

KIRAN KUMAR D NATIKAR

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SOURCE CODE

## Spring Security with Authentication Source Code:

### SpringBootSecurityApplication.java

```
package com.example.demo;
```

```
import org.springframework.boot.SpringApplication;
```

```
import org.springframework.boot.autoconfigure.SpringBootApplication;
```

```
@SpringBootApplication
```

```
public class SpringBootSecurityApplication {
```

```
    public static void main(String[] args) {
```

```
        SpringApplication.run(SpringBootSecurityApplication.class, args);
```

```
    }
```

```
}
```

### WebSecurityConfig.java

```
package com.example.demo;
```

```
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 WebSecurityConfig {
```

```
//    protected void configure(HttpSecurity http) throws Exception {
```

```
//    http.authorizeRequests()
```

```
//    .requestMatchers("/seller/**")
```

```
//    .authenticated()
```

```
//    .anyRequest()
```

```
//    .permitAll()
```

```
//    .and()
```

```
//    .httpBasic();
```

```
// }
```

```
@Autowired
```

```
public void configureGlobal(AuthenticationManagerBuilder auth) throws Exception {
```

```
    PasswordEncoder
```

```
encoder
```

```
=
```

```
PasswordEncoderFactories.createDelegatingPasswordEncoder();
```

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```
        auth.inMemoryAuthentication()
            .withUser("user").password(encoder.encode("password")).roles("USER")
            .and()
            .withUser("user1").password(encoder.encode("password1")).roles("USER")
            .and()
            .withUser("user2").password(encoder.encode("password2")).roles("USER")
            .and()
            .withUser("admin1").password(encoder.encode("adminpassword1")).roles("ADMIN");
    }
}
```

### application.properties

```
spring.mvc.view.prefix=/WEB-INF/views/
spring.mvc.view.suffix=.jsp
```

### index.jsp

```
<h3>Welcome To Home page </h3>
```

### pom.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-
4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>
    <parent>
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-starter-parent</artifactId>
        <version>3.1.0</version>
        <relativePath/> <!-- lookup parent from repository -->
    </parent>
    <groupId>com.example</groupId>
    <artifactId>spring-boot-security</artifactId>
    <version>0.0.1-SNAPSHOT</version>
    <name>spring-boot-security</name>
    <description>Demo project for Spring Boot</description>
    <properties>
        <java.version>17</java.version>
    </properties>
    <dependencies>
        <dependency>
```

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```
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-starter-web</artifactId>
    </dependency>

    <dependency>
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-starter-security</artifactId>
    </dependency>

    <!--
    https://mvnrepository.com/artifact/jakarta.servlet.jsp.jstl/jakarta.servlet.jsp.jstl-api -->
    <dependency>
        <groupId>jakarta.servlet.jsp.jstl</groupId>
        <artifactId>jakarta.servlet.jsp.jstl-api</artifactId>
        <version>3.0.0</version>
    </dependency>

    <!-- JSP support in Spring -->
    <dependency>
        <groupId>org.apache.tomcat.embed</groupId>
        <artifactId>tomcat-embed-jasper</artifactId>
        <scope>provided</scope>
    </dependency>

    <dependency>
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-starter-test</artifactId>
        <scope>test</scope>
    </dependency>
</dependencies>

<build>
    <plugins>
        <plugin>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-maven-plugin</artifactId>
        </plugin>
    </plugins>
</build>

</project>
```