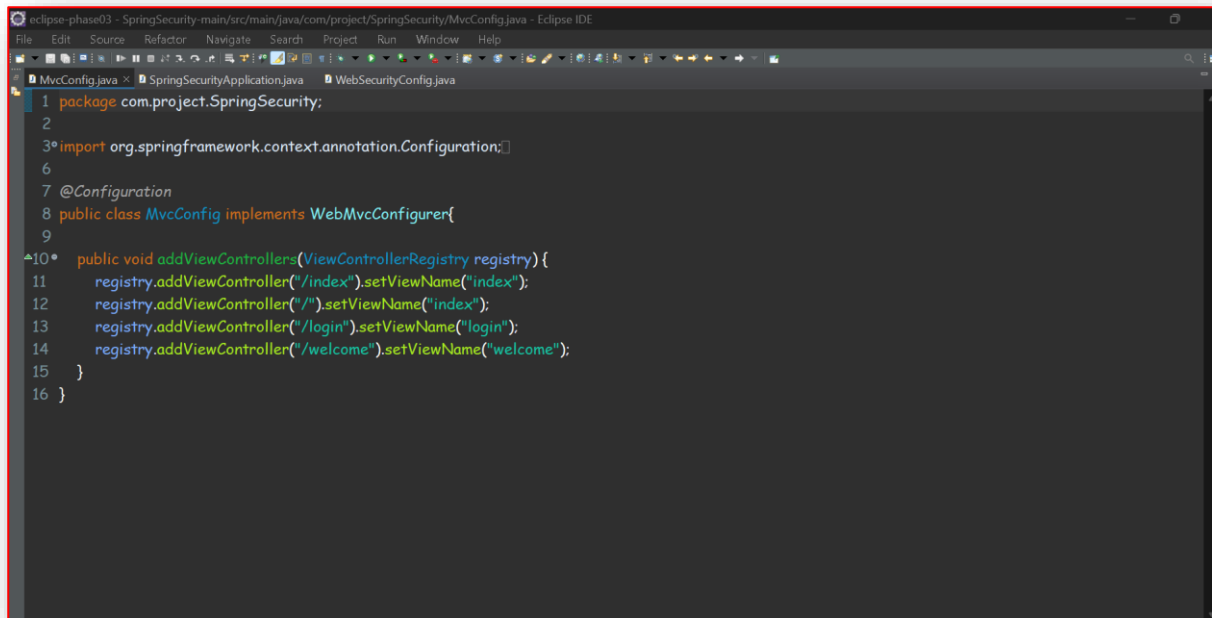
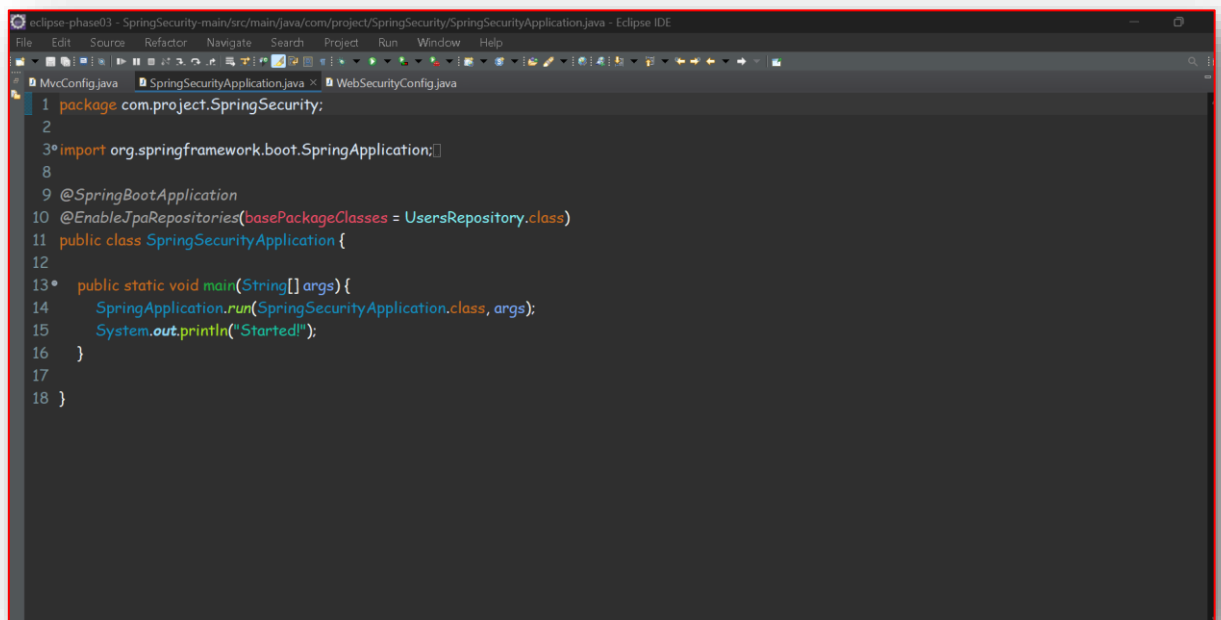


