EMP ID: 2576955

SOURCE CODE

Vaccination Center-Source Code

com.ecommerce:

VaccinationCentreApplication.java:

com.ecommerce.comtroller

CitizenController.java:

UserController.java:

package com.ecommerce.controller;

import org.springframework.http.ResponseEntity;

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

"redirect:/login.html";

}

```
EMP ID: 2576955
SOURCE CODE
import com.ecommerce.entity.User;
import com.ecommerce.repository.UserRepository; import
com.ecommerce.service.UserService;
@Controller
@RequestMapping("/") public class
UserController {
private final UserService userService; private final
UserRepository userRepository; public
UserController(UserService userService, UserRepository
userRepository)
{
this.userService = userService; this.userRepository =
userRepository;
}
@GetMapping
public String showRLoginPage() { return
```

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SOURCE CODE

```
@PostMapping("/login")
public String processLogin(@RequestParam("username") String username,
@RequestParam("password") String password) {
User user = userRepository.findByUsername(username); if (user != null
&& user.getPassword().equals(password)) {
return "redirect:/vaccine-centers";
} else {
return "redirect:/errorpage.html";
}
@GetMapping("/register") public String
showRegisterPage() { return
"redirect:/register.html";
}
@PostMapping("/register")
```

EMP ID: 2576955

SOURCE CODE

```
public ResponseEntity<String> registerUser(@RequestParam("username") String username,
  @RequestParam("email") String email, @RequestParam("password") String password) {
  User user = new User(username, email, password); userService.registerUser(user);
  return ResponseEntity.ok("User registered successfully");
}
```

VaccineCenterController.java:

```
package com.ecommerce.controller;
import java.util.List;
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.PathVariable;
import org.springframework.web.bind.annotation.PostMapping;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMapping;
import com.ecommerce.entity.Citizen;
import com.ecommerce.entity.VaccineCenter;
```

```
EMP ID: 2576955
SOURCE CODE
import com.ecommerce.service.CitizenService;
import com.ecommerce.service.VaccineCenterService;
@Controller
@RequestMapping("/vaccine-centers") public class
VaccineCenterController {
private final VaccineCenterService vaccineCenterService; private final
CitizenService citizenService;
public VaccineCenterController(VaccineCenterService vaccineCenterService, CitizenService
citizenService) {
this.vaccineCenterService = vaccineCenterService; this.citizenService =
citizenService;
}
@GetMapping
public String getAllVaccineCenters(Model model) {
List<VaccineCenter> vaccineCenters =
vaccineCenterService.getAllVaccineCenters();
```

model.addAttribute("vaccineCenters", vaccineCenters); return "vaccine-

center-details";

KIRAN KUMAR D NATIKAR EMP ID: 2576955 **SOURCE CODE** @GetMapping("/add") public String showAddVaccineCenterForm(Model model) { model.addAttribute("vaccineCenter", new VaccineCenter()); return "add-vaccinecenter"; } @PostMapping("/add") public String addVaccineCenter(@ModelAttribute("vaccineCenter") VaccineCenter vaccineCenter) { vaccineCenterService.addVaccineCenter(vaccineCenter); return "redirect:/vaccine-centers"; } @GetMapping("/{id}") public String viewVaccineCenter(@PathVariable("id") Long id, Model model) { VaccineCenter vaccineCenter = vaccineCenterService.getVaccineCenterById(id); List<Citizen> citizens = citizenService.getCitizensByVaccinationCenter(vaccineCenter);

model.addAttribute("vaccineCenter", vaccineCenter);

model.addAttribute("citizens", citizens); return "vaccine-center-view";

```
KIRAN KUMAR D NATIKAR
EMP ID :2576955
SOURCE CODE
@GetMapping("/{id}/edit")
public String showEditVaccineCenterForm(@PathVariable("id") Long id, Model model) {
VaccineCenter vaccineCenter = vaccineCenterService.getVaccineCenterById(id); if
(vaccineCenter != null) {
model.addAttribute("vaccineCenter", vaccineCenter); return "edit-
vaccine-center";
} else {
return "redirect:/vaccine-centers";
}
}
@PostMapping("/{id}/edit")
public String updateVaccineCenter(@PathVariable("id") Long id,
@ModelAttribute("vaccineCenter") VaccineCenter updatedVaccineCenter) { VaccineCenter
vaccineCenter = vaccineCenterService.getVaccineCenterById(id); if (vaccineCenter != null) {
vaccineCenter.setCenter(updatedVaccineCenter.getCenter());
vaccineCenter.setCity(updatedVaccineCenter.getCity());
```

