HomeResource.java

package com.example;

import org.springframework.web.bind.annotation.GetMapping;

import org.springframework.web.bind.annotation.RestController;

@RestController

public class HomeResource {

@GetMapping("/")

public String home() {

return ("<h1>Welcome In Spring Security </h1>");

}

@GetMapping("/user")

public String user() {

return ("<h1>Welcome ! USER </h1>");

}

@GetMapping("/admin")

public String admin() {

return ("<h1>Welcome ! ADMIN <h1>");

}

}

SecurityConfiguration.java

**package** com.example;

**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** SecurityConfiguration **extends** ~~WebSecurityConfigurerAdapter~~{

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

//Set configuration on the auth object

auth.inMemoryAuthentication()

.withUser("Sanjeev").password("Sanjeev@123").roles("User")

.and()

.withUser("kabita").password("kabita@123").roles("Admin");

}

@Bean

**public** PasswordEncoder getPasswordEncoder() {

**return** ~~NoOpPasswordEncoder~~.~~getInstance~~();

}

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

http.authorizeHttpRequests()

.antMatchers("/admin").hasRole("Admin")

.antMatchers("/user").hasAnyRole("Admin" ,"User")

.and().formLogin();

}

}

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>sanjeev.com</groupId>

<artifactId>SpringSecurityWithAuthentication</artifactId>

<version>0.0.1-SNAPSHOT</version>

<name>SpringSecurityWithAuthentication</name>

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

<properties>

<java.version>11</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-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>