Spring Security :

<?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>3.1.3</version>

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

</parent>

<groupId>com.ict</groupId>

<artifactId>spring-security-project-1</artifactId>

<version>0.0.1-SNAPSHOT</version>

<name>spring-security-project-1</name>

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

<properties>

<java.version>17</java.version>

</properties>

<dependencies>

<dependency>

<groupId>jakarta.validation</groupId>

<artifactId>jakarta.validation-api</artifactId>

<version>3.0.0</version>

</dependency>

<dependency>

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

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

</dependency>

<dependency>

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

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

</dependency>

<dependency>

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

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

</dependency>

<dependency>

<groupId>org.thymeleaf.extras</groupId>

<artifactId>thymeleaf-extras-springsecurity6</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>

package com.spring.security;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class SpringSecurityProject1Application {

public static void main(String[] args) {

SpringApplication.run(SpringSecurityProject1Application.class, args);

}

}

package com.spring.security.config;

import static org.springframework.security.config.Customizer.withDefaults;

import org.springframework.context.annotation.Bean;

import org.springframework.context.annotation.Configuration;

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

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

import org.springframework.security.core.userdetails.User;

import org.springframework.security.core.userdetails.UserDetails;

import org.springframework.security.crypto.factory.PasswordEncoderFactories;

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

import org.springframework.security.provisioning.InMemoryUserDetailsManager;

import org.springframework.security.web.SecurityFilterChain;

@Configuration

@EnableWebSecurity

public class SecurityConfiguration {

@Bean

public SecurityFilterChain securityFilterChain(HttpSecurity http) throws Exception {

http

.authorizeHttpRequests((authorize) -> authorize

.anyRequest().authenticated()

)

.httpBasic(withDefaults())

.formLogin(withDefaults());

return http.build();

}

@Bean

public InMemoryUserDetailsManager userDetailsService() {

PasswordEncoder encoder = PasswordEncoderFactories.createDelegatingPasswordEncoder();

UserDetails user = User.withUsername("ictuser")

.password(encoder.encode("secret"))

.roles("USER")

.build();

return new InMemoryUserDetailsManager(user);

}

}

package com.spring.security.controller;

import org.springframework.stereotype.Controller;

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

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

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

import com.spring.security.model.Customer;

import jakarta.validation.Valid;

@Controller

public class IndexController {

@GetMapping("/")

public String index() {

return "index";

}

}

Src/main/resources/templates/index.html

<html xmlns:th="https://www.thymeleaf.org">

<head>

<title>Hello Security!</title>

</head>

<body>

<h1>Hello Security!</h1>

<a id="logout" th:href="@{/logout}">Log Out</a>

</body>

</html