

# SCREENSHOT

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/java/com/ecommerce/controller/CitizenController.java - Spring Tool Suite 4

```
1 package com.ecommerce.controller;
2
3 import org.springframework.beans.factory.annotation.Autowired;
4
5 @Controller
6 @RequestMapping("/citizens")
7 public class CitizenController {
8
9     @Autowired
10    private CitizenService citizenService;
11
12    @Autowired
13    private VaccineCenterService vaccineCenterService;
14
15 }
```

The screenshot shows the Spring Tool Suite interface with the project 'SPRING\_VACCINE\_CERTIFICATE' open. The 'Project Explorer' view on the left lists the project structure, including 'src/main/java' and 'src/main/resources'. The 'CitizenController.java' file is selected in the center editor, displaying Java code for a REST controller. The code imports necessary packages, defines a controller with a specific mapping, and autowires two services: 'CitizenService' and 'VaccineCenterService'. The status bar at the bottom right shows the date and time.

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/java/com/ecommerce/controller/UserController.java - Spring Tool Suite 4

```
1 package com.ecommerce.controller;
2
3 import org.springframework.beans.factory.annotation.Autowired;
4
5 @Controller
6 @RequestMapping("/")
7 public class UserController {
8
9     @Autowired
10    private UserService userService;
11
12 }
```

This screenshot shows the 'UserController.java' file in the Spring Tool Suite editor. The code defines a controller mapped to the root URL ('/'). It autowires a 'UserService' dependency. The project structure in the 'Project Explorer' view remains the same as the first screenshot, showing the 'SPRING\_VACCINE\_CERTIFICATE' project with its Java files and resources.

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/java/com/ecommerce/controller/VaccineCenterController.java - Spring Tool Suite 4

```
1 package com.ecommerce.controller;
2
3 import org.springframework.beans.factory.annotation.Autowired;
4
5 @Controller
6 @RequestMapping("/vaccine-centers")
7 public class VaccineCenterController {
8
9     @Autowired
10    private VaccineCenterService vaccineCenterService;
11
12    @Autowired
13    private CitizenService citizenService;
14
15 }
```

Project Explorer

- SPRING\_VACCINE\_CERTIFICATE [boot] [devtools]
  - Deployment Descriptor: SPRING\_VACCINE\_CERTIFICATE
  - Java Resources
    - src/main/java
      - com
        - ecommerce
          - controller
            - CitizenController.java
            - UserController.java
            - VaccineCenterController.java
          - entity
            - Citizen.java
            - User.java
            - VaccineCenter.java
          - repository
            - CitizenRepository.java
            - UserRepository.java
            - VaccineCenterRepository.java
          - service
            - CitizenService.java
            - CitizenServiceImpl.java
            - UserService.java
            - VaccineCenterService.java
            - VaccineCenterServiceImpl.java
          - example.demo
            - ServletInitializer.java
            - SpringVaccineCertificateApplication.java
        - src/main/resources
          - static
          - templates

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/java/com/ecommerce/entity/Citizen.java - Spring Tool Suite 4

```
1 package com.ecommerce.entity;
2
3 import jakarta.persistence.Entity;
4
5 @Entity
6 @Table(name = "citizens")
7 public class Citizen {
8
9     @Id
10    @GeneratedValue(strategy = GenerationType.IDENTITY)
11    private Long id;
12
13    private String name;
14    private String city;
15    private int noOfDoses;
16    private String vaccinationStatus;
17
18    public Long getId() {
19        return id;
20    }
21
22    public void setId(Long id) {
23        this.id = id;
24    }
25
26    public String getName() {
27        return name;
28    }
29
30    public void setName(String name) {
31        this.name = name;
32    }
33
34
35
36
37
38
39
40
41 }
```

Project Explorer

- SPRING\_VACCINE\_CERTIFICATE [boot] [devtools]
  - Deployment Descriptor: SPRING\_VACCINE\_CERTIFICATE
  - Java Resources
    - src/main/java
      - com
        - ecommerce
          - controller
            - CitizenController.java
            - UserController.java
            - VaccineCenterController.java
          - entity
            - Citizen.java
            - User.java
            - VaccineCenter.java
          - repository
            - CitizenRepository.java
            - UserRepository.java
            - VaccineCenterRepository.java
          - service
            - CitizenService.java
            - CitizenServiceImpl.java
            - UserService.java
            - VaccineCenterService.java
            - VaccineCenterServiceImpl.java
          - example.demo
            - ServletInitializer.java
            - SpringVaccineCertificateApplication.java
        - src/main/resources
          - static
          - templates

