a href=*"add-citizen"*>ADD A NEW CITIZEN</a>

APPLICATION.PROPERTIES

#jsp

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

spring.mvc.view.suffix=.jsp

#h2 databases

spring.datasource.url=jdbc:h2:C:/temp/Citizen

spring.datasource.driverClassName=org.h2.Driver

spring.datasource.username=sa

spring.datasource.password=

spring.jpa.hibernate.ddl-auto=update

spring.jpa.database-platform=org.hibernate.dialect.H2Dialect

spring.h2.console.enabled=true