vaccineCenterService.updateVaccineCenter(vaccineCenter);

```
EMP ID :2576955

SOURCE CODE
}

return "redirect:/vaccine-centers";
}

@GetMapping("/{id}/delete")

public String deleteVaccineCenter(@PathVariable("id") Long id) {
 vaccineCenterService.deleteVaccineCenter(id); return "redirect:/vaccine-centers";
}
}
```

com.ecommerce.entity

Citizen.java:

```
package com.ecommerce.entity;
import jakarta.persistence.Column;
import jakarta.persistence.Entity;
import jakarta.persistence.FetchType; import jakarta.persistence.GeneratedValue; import jakarta.persistence.GenerationType; import jakarta.persistence.Id;
```

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```
SOURCE CODE
import jakarta.persistence.JoinColumn; import
jakarta.persistence.ManyToOne; import
jakarta.persistence.Table;
@Entity
@Table(name = "citizens") public class
Citizen {
@Id
@GeneratedValue(strategy = GenerationType.IDENTITY) private Long id;
@Column(name = "name") private String
name; @Column(name = "city") private
String city;
@Column(name = "no_of_doses") private int
noOfDoses;
@Column(name = "vaccination_status") private String
vaccinationStatus;
```

}

```
EMP ID :2576955
SOURCE CODE
@ManyToOne(fetch = FetchType.LAZY) @JoinColumn(name =
"vaccination_center") private VaccineCenter vaccinationCenter;
// Constructors, getters, setters, and other properties
public Long getId() { return id;
}
public void setId(Long id) { this.id = id;
}
public String getName() { return name;
}
public void setName(String name) { this.name = name;
}
public String getCity() { return city;
```

EMP ID: 2576955

```
SOURCE CODE
public void setCity(String city) { this.city = city;
}
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 VaccineCenter getVaccinationCenter() { return
vaccinationCenter;
```

```
KIRAN KUMAR D NATIKAR
EMP ID :2576955
SOURCE CODE
public void setVaccinationCenter(VaccineCenter vaccinationCenter) {    this.vaccinationCenter =
vaccinationCenter;
}
}
User.java:
package com.ecommerce.entity;
import jakarta.persistence.Column;
import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue; import
jakarta.persistence.GenerationType; import
jakarta.persistence.ld;
import jakarta.persistence.Table;
@Entity
@Table(name = "users") public class
User {
```

EMP ID :2576955

```
SOURCE CODE
@Id
@GeneratedValue(strategy = GenerationType.IDENTITY) private Long id;
@Column(nullable = false, unique = true) private String
username;
@Column(nullable = false, unique = true) private String
email;
@Column(nullable = false) private String
password;
public User() {
}
public User(String username, String email, String password) {
this.username = username; this.password = password; this.email = email;
}
public Long getId() { return id;
```

KIRAN KUMAR D NATIKAR EMP ID :2576955 **SOURCE CODE** } public void setId(Long id) { this.id = id; } public String getUsername() { return username; } public void setUsername(String username) { this.username = username; } public String getEmail() { return email; }

public void setEmail(String email) { this.email = email;

public String getPassword() { return

}

password;

```
KIRAN KUMAR D NATIKAR
EMP ID :2576955
SOURCE CODE
public void setPassword(String password) { this.password = password;
}
}
VaccineCenter.java:
package com.ecommerce.entity;
import jakarta.persistence.Column;
import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue; import
jakarta.persistence.GenerationType; import
jakarta.persistence.ld;
import jakarta.persistence.Table;
@Entity
@Table(name = "vaccine_centers") public class
VaccineCenter {
@Id
@GeneratedValue(strategy = GenerationType.IDENTITY) private Long id;
```

EMP ID :2576955

SOURCE CODE