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/java/com/ecommerce/entity/User.java - Spring Tool Suite 4

```
File Edit Refactor Source Source Navigate Search Project Run Window Help
Project Explorer * CitizenCon... *UserContro... *VaccineCen... edit-vaccin... User.java *Citizen.java citizen-det... edit-citize...
src/main/java
  SPRING_VACCINE_CERTIFICATE [boot] [devtools]
    Deployment Descriptor: SPRING_VACCINE_CERTIFICATE
    Java Resources
      src/main/java
        com
          ecommerce
            controller
              CitizenController.java
              UserController.java
              VaccineCenterController.java
            entity
              Citizen.java
              User.java
              VaccineCenter.java
            repository
              CitizenRepository.java
              UserRepository.java
              VaccineCenterRepository.java
            service
              CitizenService.java
              CitizenServiceImpl.java
              UserService.java
              VaccineCenterService.java
              VaccineCenterServiceImpl.java
            example.demo
              ServletInitializer.java
              SpringVaccineCertificateApplication.java
        src/main/resources
          static
          templates
  *CitizenCon... *UserContro... *VaccineCen... edit-vaccin... User.java *Citizen.java citizen-det... edit-citize...
  1 package com.ecommerce.entity;
  2
  3 import jakarta.persistence.Column;
  4
  5 @Entity
  6 @Table(name = "users")
  7 public class User {
  8     @Id
  9     @GeneratedValue(strategy = GenerationType.IDENTITY)
 10     private Long id;
 11
 12     @Column(nullable = false, unique = true)
 13     private String username;
 14
 15     @Column(nullable = false, unique = true)
 16     private String email;
 17
 18     @Column(nullable = false)
 19     private String password;
 20
 21     public Long getId() {
 22         return id;
 23     }
 24
 25     public void setId(Long id) {
 26         this.id = id;
 27     }
 28
 29     public String getUsername() {
 30         return username;
 31     }
 32
 33     public String getEmail() {
 34         return email;
 35     }
 36
 37     public String getPassword() {
 38         return password;
 39     }
 40 }
```

Servers Console x  
No consoles to display at this time.

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workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/java/com/ecommerce/entity/VaccineCenter.java - Spring Tool Suite 4

```
File Edit Refactor Source Source Navigate Search Project Run Window Help
Project Explorer * CitizenCon... *UserContro... *VaccineCen... edit-vaccin... *VaccineCen... User.java *Citizen.java citizen-det... edit-citize...
src/main/java
  SPRING_VACCINE_CERTIFICATE [boot] [devtools]
    Deployment Descriptor: SPRING_VACCINE_CERTIFICATE
    Java Resources
      src/main/java
        com
          ecommerce
            controller
              CitizenController.java
              UserController.java
              VaccineCenterController.java
            entity
              Citizen.java
              User.java
              VaccineCenter.java
            repository
              CitizenRepository.java
              UserRepository.java
              VaccineCenterRepository.java
            service
              CitizenService.java
              CitizenServiceImpl.java
              UserService.java
              VaccineCenterService.java
              VaccineCenterServiceImpl.java
            example.demo
              ServletInitializer.java
              SpringVaccineCertificateApplication.java
        src/main/resources
          static
          templates
  *CitizenCon... *UserContro... *VaccineCen... edit-vaccin... *VaccineCen... User.java *Citizen.java citizen-det... edit-citize...
  1 package com.ecommerce.entity;
  2
  3 import jakarta.persistence.Entity;
  4
  5 @Entity
  6 @Table(name = "vaccine_centers")
  7 public class VaccineCenter {
  8     @Id
  9     @GeneratedValue(strategy = GenerationType.IDENTITY)
 10     private Long id;
 11
 12     private String Center;
 13     private String City;
 14
 15     public Long getId() {
 16         return id;
 17     }
 18
 19     public void setId(Long id) {
 20         this.id = id;
 21     }
 22
 23     public String getCenter() {
 24         return Center;
 25     }
 26
 27     public void setCenter(String center) {
 28         Center = center;
 29     }
 30
 31     public String getCity() {
 32         return City;
 33     }
 34
 35     public void setCity(String city) {
 36         City = city;
 37     }
 38 }
```

Servers Console x  
No consoles to display at this time.

