**IMPLEMENTING SPRING SECURITY WITH AUTHENTICATION SOURCE CODE**

**DEMOCONTROLLER**

**package com.example.demo;**

**import org.springframework.stereotype.Controller;**

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

**import org.springframework.web.bind.annotation.ResponseBody;**

**@Controller**

**public class DemoController {**

**@ResponseBody**

**@RequestMapping("/")**

**public String demo() {**

**return "hi users welcome to java world";**

**}**

**@ResponseBody**

**@RequestMapping("/admin")**

**public String admin() {**

**return "hi admin users";**

**}**

**@ResponseBody**

**@RequestMapping("/user")**

**public String user() {**

**return "hi users";**

**}**

**}**

**SECURITYCONFIG**

**package com.example.demo;**

**import org.springframework.context.annotation.Bean;**

**import org.springframework.security.config.annotation.authentication.builders.AuthenticationManagerBuilder;**

**import org.springframework.security.config.annotation.web.builders.HttpSecurity;**

**import org.springframework.security.config.annotation.web.configuration.EnableWebSecurity;**

**import org.springframework.security.config.annotation.web.configuration.WebSecurityConfigurerAdapter;**

**import org.springframework.security.crypto.password.NoOpPasswordEncoder;**

**import org.springframework.security.crypto.password.PasswordEncoder;**

**@EnableWebSecurity**

**public class SecurtyConfig extends WebSecurityConfigurerAdapter {**

**@Override**

**protected void configure(AuthenticationManagerBuilder auth) throws Exception {**

**auth.inMemoryAuthentication()**

**.withUser("admin")**

**.password("admin")**

**.roles("ADMIN")**

**.and()**

**.withUser("user")**

**.password("user")**

**.roles("USER");**

**}**

**@Bean**

**public PasswordEncoder getpassword() {**

**return NoOpPasswordEncoder.getInstance();**

**}**

**@Override**

**protected void configure(HttpSecurity http) throws Exception {**

**http.authorizeRequests()**

**.antMatchers("/admin").hasRole("ADMIN")**

**.antMatchers("/user").hasAnyRole("ADMIN","USER")**

**.antMatchers("/").permitAll().and().formLogin();**

**}**

**}**

**SERVLET INTIALIZER**

**Package com.example.demo;**

**import org.springframework.boot.builder.SpringApplicationBuilder;**

**import org.springframework.boot.web.servlet.support.SpringBootServletInitializer;**

**public class ServletInitializer extends SpringBootServletInitializer {**

**@Override**

**protected SpringApplicationBuilder configure(SpringApplicationBuilder application) {**

**return application.sources(Springsecurity1Application.class);**

**}**

**}**

**package com.example.demo;**

**import org.springframework.boot.SpringApplication;**

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

**@SpringBootApplication**

**public class Springsecurity1Application {**

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

**SpringApplication.run(Springsecurity1Application.class, args);**

**}**

**}**

**APPLICATION PROPERTIES**

server.port=8072

**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 https://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>2.7.3</version>

<relativePath/> <!-- lookup parent from repository -->

</parent>

<groupId>com.example</groupId>

<artifactId>springsecurity1</artifactId>

<version>0.0.1-SNAPSHOT</version>

<packaging>war</packaging>

<name>springsecurity1</name>

<description>Demo project for Spring Boot</description>

<properties>

<java.version>1.8</java.version>

</properties>

<dependencies>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-security</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-web</artifactId>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-devtools</artifactId>

<scope>runtime</scope>

<optional>true</optional>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-tomcat</artifactId>

<scope>provided</scope>

</dependency>

<dependency>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-test</artifactId>

<scope>test</scope>

</dependency>

<dependency>

<groupId>org.springframework.security</groupId>

<artifactId>spring-security-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>

**https://github.com/radhikajessy/spring-security-authentication.git**