```
@Column(name = "center") private String
center;
@Column(name = "city") private String
city;
public VaccineCenter() {
// Default constructor required by JPA
}
public VaccineCenter(String center, String city) {
this.center = center; this.city = city;
}
public Long getId() { return id;
}
public void setId(Long id) { this.id = id;
}
```

```
KIRAN KUMAR D NATIKAR
EMP ID: 2576955
SOURCE CODE
public String getCenter() { return center;
}
com.ecommerce.repository:
CitizenRepository.java:
package com.ecommerce.repository;
import java.util.List;
import org.springframework.data.jpa.repository.JpaRepository;
import com.ecommerce.entity.Citizen;
import com.ecommerce.entity.VaccineCenter;
public interface CitizenRepository extends JpaRepository<Citizen, Long> {
List<Citizen> findByVaccinationCenter(VaccineCenter vaccinationCenter);
}
```

KIRAN KUMAR D NATIKAR EMP ID :2576955 **SOURCE CODE UserRepository.java:** package com.ecommerce.repository; import org.springframework.data.jpa.repository.JpaRepository; import com.ecommerce.entity.User; public interface UserRepository extends JpaRepository<User, Long> { User findByUsername(String username); } VaccineCenterRepository.java: package com.ecommerce.repository; import org.springframework.data.jpa.repository.JpaRepository; import com.ecommerce.entity.VaccineCenter; public interface VaccineCenterRepository extends JpaRepository<VaccineCenter, Long> { // Add custom query methods if needed } com.ecommerce.service CitizenService.java:

KIRAN KUMAR D NATIKAR EMP ID: 2576955 **SOURCE CODE** package com.ecommerce.service; import java.util.List; import com.ecommerce.entity.Citizen; import com.ecommerce.entity.VaccineCenter; public interface CitizenService { void addCitizen(Citizen citizen); void updateCitizen(Citizen citizen); void deleteCitizen(Long id); Citizen getCitizenById(Long id); List<Citizen> getAllCitizens();

List<Citizen> getCitizensByVaccinationCenter(VaccineCenter vaccineCenter);

}

KIRAN KUMAR D NATIKAR EMP ID :2576955 SOURCE CODE CitizenServiceImpl.java: package com.ecommerce.service; import java.util.List; import org.springframework.beans.factory.annotation.Autowired; import org.springframework.stereotype.Service; import com.ecommerce.entity.Citizen; import com.ecommerce.entity.VaccineCenter; import com.ecommerce.repository.CitizenRepository; @Service public class CitizenServiceImpl implements CitizenService { @Autowired private CitizenRepository citizenRepository; @Override public void addCitizen(Citizen citizen) { citizenRepository.save(citizen); }

```
EMP ID :2576955
```

```
SOURCE CODE
      @Override
      }
      @Override
      public void deleteCitizen(Long id) {
                                          citizenRepository.deleteById(id);
      }
      @Override
      public Citizen getCitizenById(Long id) {
            return citizenRepository.findById(id).orElseThrow(() -> new
NotFoundException("Citizen not found"));
      }
      @Override
      public List<Citizen> getAllCitizens() {
return citizenRepository.findAll();
      }
      @Override
      public List<Citizen> getCitizensByVaccinationCenter(VaccineCenter vaccineCenter) {
```

```
EMP ID: 2576955
SOURCE CODE
              return citizenRepository.findByVaccinationCenter(vaccineCenter);
       }
       public class NotFoundException extends RuntimeException {
              public NotFoundException(String message) {
                     super(message);
              }
       }
}
UserService.java:
package com.ecommerce.service;
import org.springframework.stereotype.Service;
import com.ecommerce.entity.User;
import com.ecommerce.repository.UserRepository;
@Service
public class UserService {
private final UserRepository userRepository;
```

KIRAN KUMAR D NATIKAR EMP ID :2576955 **SOURCE CODE** public UserService(UserRepository userRepository) { this.userRepository = userRepository; } public void registerUser(User user) { userRepository.save(user); } VaccineCenterService.java: package com.ecommerce.service; import java.util.List; import com.ecommerce.entity.VaccineCenter; public interface VaccineCenterService { VaccineCenter addVaccineCenter(VaccineCenter vaccineCenter); void updateVaccineCenter(VaccineCenter updatedVaccineCenter);

void deleteVaccineCenter(Long id);