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workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/java/com/ecommerce/repository/CitizenRepository.java - Spring Tool Suite 4

```
1 package com.ecommerce.repository;
2
3 import java.util.List;
4
5 public interface CitizenRepository extends JpaRepository<Citizen, Long> {
6     List<Citizen> findByVaccinationCenter(VaccineCenter vaccinationCenter);
7 }
```

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/java/com/ecommerce/repository/UserRepository.java - Spring Tool Suite 4

```
1 package com.ecommerce.repository;
2
3 import org.springframework.data.jpa.repository.JpaRepository;
4
5 public interface UserRepository extends JpaRepository<User, Long> {
6     User findByUsername(String username);
7 }
```

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/java/com/ecommerce/repository/VaccineCenterRepository.java - Spring Tool Suite 4

```
1 package com.ecommerce.repository;
2
3 import org.springframework.data.jpa.repository.JpaRepository;
4
5 public interface VaccineCenterRepository extends JpaRepository<VaccineCenter, Long> {}
```

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/java/com/ecommerce/service/CitizenService.java - Spring Tool Suite 4

```
1 package com.ecommerce.service;
2
3 import java.util.List;
4
5 public interface CitizenService {
6     void addCitizen(Citizen citizen);
7
8     void updateCitizen(Citizen citizen);
9
10    void deleteCitizen(Long id);
11
12    Citizen getCitizenById(Long id);
13
14    List<Citizen> getAllCitizens();
15
16    List<Citizen> getCitizensByVaccinationCenter(VaccineCenter vaccineCenter);
17
18}
```

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/java/com/ecommerce/service/CitizenServiceImpl.java - Spring Tool Suite 4

```
1 package com.ecommerce.service;
2 import org.springframework.beans.factory.annotation.Autowired;
3
4 @Service
5 public class CitizenServiceImpl implements CitizenService {
6
7     // Inject CitizenRepository
8     @Autowired
9     private CitizenRepository citizenRepository;
10
11     @Override
12     public void addCitizen(Citizen citizen) {
13         citizenRepository.save(citizen);
14     }
15
16     @Override
17     public void updateCitizen(Citizen citizen) {
18         citizenRepository.save(citizen);
19     }
20
21     @Override
22     public void deleteCitizen(Long id) {
23         citizenRepository.deleteById(id);
24     }
25
26     @Override
27     public Citizen getCitizenById(Long id) {
28         return citizenRepository.findById(id)
29             .orElseThrow(() -> new NotFoundException("Citizen not found"));
30     }
31
32 }
```

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/java/com/ecommerce/service/UserService.java - Spring Tool Suite 4

```
1 package com.ecommerce.service;
2 import org.springframework.beans.factory.annotation.Autowired;
3
4 @Service
5 public class UserService {
6
7     // Inject UserRepository
8     @Autowired
9     private UserRepository userRepository;
10
11     public void registerUser(User user) {
12         userRepository.save(user);
13     }
14
15 }
```

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/java/com/ecommerce/service/VaccineCenterService.java - Spring Tool Suite 4

```
1 package com.ecommerce.service;
2
3 import java.util.List;
4
5 public interface VaccineCenterService {
6     void addVaccineCenter(VaccineCenter vaccineCenter);
7
8     void updateVaccineCenter(VaccineCenter updatedVaccineCenter);
9
10    void deleteVaccineCenter(Long id);
11
12    VaccineCenter getVaccineCenterById(Long id);
13
14    List<VaccineCenter> getAllVaccineCenters();
15
16 }
17 }
```

Project Explorer

- SPRING\_VACCINE\_CERTIFICATE [boot] [devtools]
  - Deployment Descriptor: SPRING\_VACCINE\_CERTIFICATE
- Java Resources
  - src/main/java
    - com
      - ecommerce
        - controller
          - CitizenController.java
          - UserController.java
          - VaccineCenterController.java
        - entity
          - Citizen.java
          - User.java
          - VaccineCenter.java
        - repository
          - CitizenRepository.java
          - UserRepository.java
          - VaccineCenterRepository.java
        - service
          - CitizenService.java
          - CitizenServiceImpl.java
          - UserService.java
          - VaccineCenterService.java
          - VaccineCenterServiceImpl.java
        - example.demo
          - ServletInitializer.java
          - SpringVaccineCertificateApplication.java
    - src/main/resources
      - static
      - templates

