Spring Boot

Assignment 8

Regis University

MSSE674 – Enterprise Java Software Development

Spring 2021 Week 8

03/07/2021

Brenda Palmer

Table of Contents

[Design of Week 8 Assignment: 3](#_Toc65744069)

[Class and File Locations: 3](#_Toc65744070)

[Pom.xml: 3](#_Toc65744071)

[Login.html, Greetings.html, Home.html and Hello.html: 3](#_Toc65744072)

[MvcConfig.java: 4](#_Toc65744073)

[GreetingsController.java: 4](#_Toc65744074)

[PalmerBrenda674Week8Application.java: 4](#_Toc65744075)

[PalmerBrenda674Week8ApplicationTests.java: 4](#_Toc65744076)

[WebSecurityConfig.java: 4](#_Toc65744077)

[SecuringWebApplication.java: 4](#_Toc65744078)

[SecuringWebApplicationTests.java: 4](#_Toc65744079)

[SpringExecutableJar: 4](#_Toc65744080)

[Console Images of Successful Build and Run: 5](#_Toc65744081)

[Passing JUnit Tests Images: 6](#_Toc65744082)

[Resource(s): 7](#_Toc65744083)

# Design of Week 8 Assignment:

  I created a new spring boot maven project that included Spring Boot Starter and Spring Boot Security.  First, I needed to add the necessary dependencies in the pom.xml file

**For Part 1:**

 I created a simple application class PalmerBrenda674Week8Application.java.

I also created a JUnit class: PalmerBrenda674Week8ApplicationTests.java

Finally, I added the production grade services by adding the following dependency in the pom.xml file: Spring Boot starter actuator.

**For part two:**

I added the spring boot security dependencies to the pom.xml file

Created the following .html files: Login.html, Greetings.html, Home.html and Hello.html

To set up the Spring MVC, I created the following classes: MvcConfig.java and added a GreetingsController.java

Then to ensure only authorized users have access I created this class: WebSecurityConfig.java and SecurityWebApplication.java

Created a JUnit test class called: SecuringWebApplicationTests.java

**Running it all together**

Finally, after completing part 1 and part 2 I ran my JUnit tests, and everything passed

Then I run my application and my console showed Spring and a successful build and run

Lastly, I created my executable jar file and ran it from the command line.

# Class and File Locations:

Pom.xml: Palmer\_Brenda674\_Week8\Palmer\_Brenda\_674\_Week8

Login.html, Greetings.html, Home.html and Hello.html: Palmer\_Brenda674\_Week8\Palmer\_Brenda\_674\_Week8\src\main\resources

MvcConfig.java: Palmer\_Brenda674\_Week8\Palmer\_Brenda\_674\_Week8\src\main\java\com\springboot\securingweb

GreetingsController.java: Palmer\_Brenda674\_Week8\Palmer\_Brenda\_674\_Week8\src\main\java\com\springboot

PalmerBrenda674Week8Application.java: Palmer\_Brenda674\_Week8\Palmer\_Brenda\_674\_Week8\src\main\java\com\springboot

PalmerBrenda674Week8ApplicationTests.java: Palmer\_Brenda674\_Week8\Palmer\_Brenda\_674\_Week8\src\test\java\com\springboot

WebSecurityConfig.java: Palmer\_Brenda674\_Week8\Palmer\_Brenda\_674\_Week8\src\main\java\com\springboot\securingweb

SecuringWebApplication.java: Palmer\_Brenda674\_Week8\Palmer\_Brenda\_674\_Week8\src\main\java\com\springboot\securingweb

SecuringWebApplicationTests.java: Palmer\_Brenda674\_Week8\Palmer\_Brenda\_674\_Week8\src\test\java\com\springboot

SpringExecutableJar: Attached as a single file in the week 8 assignement submission

# Console Images of Successful Build and Run:

Graphical user interface, text, application, email

Description automatically generatedGraphical user interface, text

Description automatically generated

# Passing JUnit Tests Images:

Graphical user interface, text, application, email

Description automatically generated

# Resource(s):

<https://spring.io/guides/gs/spring-boot/>

<https://spring.io/guides/gs/securing-web/>

<https://www.stackoverflow.com> For issues that arose during this project