```
KIRAN KUMAR D NATIKAR
EMP ID :2576955
SOURCE CODE
VaccineCenter getVaccineCenterById(Long id);
List<VaccineCenter> getAllVaccineCenters();
}
VaccineCenterServiceImpl.java:
package com.ecommerce.service;
import java.util.List;
import org.springframework.stereotype.Service;
import com.ecommerce.entity.VaccineCenter;
import com.ecommerce.repository.VaccineCenterRepository;
@Service
public class VaccineCenterServiceImpl implements VaccineCenterService { private final
VaccineCenterRepository vaccineCenterRepository;
public VaccineCenterServiceImpl(VaccineCenterRepository vaccineCenterRepository) {
this.vaccineCenterRepository = vaccineCenterRepository;
}
```

```
EMP ID :2576955
SOURCE CODE
@Override
public VaccineCenter addVaccineCenter(VaccineCenter vaccineCenter) { return
vaccineCenterRepository.save(vaccineCenter);
}
@Override
public void updateVaccineCenter(VaccineCenter updatedVaccineCenter) { VaccineCenter
existingCenter =
vaccineCenterRepository.findById(updatedVaccineCenter.getId())
.orElseThrow(() -> new NotFoundException("Vaccine center not found"));
existingCenter.setCenter(updatedVaccineCenter.getCenter());
existingCenter.setCity(updatedVaccineCenter.getCity());
vaccineCenterRepository.save(existingCenter);
}
@Override
public void deleteVaccineCenter(Long id) {
VaccineCenter existingCenter = vaccineCenterRepository.findById(id)
```

.orElseThrow(() -> new NotFoundException("Vaccine center not found"));

```
EMP ID :2576955
SOURCE CODE
vaccineCenterRepository.delete(existingCenter);
}
@Override
public VaccineCenter getVaccineCenterById(Long id) { return
vaccineCenterRepository.findById(id)
.orElseThrow(() -> new NotFoundException("Vaccine center not found"));
}
@Override
public List<VaccineCenter> getAllVaccineCenters() { return
vaccineCenterRepository.findAll();
}
public class NotFoundException extends RuntimeException { public
NotFoundException(String message) { super(message);
} }
}
```

KIRAN KUMAR D NATIKAR EMP ID :2576955 **SOURCE CODE HTML CODE:** error page <!DOCTYPE html> <html> <head> <title>Error - Vaccination Project</title> <link rel="stylesheet"</pre> href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"> </head> <body> <div class="container"> <h1 class="mt-4">Error</h1> <div class="alert alert-danger" role="alert"> Invalid username or password. Please try again or register. </div>

Register

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script> <script</pre>

Try Again

</div>

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SOURCE CODE

```
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" ></script>
</body>
</html>
```

login page

```
<!DOCTYPE html>
<html>
<head>
<title>Login - Vaccination Project</title>
<link rel="stylesheet"</pre>
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min. css">
</head>
<body>
<div class="container">
<h1 class="mt-4">Login</h1>
<form action="/login" method="POST">
<div class="form-group">
<label for="username">Username:</label>
<input type="text" class="form-control" id="username" name="username" required>
</div>
```

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SOURCE CODE <div class="form-group"> <label for="password">Password:</label> <input type="password" class="form-control" id="password" name="password" required> </div> <button type="submit" class="btn btn-primary">Login</button> </form> Don't have an account? Register here. </div> <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script> <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@1.16.1/dist/umd/popper.</pre> min.js"></script> <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" ></script> </body> </html> Register page: <!DOCTYPE html> <html> <head>

```
EMP ID :2576955
SOURCE CODE
<title>Register - Vaccination Project</title>
<link rel="stylesheet"</pre>
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min. css">
</head>
<body>
<div class="container">
<h1 class="mt-4">Register</h1>
<form action="/register" method="POST">
<div class="form-group">
<label for="username">Username:</label>
<input type="text" class="form-control" id="username" name="username" required>
</div>
<div class="form-group">
<label for="email">Email:</label>
<input type="email" class="form-control" id="email" name="email" required> </div>
<div class="form-group">
<label for="password">Password:</label>
<input type="password" class="form-control" id="password" name="password" required>
</div>
```

<button type="submit" class="btn btn-primary">Register</button>

</form>

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```
source code
Already have an account? <a href="/">Login here</a>. </div>
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@1.16.1/dist/umd/popper.min.js"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</script>
</body>
</html>
```