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/java/com/ecommerce/service/VaccineCenterServiceImpl.java - Spring Tool Suite 4

```
1 package com.ecommerce.service;
2
3 import org.springframework.beans.factory.annotation.Autowired;
4
5 @Service
6 public class VaccineCenterServiceImpl implements VaccineCenterService {
7
8     // Inject VaccineCenterRepository
9     @Autowired
10    private VaccineCenterRepository vaccineCenterRepository;
11
12    @Override
13    public VaccineCenter addVaccineCenter(VaccineCenter vaccineCenter) {
14        return vaccineCenterRepository.save(vaccineCenter);
15    }
16
17    @Override
18    public void updateVaccineCenter(VaccineCenter updatedVaccineCenter) {
19        VaccineCenter existingCenter = vaccineCenterRepository.findById(updatedVaccineCenter.getId()).orElseThrow(() -> new NotFoundException("Vaccine center not found"));
20        existingCenter.setCenter(updatedVaccineCenter.getCenter());
21        existingCenter.setCity(updatedVaccineCenter.getCity());
22        vaccineCenterRepository.save(existingCenter);
23    }
24
25    @Override
26    public void deleteVaccineCenter(Long id) {
27        VaccineCenter existingCenter = vaccineCenterRepository.findById(id)
28            .orElseThrow(() -> new NotFoundException("Vaccine center not found"));
29
30        vaccineCenterRepository.delete(existingCenter);
31    }
32
33 }
```

Project Explorer

- SPRING\_VACCINE\_CERTIFICATE [boot] [devtools]
  - Deployment Descriptor: SPRING\_VACCINE\_CERTIFICATE
- Java Resources
  - src/main/java
    - com
      - ecommerce
        - controller
          - CitizenController.java
          - UserController.java
          - VaccineCenterController.java
        - entity
          - Citizen.java
          - User.java
          - VaccineCenter.java
        - repository
          - CitizenRepository.java
          - UserRepository.java
          - VaccineCenterRepository.java
        - service
          - CitizenService.java
          - CitizenServiceImpl.java
          - UserService.java
          - VaccineCenterService.java
          - VaccineCenterServiceImpl.java
        - example.demo
          - ServletInitializer.java
          - SpringVaccineCertificateApplication.java
    - src/main/resources
      - static
      - templates

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/java/com/example/demo/ServletInitializer.java - Spring Tool Suite 4

```
1 package com.example.demo;
2
3 import org.springframework.boot.builder.SpringApplicationBuilder;
4
5 public class ServletInitializer extends SpringBootServletInitializer {
6
7     @Override
8     protected SpringApplicationBuilder configure(SpringApplicationBuilder application) {
9         return application.sources(SpringVaccineCertificateApplication.class);
10    }
11 }
12
13 }
14
```

Project Explorer

- > **VaccineCenterController.java**
- < entity
  - > **Citizen.java**
  - > **User.java**
  - > **VaccineCenter.java**
- < repository
  - > **CitizenRepository.java**
  - > **UserRepository.java**
  - > **VaccineCenterRepository.java**
- < service
  - > **CitizenService.java**
  - > **CitizenServiceImpl.java**
  - > **UserService.java**
  - > **VaccineCenterService.java**
  - > **VaccineCenterServiceImpl.java**
- < example.demo
  - > **ServletInitializer.java**
  - > **SpringVaccineCertificateApplication.java**
- < src/main/resources
  - static
  - templates
  - > application.properties
- > src/test/java
- > target/generated-sources/annotations
- > target/generated-test-sources/test-annotations
- > Libraries

Deployed Resources

src

main

Java

Servers Console

No consoles to display at this time.

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workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/java/com/example/demo/SpringVaccineCertificateApplication.java - Spring Tool Suite 4

```
1 package com.example.demo;
2
3 import org.springframework.boot.SpringApplication;
4
5 @SpringBootApplication
6 public class SpringVaccineCertificateApplication {
7
8     public static void main(String[] args) {
9         SpringApplication.run(SpringVaccineCertificateApplication.class, args);
10    }
11 }
12
13 }
14
```

Project Explorer

- > **VaccineCenterController.java**
- < entity
  - > **Citizen.java**
  - > **User.java**
  - > **VaccineCenter.java**
- < repository
  - > **CitizenRepository.java**
  - > **UserRepository.java**
  - > **VaccineCenterRepository.java**
- < service
  - > **CitizenService.java**
  - > **CitizenServiceImpl.java**
  - > **UserService.java**
  - > **VaccineCenterService.java**
  - > **VaccineCenterServiceImpl.java**
- < example.demo
  - > **ServletInitializer.java**
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- < src/main/resources
  - static
  - templates
  - > application.properties
- > src/test/java
- > target/generated-sources/annotations
- > target/generated-test-sources/test-annotations
- > Libraries

Deployed Resources

src

main

Java

Servers Console

No consoles to display at this time.