com.project.SpringSecurity



The screenshot shows the Eclipse IDE with the file `MvcConfig.java` open. The package is `com.project.SpringSecurity`. The code defines a `WebMvcConfigurer` interface implementation that registers several controllers.

```
1 package com.project.SpringSecurity;
2
3 import org.springframework.context.annotation.Configuration;
4
5
6
7 @Configuration
8 public class MvcConfig implements WebMvcConfigurer{
9
10     public void addViewControllers(ViewControllerRegistry registry) {
11         registry.addViewController("/index").setViewName("index");
12         registry.addViewController("/").setViewName("index");
13         registry.addViewController("/login").setViewName("login");
14         registry.addViewController("/welcome").setViewName("welcome");
15     }
16 }
```



The screenshot shows the Eclipse IDE with the file `SpringSecurityApplication.java` open. The package is `com.project.SpringSecurity`. The code defines a `SpringBootApplication` that enables JPA repositories and includes a `main` method to start the application.

```
1 package com.project.SpringSecurity;
2
3 import org.springframework.boot.SpringApplication;
4
5
6
7 @SpringBootApplication
8 @EnableJpaRepositories(basePackageClasses = UsersRepository.class)
9 public class SpringSecurityApplication {
10
11     public static void main(String[] args) {
12         SpringApplication.run(SpringSecurityApplication.class, args);
13         System.out.println("Started!");
14     }
15
16 }
17
18 }
```



```
eclipse-phase03 - SpringSecurity-main/src/main/java/com/project/SpringSecurity/entities/User.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

MyUserDetails.java User.java x
1 package com.project.SpringSecurity.entities;
2
3 import javax.persistence.Entity;
4
5
6
7
8
9 @Entity
10 @Table(name="user")
11 public class User {
12
13     @Id
14     @GeneratedValue(strategy=GenerationType.AUTO)
15     private Integer id;
16
17     private String name;
18
19     private String password;
20
21
22
23     public User() {
24         super();
25     }
26
27     public User(String name, String password) {
28         super();
29         this.name = name;
30         this.password = password;
31     }
32
33     public String getName() {
34         return name;
35     }
36
37     public void setName(String name) {
38         this.name = name;
39     }
40
41     public String getPassword() {
42         return password;
43     }
44
45     public void setPassword(String password) {
46         this.password = password;
47     }
48 }
49
```

com.project.SpringSecurity.repositories

```
MyUserDetails.java User.java UsersRepository.java x
1 package com.project.SpringSecurity.repositories;
2
3 import java.util.Optional;
4
5
6
7
8
9
10 @Repository
11 public interface UsersRepository extends CrudRepository<User, Integer>{
12
13     public Optional<User> findUserByName(String name);
14 }
```

```
MyUserDetailsService.java application.properties ×
1 spring.jpa.hibernate.ddl-auto=update
2 spring.jpa.hibernate.naming-strategy=org.hibernate.cfg.ImprovedNamingStrategy
3 spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQL8Dialect
4 spring.datasource.url=jdbc:mysql://localhost:3306/springboot
5 spring.datasource.username=root
6 spring.datasource.password=root123
7
8 logging.level.org.springframework.web: DEBUG
9 spring.thymeleaf.prefix=/WEB-INF/jsp/
10 spring.thymeleaf.suffix=.jsp
11 server.port=9091
12 server.error.whitelabel.enabled=false
13
```

/SpringSecurity-main/src/main/webapp/WEB-INF/jsp/index.jsp

```
index.jsp × login.jsp welcome.jsp
1 <!DOCTYPE html>
2 <html xmlns="http://www.w3.org/1999/xhtml"
3       xmlns:th="http://www.thymeleaf.org"
4       xmlns:sec="http://www.thymeleaf.org/thymeleaf-extras-springsecurity3"
5       xmlns:layout="http://www.ultraq.net.nz/thymeleaf/layout">
6 <head>
7 <title>Greetings</title>
8 <style>
9 /* Advanced CSS Styles */
10
11 /* Body Styles */
12 body {
13     font-family: Arial, sans-serif;
14     margin: 0;
15     padding: 20px;
16 }
17
18 /* Heading Styles */
19 h1 {
20     font-size: 24px;
21     color: #333;
22 }
23
24 /* Link Styles */
25 a {
26     text-decoration: none;
27     color: #0066cc;
28 }
29
30 a:hover {
31     text-decoration: underline;
32 }
33
34 /* Paragraph Styles */
35 p {
36     font-size: 16px;
37     line-height: 1.5;
38     color: #666;
39     margin-bottom: 10px;
40 }
41 </style>
42 </head>
43 <body>
44 <h1>Welcome</h1>
45
46 <p>
47     Click <a th:href="@{/welcome}">here</a> to see a greeting
48 </p>
49 </body>
50 </html>
51
```