Add Citizen Details:

```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
<head>
<tittle>Add Citizen</title> <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min. css">
</head>
<body>
<div class="container">
<h1 class="mt-4">Add Citizen</h1>
<form action="/citizens/add" method="POST">
<div class="form-group">
```

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```
SOURCE CODE
<label for="name">Name:</label>
<input type="text" class="form-control" id="name" name="name" required> </div>
<div class="form-group">
<label for="city">City:</label>
<input type="text" class="form-control" id="city" name="city" required> </div>
<div class="form-group">
<label for="noOfDoses">No. of Doses:</label>
<select class="form-control" id="noOfDoses" name="noOfDoses" required>
<option value="0">0</option> <option</pre>
value="1">1</option> <option
value="2">2</option>
</select>
</div>
<div class="form-group">
<label for="vaccinationStatus">Vaccination Status:</label>
<input type="text" class="form-control" id="vaccinationStatus"
name="vaccinationStatus" required readonly>
</div>
<script>
```

const noOfDosesSelect = document.getElementById('noOfDoses'); const

vaccinationStatusInput = document.getElementById('vaccinationStatus');

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SOURCE CODE

```
noOfDosesSelect.addEventListener('change', function() {    const
selectedDoses = parseInt(noOfDosesSelect.value);
if (selectedDoses === 0) {
vaccinationStatusInput.value = 'Not Vaccinated';
} else if (selectedDoses === 1) {
vaccinationStatusInput.value = 'One Vaccinated';
} else if (selectedDoses === 2) {
vaccinationStatusInput.value = 'Fully Vaccinated';
}
});
</script>
<div class="form-group">
<label for="vaccineCenterId">Vaccine Center:</label>
<select class="form-control" id="vaccineCenterId" name="vaccineCenterId" required>
<!-- Populate the options with available Vaccine Centers -->
<option th:each="vaccineCenter: ${vaccineCenters}" th:value="${vaccineCenter.id}"</pre>
th:text="${vaccineCenter.center}"></option>
</select>
</div>
```

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```
source code
<button type="submit" class="btn btn-primary">Add Citizen</button>

<a href="/citizens" class="btn btn-secondary">Back</a>
</form>
</div>
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
<script

src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" ></script>
</body>
</html>
```

Add Vaccine Center

```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
<head>
<title>Add Vaccination Center</title>
link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min. css">
</head>
<body>
<div class="container">
```

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```
SOURCE CODE
<h1 class="mt-4">Add Vaccination Center</h1>
<form th:action="@{/vaccine-centers/add}" method="POST">
<div class="form-group">
<label for="center">Center:</label>
<input type="text" class="form-control" id="center" name="center" required> </div>
<div class="form-group">
<label for="city">City:</label>
<input type="text" class="form-control" id="city" name="city" required>
</div>
<button type="submit" class="btn btn-primary">Submit</button>
</form>
</div>
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" ></script>
</body>
</html>
```

Citizen Details:

EMP ID :2576955

```
SOURCE CODE
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
<head>
<title>Citizen Details</title> <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
</head>
<body>
<div class="container">
<h1 class="mt-4">Citizen Details</h1>
<a href="/citizens/add" class="btn btn-success">Add Citizen</a>
<a href="/vaccine-centers" class="btn btn-secondary">Back to
Home</a><br><br>
<thead>
ID
Name
City
No. of Doses
Vaccination Status
Vaccination Center
```

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```
SOURCE CODE
Actions
</thead>
<a th:href="@{/citizens/{id}(id=${citizen.id})}" class="btn btnprimary">View</a>
<a th:href="@{/citizens/{id}/edit(id=${citizen.id})}" class="btn btnsecondary">Edit</a>
<a th:href="@{/citizens/{id}/delete(id=${citizen.id})}" class="btn btndanger">Delete</a>
<h6 style="text-align:left;"><strong>Total </strong><strong th:text="${#lists.size(citizens)}
"></strong><strong> Citizens found</strong></h6>
```

