Source Code

package com.Vaccination.entity;

import jakarta.persistence.Entity;

import jakarta.persistence.GeneratedValue;

import jakarta.persistence.Id;

import jakarta.persistence.JoinColumn;

import jakarta.persistence.ManyToOne;

import jakarta.persistence.Table;

*@Entity*

*@Table*(name = "citizen")

public class Citizen {

*@Id*

*@GeneratedValue*

private int id;

private String name;

private String city;

private int Doses;

private String status;

*@ManyToOne*

*@JoinColumn*(name = "vaccination\_center\_id")

private VaccineCenter vaccineCenter;

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getCity() {

return city;

}

public void setCity(String city) {

this.city = city;

}

public int getDoses() {

return Doses;

}

public void setDoses(int doses) {

this.Doses = doses;

}

public String getStatus() {

return status;

}

public void setStatus(String status) {

this.status = status;

}

public VaccineCenter getVaccineCenter() {

return vaccineCenter;

}

public void setVaccineCenter(VaccineCenter vaccineCenter) {

this.vaccineCenter = vaccineCenter;

}

}

package com.Vaccination.entity;

import java.util.List;

import jakarta.persistence.Entity;

import jakarta.persistence.GeneratedValue;

import jakarta.persistence.Id;

import jakarta.persistence.OneToMany;

*@Entity*

public class VaccineCenter {

*@Id*

*@GeneratedValue*

int id;

String name;

String city;

*@OneToMany*(mappedBy = "vaccineCenter")

private List<Citizen> citizens;

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getCity() {

return city;

}

public void setCity(String city) {

this.city = city;

}

public List<Citizen> getCitizens() {

return citizens;

}

public void setCitizens(List<Citizen> citizens) {

this.citizens = citizens;

}

}

package com.Vaccination.entity;

import java.util.Set;

import jakarta.persistence.\*;

*@Entity*

public class User {

*@Id*

*@GeneratedValue*

private int id;

private String email;

public String getEmail() {

return email;

}

public void setEmail(String email) {

this.email = email;

}

private String username;

private String password;

*@ManyToMany*(fetch = *FetchType*.***EAGER***)

*@JoinTable*(

name = "user\_roles",

joinColumns = *@JoinColumn*(name = "user\_id"),

inverseJoinColumns = *@JoinColumn*(name = "role\_id"))

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getUsername() {

return username;

}

public void setUsername(String username) {

this.username = username;

}

public String getPassword() {

return password;

}

public void setPassword(String password) {

this.password = password;

}

public String getRoles() {

return null;

}

}

package com.Vaccination.repo;

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

import org.springframework.stereotype.Repository;

import com.Vaccination.entity.Citizen;

import com.Vaccination.entity.VaccineCenter;

import java.util.List;

*@Repository*

public interface CitizenRepo extends JpaRepository<Citizen, Integer> {

List<Citizen> findByVaccineCenter(VaccineCenter vaccineCenter);

}

package com.Vaccination.repo;

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

import org.springframework.stereotype.Repository;

import com.Vaccination.entity.\*;

*@Repository*

public interface VaccineCenterRepo extends JpaRepository<VaccineCenter, Integer>{

}