/SpringSecurity-main/src/main/webapp/WEB-INF/jsp/login.jsp

```
index.jsp login.jsp × welcome.jsp
1 <!DOCTYPE html>
2 <html xmlns="http://www.w3.org/1999/xhtml" xmlns:th="https://www.thymeleaf.org"
3   xmlns:sec="https://www.thymeleaf.org/thymeleaf-extras-springsecurity3">
4   <head>
5     <title>Login</title>
6     <style>
7       /* Advanced CSS Styles */
8
9       /* Body Styles */
10      body {
11        font-family: Arial, sans-serif;
12        margin: 0;
13        padding: 20px;
14        background-color: #f2f2f2;
15      }
16
17      /* Error and Logout Message Styles */
18      .message {
19        font-size: 18px;
20        color: #ff0000;
21        margin-bottom: 10px;
22      }
23
24      /* Form Styles */
25      form {
26        max-width: 300px;
27        margin: 0 auto;
28        background-color: #fff;
29        padding: 20px;
30        border-radius: 5px;
31        box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
32      }
33
34      label {
35        font-size: 16px;
36        color: #333;
37      }
38
39      input[type="text"],
40      input[type="password"] {
41        width: 100%;
42        padding: 10px;
43        margin-bottom: 10px;
44        border: 1px solid #ccc;
45        border-radius: 5px;
46      }
47
48      input[type="submit"] {
49        background-color: #0066cc;
50        color: #fff;
51        border: none;
52        padding: 10px 20px;
53        cursor: pointer;
54        border-radius: 5px;
55      }
56
57      input[type="submit"]:hover {
58        background-color: #0052a3;
59      }
60
61      /* Return to Main Page Link Styles */
62      a {
63        display: block;
64        text-align: center;
65        margin-top: 20px;
66        color: #333;
67        text-decoration: none;
68      }
69    </style>
70  </head>
71  <body>
72    <div class="message" th:if="${param.error}">
73      Invalid username or password.
74    </div>
75    <div class="message" th:if="${param.logout}">
76      You have been logged out.
77    </div>
78    <form th:action="@{/login}" method="post">
79      <div><label> User Name: <input type="text" name="username"/> </label></div>
80      <div><label> Password: <input type="password" name="password"/> </label></div>
81      <div><input type="submit" value="Sign In"/></div>
82    </form>
83
84    <a href="/">Return to Main Page</a>
85  </body>
86 </html>
```

/SpringSecurity-main/src/main/webapp/WEB-INF/jsp/welcome.jsp

```
index.jsp login.jsp welcome.jsp ×
1 <!DOCTYPE html>
2 <html xmlns="http://www.w3.org/1999/xhtml" xmlns:th="https://www.thymeleaf.org"
3     xmlns:sec="https://www.thymeleaf.org/thymeleaf-extras-springsecurity3">
4 <head>
5 <title>Welcome</title>
6 <style>
7 /* Advanced CSS Styles */
8
9 /* Body Styles */
10 body {
11     font-family: Arial, sans-serif;
12     margin: 0;
13     padding: 20px;
14     background-color: #f2f2f2;
15 }
16
17 /* Heading Styles */
18 h1 {
19     text-align: center;
20     font-size: 32px;
21     margin-bottom: 30px;
22 }
23
24 /* Form Styles */
25 form {
26     max-width: 300px;
27     margin: 0 auto;
28     background-color: #fff;
29     padding: 20px;
30     border-radius: 5px;
31     box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
32     text-align: center;
33 }
34
35 input[type="submit"] {
36     background-color: #0066cc;
37     color: #fff;
38     border: none;
39     padding: 10px 20px;
40     cursor: pointer;
41     border-radius: 5px;
42 }
43
44 input[type="submit"]:hover {
45     background-color: #0052a3;
46 }
47 </style>
48 </head>
49 <body>
50 <h1 th:inline="text">Hello [${#httpServletRequest.remoteUser}]!</h1>
51 <form th:action="@{/logout}" method="post">
52     <input type="submit" value="Sign Out"/>
53 </form>
54 </body>
55 </html>
56
```