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```
SOURCE CODE
```

```
</div>
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script> <script

src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" ></script>
</body>
</html>
```

Edit Citizen:

```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
<head>
<tittle>Edit Citizen</title> <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min. css">
</head>
<body>
<div class="container">
<h1 class="mt-4">Edit Citizen</h1>
<form th:action="@{/citizens/{id}/edit(id=${citizen.id})}" method="POST">
<div class="form-group">
<label for="name">Name:</label></a>
```

EMP ID: 2576955

```
SOURCE CODE
```

```
<input type="text" class="form-control" id="name" name="name" th:value="${citizen.name}"
required>
</div>
<div class="form-group">
<label for="city">City:</label>
<input type="text" class="form-control" id="city" name="city"
th:value="${citizen.city}" required>
</div>
<div class="form-group">
<label for="noOfDoses">No. of Doses:</label>
<select class="form-control" id="noOfDoses" name="noOfDoses" required>
<option value="0" th:selected="${citizen.noOfDoses == 0}">0</option> <option value="1"</pre>
th:selected="${citizen.noOfDoses == 1}">1</option> <option value="2"
th:selected="${citizen.noOfDoses == 2}">2</option>
</select>
</div>
<div class="form-group">
<label for="vaccinationStatus">Vaccination Status:</label>
<input type="text" class="form-control" id="vaccinationStatus" name="vaccinationStatus"
th:value="${citizen.vaccinationStatus}" required readonly>
</div>
```

EMP ID :2576955

```
SOURCE CODE
<div class="form-group">
<label for="vaccineCenterId">Vaccine Center:</label>
<select class="form-control" id="vaccineCenterId" name="vaccineCenterId" required>
<!-- Populate the options with available Vaccine Centers -->
<option th:each="vaccineCenter:${vaccineCenters}" th:value="${vaccineCenter.id}"</pre>
th:text="${vaccineCenter.center}" th:selected="${vaccineCenter.id ==
citizen.vaccinationCenter.id}"></option>
</select>
</div>
<button type="submit" class="btn btn-primary">Update Citizen</button>
<a href="/citizens" class="btn btn-secondary">Back</a>
</form>
</div>
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" ></script>
<script>
const noOfDosesSelect = document.getElementById('noOfDoses'); const
```

vaccinationStatusInput = document.getElementById('vaccinationStatus');

```
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SOURCE CODE
noOfDosesSelect.addEventListener('change', function() { const
selectedDoses = parseInt(noOfDosesSelect.value);
if (selectedDoses === 0) {
vaccinationStatusInput.value = 'Not Vaccinated';
} else if (selectedDoses === 1) {
vaccinationStatusInput.value = 'One Vaccinated';
} else if (selectedDoses === 2) {
vaccinationStatusInput.value = 'Fully Vaccinated';
```

});

}

</script>

</body>

</html>

Edit Vaccine Center:

```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
<head>
<title>Edit Vaccine Center</title>
```

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```
SOURCE CODE
<link rel="stylesheet"</pre>
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
</head>
<body>
<div class="container">
<h1 class="mt-4">Edit Vaccine Center</h1>
<form th:action="@{/vaccine-centers/{id}/edit(id=${vaccineCenter.id})}" method="POST">
<div class="form-group">
<label for="center">Center:</label>
<input type="text" class="form-control" id="center"
th:field="${vaccineCenter.center}" required>
</div>
<div class="form-group">
<label for="city">City:</label>
<input type="text" class="form-control" id="city" th:field="${vaccineCenter.city}" required>
</div>
<!-- Add other fields as needed -->
<button type="submit" class="btn btn-primary">Update Vaccine Center</button>
</form>
</div>
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
<script
```

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SOURCE CODE

src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" ></script>
</body>
</html>

Vaccine Center Details:

```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
<head>
<title>Vaccination Center Details</title>
<link rel="stylesheet"</pre>
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min. css">
<style>
/* Styles here */
</style>
</head>
<body>
<div class="container">
<h1 class="mt-4">Welcome to Vaccination Center</h1>
<a href="/citizens" style="color: #007bff;">Go to Citizen Details</a>
```