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workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/resources/application.properties - Spring Tool Suite 4

```
server.port=8082
#jpa-hibernate
spring.jpa.hibernate.ddl-auto=create
spring.jpa.show-sql=true
spring.jpa.hibernate.dialect=org.hibernate.dialect.MySQLDialect
#datasource
spring.datasource.driver-class-name=com.mysql.jdbc.Driver
spring.datasource.url=jdbc:mysql://localhost:3306/vaccination
spring.datasource.username=root
spring.datasource.password=nareshrao
13
```

Project Explorer

- CitizenRepository.java
- UserRepository.java
- VaccineCenterRepository.java
- service
  - CitizenService.java
  - CitizenServiceImpl.java
  - UserService.java
  - VaccineCenterService.java
  - VaccineCenterServiceImpl.java
- example.demo
- ServletInitializer.java
- SpringVaccineCertificateApplication.java

src/main/resources

- static
- templates
  - application.properties
- src/test/java
- target/generated-sources/annotations
- target/generated-test-sources/test-annotations
- Libraries

Deployed Resources

src

main

- java
- resources
- webapp
  - add-citizen.html
  - add-vaccine-center.html
  - citizen-details.html
  - edit-citizen.html

Properties Source

Servers Console

13:1:361 10:18:28 PM 12/9/2023

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/webapp/add-citizen.html - Spring Tool Suite 4

```
<!DOCTYPE html>
<html xmlns="http://www.thymeleaf.org">
<head>
    <title>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">
                <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 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 />
            </div>
        </form>
    </div>
</body>
```

Project Explorer

- example.demo
- ServletInitializer.java
- SpringVaccineCertificateApplication.java

src/main/resources

- static
- templates
- application.properties

src/test/java

target/generated-sources/annotations

target/generated-test-sources/test-annotations

Libraries

Deployed Resources

src

main

- java
- resources
- webapp
  - add-citizen.html
  - add-vaccine-center.html
  - citizen-details.html
  - edit-vaccine-center.html
  - errorpage.html
  - login.html
  - register.html
  - vaccine-center-details.html
  - vaccine-center-view.html
  - view-citizen.html

Source Servers Console

16:1:3272 10:19:11 PM 12/9/2023

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/webapp/add-vaccine-center.html - Spring Tool Suite 4

```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
    <head>
        <title>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="#" method="POST">
                <div class="form-group">
                    <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 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 />
                </div>
            </form>
        </div>
    </body>

```

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/webapp/citizen-details.html - Spring Tool Suite 4

```
<!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="#">Add Citizen</a>
            <a href="#">Back to Home</a><br />
            <br />
            <table class="table">
                <thead>
                    <tr>
                        <th>ID</th>
                        <th>Name</th>
                        <th>City</th>
                        <th>No. of Doses</th>
                        <th>Vaccination Status</th>
                        <th>Vaccination Center</th>
                        <th>Actions</th>
                    </tr>
                </thead>
                <tbody>
                    <tr th:each="citizen : ${citizens}">
                        <td th:text="${citizen.id}"></td>
                        <td th:text="${citizen.name}"></td>
                        <td th:text="${citizen.city}"></td>
                        <td th:text="${citizen.noOfDoses}"></td>
                    </tr>
                </tbody>
            </table>
        </div>
    </body>

```

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/webapp/edit-citizen.html - Spring Tool Suite 4

```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
    <head>
        <title>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=${citizen.id})" method="POST">
                <div class="form-group">
                    <label for="name">Name:</label>
                    <input type="text" class="form-control" id="name" name="name" th:value="${citizen.name}">
                </div>
                <div class="form-group">
                    <label for="city">City:</label>
                    <input type="text" class="form-control" id="city" name="city" th:value="${citizen.city}">
                </div>
                <div class="form-group">
                    <label for="noOfDoses">No. of Doses:</label>
                    <select class="form-control" id="noOfDoses" name="noOfDoses" required>
                        <option value="0" th:selected="${citizen.noOfDoses == 0}"></option>
                        <option value="1" 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}">
                </div>
            </form>
        </div>
    </body>
</html>
```

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/webapp/edit-vaccine-center.html - Spring Tool Suite 4

```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
    <head>
        <title>Edit Vaccine Center</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 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}">
                </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 src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
    </body>
</html>
```

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/webapp/errorpage.html - Spring Tool Suite 4

File Edit Source Navigate Search Project Run Window Help

Project Explorer

- example.demo
- ServletInitializer.java
- SpringVaccineCertificateApplication.java
- src/main/resources
  - static
  - templates
- application.properties
- src/test/java
- target/generated-sources/annotations
- target/generated-test-sources/test-annotations
- Libraries
- Deployed Resources
- src
  - main
    - java
    - resources
  - webapp
    - add-citizen.html
    - add-vaccine-center.html
    - citizen-details.html
    - edit-citizen.html
    - edit-vaccine-center.html
    - errorpage.html
    - login.html
    - register.html
    - vaccine-center-details.html
    - vaccine-center-view.html
    - view-citizen.html
- test

Source

errorpage.html

```
<!DOCTYPE html>
<html>
    <head>
        <title>Error - Vaccination Project</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">Error</h1>
            <div class="alert alert-danger" role="alert">
                Invalid username or password. Please try again or register.
            </div>
            <a href="/register" class="btn btn-primary">Register</a>
            <a href="/" class="btn btn-secondary">Try Again</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>
```

Source

login.html

No consoles to display at this time.

Writable Smart Insert 20:1:818

ENG IN 10:20:56 PM 12/9/2023

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/webapp/login.html - Spring Tool Suite 4

File Edit Source Navigate Search Project Run Window Help

Project Explorer

- example.demo
- ServletInitializer.java
- SpringVaccineCertificateApplication.java
- src/main/resources
  - static
  - templates
- application.properties
- src/test/java
- target/generated-sources/annotations
- target/generated-test-sources/test-annotations
- Libraries
- Deployed Resources
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    - java
    - resources
  - webapp
    - add-citizen.html
    - add-vaccine-center.html
    - citizen-details.html
    - edit-citizen.html
    - edit-vaccine-center.html
    - errorpage.html
    - login.html
    - register.html
    - vaccine-center-details.html
    - vaccine-center-view.html
    - view-citizen.html
- test

Source

login.html

```
<!DOCTYPE html>
<html>
    <head>
        <title>Login - Vaccination Project</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">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>
                <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>
            <p class="mt-3">Don't have an account? <a href="/register">Register here</a>.</p>
        </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>
    </body>
</html>
```

Source

login.html

No consoles to display at this time.

Writable Smart Insert 28:1:1342

ENG IN 10:21:21 PM 12/9/2023

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/webapp/register.html - Spring Tool Suite 4

```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
    <head>
        <title>Register - Vaccination Project</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">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>
            <p class="mt-3">Already have an account? <a href="/">Login here</a>.</p>
        </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>
    </body>

```

Source

Servers Console

No consoles to display at this time.

Writable Smart Insert | 32 : 1 : 1603

ENG IN 10:21:47 PM 12/9/2023

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/webapp/vaccine-center-details.html - Spring Tool Suite 4

```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
    <head>
        <title>Vaccination Center Details</title>
        <link rel="stylesheet" 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>
            <ul>
                <li><a href="/citizens" style="color: #007bff;">Go to Citizen Details</a></li>
                <li><a href="/" style="color: #dc3545;">Logout</a></li>
            </ul>
            <br />
            <h2 class="mt-4">Vaccination Center Details</h2>
            <a th:href="@{/vaccine-centers/add}" class="btn btn-primary mb-4">Add Vaccination Center</a>
            <table class="table">
                <thead>
                    <tr>
                        <th>ID</th>
                        <th>Center</th>
                        <th>City</th>
                        <th>Actions</th>
                    </tr>
                </thead>
                <tbody id="vaccineCenterTableBody">
                    <!-- Loop through the vaccination centers and display their details -->
                    <tr>
                        <td>1</td>
                        <td>Central Health Center</td>
                        <td>New York City</td>
                        <td><a href="#">Edit</a> <a href="#">Delete</a></td>
                    </tr>
                </tbody>
            </table>
        </div>
    </body>

```

Source

Servers Console

No consoles to display at this time.