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```
SOURCE CODE
<a href="/" style="color: #dc3545;">Logout</a>
<hr>
<h2 class="mt-4">Vaccination Center Details</h2>
<a th:href="@{/vaccine-centers/add}" class="btn btn-primary mb-4">Add Vaccination
Center</a>
<thead>
ID
Center
City
Actions
</thead>
<!-- Loop through the vaccination centers and display their details -->
```

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```
SOURCE CODE
<a th:href="@{/vaccine-centers/{id}(id=${vaccineCenter.id})}" class="btn btn
primary">View</a>
<a th:href="@{/vaccine-centers/{id}/edit(id=${vaccineCenter.id})}" class="btn btn
secondary">Edit</a>
<a th:href="@{/vaccine-centers/{id}/delete(id=${vaccineCenter.id})}" class="btn btn"
danger">Delete</a>
<h6 style="text-align:left;"><strong>Total </strong><strong
th:text="${#lists.size(vaccineCenters)} "></strong><strong> Vaccination Center
found</strong></h6>
</div>
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" ></script>
</body>
</html>
```

View Vaccine Center:

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SOURCE CODE

```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
<head>
<title>Vaccination Center Details</title>
<link rel="stylesheet"</pre>
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min. css">
</head>
<body>
<div class="container">
<h1 class="mt-4">Vaccination Center Details</h1>
<hr>
<h2 class="mt-4">Vaccination Center</h2>
<thead>
ID
Center
City
</thead>
```

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```
SOURCE CODE
<h2 class="mt-4">Associated Citizens</h2>
<thead>
ID
Name
City
No. of Doses
Vaccination Status
</thead>
```

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```
SOURCE CODE
<a href="/vaccine-centers" class="btn btn-secondary">Back to Vaccination Centers</a>
</div>
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" ></script>
</body>
</html>
View Citizen:
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
<head>
```

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<script

SOURCE CODE <title>View Citizen</title> <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"> </head> <body> <div class="container"> <h1 class="mt-4">Citizen Details</h1> <div class="card"> <div class="card-body"> <h5 class="card-title">Name: </h5> <h6 class="card-subtitle mb-2 text-muted">City: </h6> No. of Doses: <span</pre> th:text="\${citizen.noOfDoses}"> <p class="cardtext">Vaccination Status: <p class="card-text">Vaccine Center: </div> </div> Back </div> <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

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SOURCE CODE

src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" ></script>
</body>
</html>

Application Properties:

```
spring.datasource.url=jdbc:mysql://localhost:3306/vaccination?useSSL=false &serverTimezone=UTC spring.datasource.username=root spring.datasource.password=Kiran@1312 spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQL8Dialect spring.jpa.show-sql=true spring.jpa.hibernate.ddl-auto=update server.port=3008
```

pom.xml:

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SOURCE CODE

```
</parent>
<groupId>com.example
<artifactId>Vaccination Centre</artifactId>
<version>0.0.1-SNAPSHOT</version>
<name>Vaccination Centre</name>
<description>Demo project for Spring Boot</description>
cproperties>
      <java.version>17</java.version>
</properties>
<dependencies>
      <dependency>
            <groupId>org.springframework.boot
            <artifactId>spring-boot-starter-data-jpa</artifactId>
      </dependency>
      <dependency>
            <groupId>org.springframework.boot
            <artifactId>spring-boot-starter-thymeleaf</artifactId>
      </dependency>
      <dependency>
            <groupId>org.springframework.boot
            <artifactId>spring-boot-starter-web</artifactId>
      </dependency>
      <dependency>
            <groupId>org.springframework.boot
            <artifactId>spring-boot-devtools</artifactId>
            <scope>runtime</scope>
            <optional>true
      </dependency>
      <dependency>
            <groupId>com.mysql</groupId>
            <artifactId>mysql-connector-j</artifactId>
            <scope>runtime</scope>
      </dependency>
      <dependency>
            <groupId>org.springframework.boot
            <artifactId>spring-boot-starter-test</artifactId>
            <scope>test</scope>
      </dependency>
</dependencies>
<build>
```

```
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```

```
SOURCE CODE
```

</project>