Writable Smart Insert | 49 : 1 : 2459

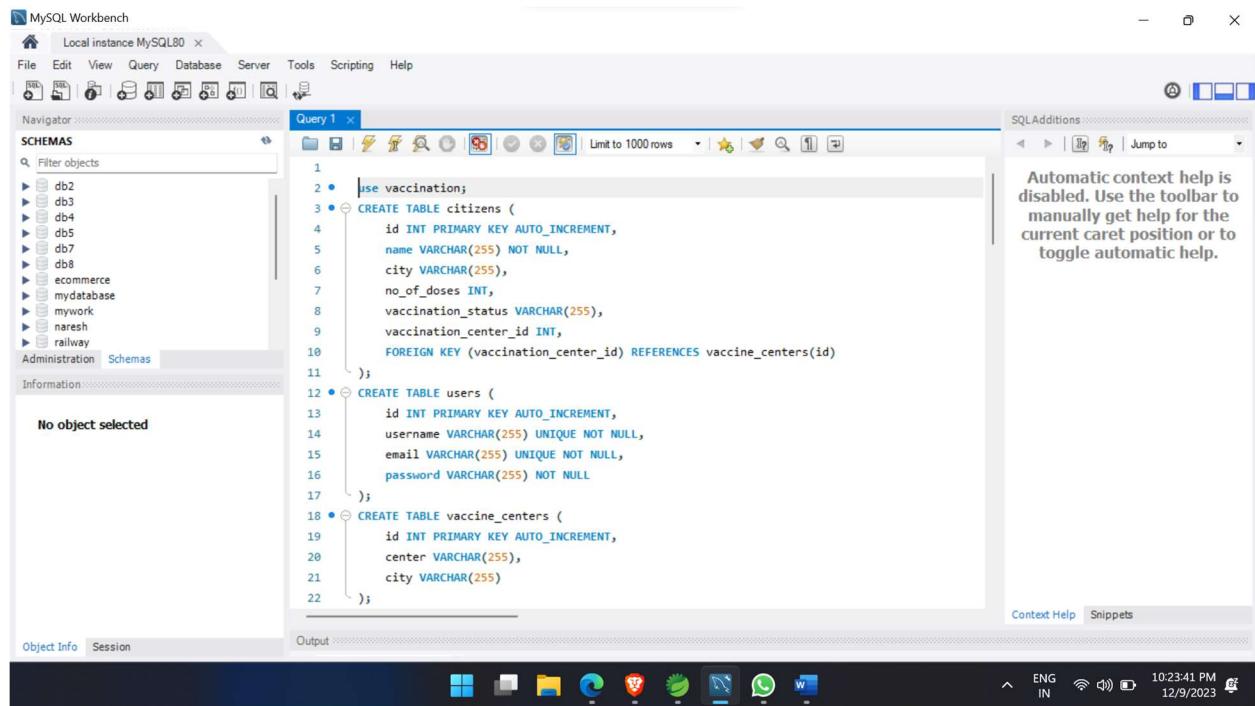
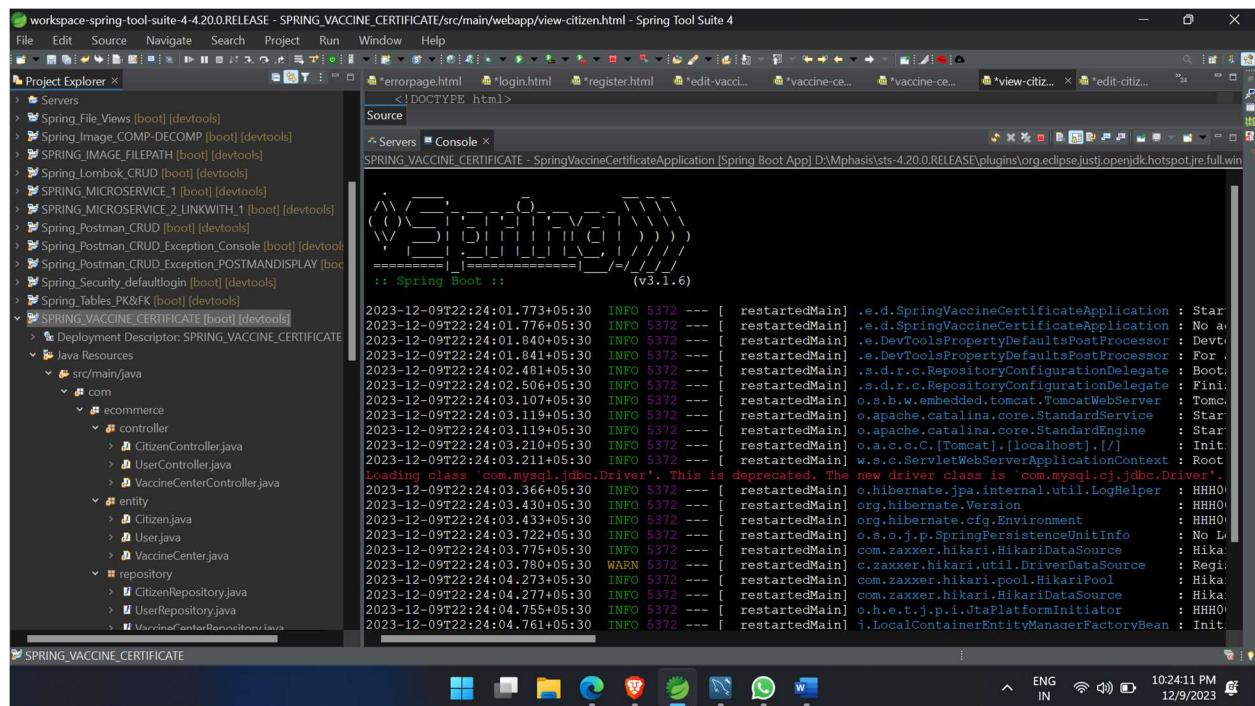
ENG IN 10:22:15 PM 12/9/2023

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/webapp/vaccine-center-view.html - Spring Tool Suite 4

```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
    <head>
        <title>Vaccination Center 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">Vaccination Center Details</h1>
            <hr />
            <h2 class="mt-4">Vaccination Center</h2>
            <table class="table">
                <thead>
                    <br>
                    <th>ID</th>
                    <th>Center</th>
                    <th>City</th>
                </thead>
                <tbody>
                    <tr>
                        <td th:text="${vaccineCenter.id}"></td>
                        <td th:text="${vaccineCenter.center}"></td>
                        <td th:text="${vaccineCenter.city}"></td>
                    </tr>
                </tbody>
            </table>
            <h2 class="mt-4">Associated Citizens</h2>
            <table class="table">
                <thead>
                    <br>
                    <th>Name</th>
                    <th>City</th>
                    <th>Doses</th>
                    <th>Status</th>
                </thead>
                <tbody>
                    <tr>
                        <td th:text="${citizen.name}"></td>
                        <td th:text="${citizen.city}"></td>
                        <td th:text="${citizen.noOfDoses}"></td>
                        <td th:text="${citizen.vaccinationStatus}"></td>
                    </tr>
                </tbody>
            </table>
        </div>
    </body>
</html>
```

workspace-spring-tool-suite-4-4.20.0.RELEASE - SPRING\_VACCINE\_CERTIFICATE/src/main/webapp/view-citizen.html - Spring Tool Suite 4

```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org">
    <head>
        <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: <span th:text="${citizen.name}"></span></h5>
                    <h6 class="card-subtitle mb-2 text-muted">City: <span th:text="${citizen.city}"></span></h6>
                    <p class="card-text">No. of Doses: <span th:text="${citizen.noOfDoses}"></span></p>
                    <p class="card-text">Vaccination Status: <span th:text="${citizen.vaccinationStatus}"></span></p>
                    <p class="card-text">Vaccine Center: <span th:text="${citizen.vaccinationCenter.centre}"></span></p>
                </div>
            </div>
            <a href="/citizens" class="btn btn-primary mt-4">Back</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>
```



Login - Vaccination Project

localhost:8082/login.html

# Login

Username:

Password:

[Login](#)

Don't have an account? [Register here.](#)

Register - Vaccination Project

localhost:8082/register.html

# Register

Username:

Email:

Password:

## Welcome to Vaccination Center

- [Go to Citizen Details](#)
- [Logout](#)

### Vaccination Center Details

[Add Vaccination Center](#)

ID	Center	City	Actions		
1	indukurupet	nellore	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
2	gangapatnam	nellore	<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Delete</a>

Total 2 Vaccination Center found

## Add Vaccination Center

Center:

nellore

City:

mypadu

[Submit](#)

### Vaccination Center Details

#### Vaccination Center

ID	Center	City
3	nellore	mypadu

#### Associated Citizens

ID	Name	City	No. of Doses	Vaccination Status
<a href="#">Back to Vaccination Centers</a>				

## Edit Vaccine Center

Center:

City:

[Update Vaccine Center](#)

## Citizen Details

[Add Citizen](#)

[Back to Home](#)

ID	Name	City	No. of Doses	Vaccination Status	Vaccination Center	Actions
1	jaswanth	nellore	2	Fully Vaccinated	indukurupet	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
2	pavan	mypadu	2	Fully Vaccinated	gangapatnam	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
3	bharath	mypadu	1	One Vaccinated	gangapatnam	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>

Total 3 Citizens found

## Add Citizen

Name:

City:

No. of Doses:

Vaccination Status:

Vaccine Center:

[Add Citizen](#) [Back](#)

## Citizen Details

Name: bharath  
City: mypadu  
No. of Doses: 1  
Vaccination Status: One Vaccinated  
Vaccine Center: gangapatnam

[Back](#)

## Edit Citizen

Name:

City:

No. of Doses:

Vaccination Status:

Vaccine Center:

[Update Citizen](#) [Back](#)

## Citizen Details

[Add Citizen](#) [Back to Home](#)

ID	Name	City	No. of Doses	Vaccination Status	Vaccination Center	Actions
1	jaswanth	nellore	2	Fully Vaccinated	indukurupet	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
2	pavan	mypadu	2	Fully Vaccinated	gangapatnam	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
3	bharath	mypadu	1	One Vaccinated	gangapatnam	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
4	praveen	gudur	0		indukurupet	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>

Total 4 Citizens found