

Enterprise Java - 9.1_ex_barnesp-3/src/main/java/ca/sheridancollege/barnesp/controllers/HomeController.java - Eclipse IDE

```
1 package ca.sheridancollege.barnesp.controllers;
2
3 import org.springframework.stereotype.Controller;
4
5 @Controller
6 public class HomeController {
7
8     @GetMapping("/")
9     public String goHome() {
10         return "index";
11     }
12
13     @GetMapping("/check")
14     public String goCheck() {
15         return "check";
16     }
17
18 }
19
20
```

Console

```
9.1_ex_barnesp-3 - Application (Spring Boot App) C:\Program Files\Eclipse Adoptium\jdk-21.0.47-hotspot\bin\java.exe (Nov 4, 2024, 9:46:00 AM) [pid: 8980]
2024-11-04T09:46:01.902-05:00 INFO 8980 --- [9.1_ex_barnesp-2] [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2024-11-04T09:46:01.902-05:00 INFO 8980 --- [9.1_ex_barnesp-2] [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed
2024-11-04T09:46:02.123-05:00 INFO 8980 --- [9.1_ex_barnesp-2] [ restartedMain] r$initializeUserDetailsManagerConfigurer : Global AuthenticationManager configured with
2024-11-04T09:46:02.167-05:00 INFO 8980 --- [9.1_ex_barnesp-2] [ restartedMain] o.s.b.a.w.s.WelcomePageHandlerMapping : Adding welcome page template: index
2024-11-04T09:46:02.362-05:00 INFO 8980 --- [9.1_ex_barnesp-2] [ restartedMain] o.s.b.d.a.OptionalLiveReloadServer : LiveReload server is running on port 35720
2024-11-04T09:46:02.385-05:00 INFO 8980 --- [9.1_ex_barnesp-2] [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port 8080 (http) with context
2024-11-04T09:46:02.391-05:00 INFO 8980 --- [9.1_ex_barnesp-2] [ restartedMain] c.sheridancollege.barnesp.Application : Started Application in 1.413 seconds (process
2024-11-04T09:46:08.896-05:00 INFO 8980 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
2024-11-04T09:46:08.896-05:00 INFO 8980 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2024-11-04T09:46:08.897-05:00 INFO 8980 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 1 ms
```

Enterprise Java - 9.1_ex_barnesp-3/src/main/resources/templates/check.html - Eclipse IDE

```
1 <!DOCTYPE html>
2 <html xmlns:th="http://www.thymeleaf.org" xmlns:sec="http://www.thymeleaf.org/thymeleaf-extras-springsecurity5">
3 <head>
4 <meta charset="UTF-8">
5 <title></title>
6 </head>
7 <body>
8
9 </body>
10 </html>
```

Console

```
9.1_ex_barnesp-3 - Application (Spring Boot App) C:\Program Files\Eclipse Adoptium\jdk-21.0.47-hotspot\bin\java.exe (Nov 4, 2024, 9:46:00 AM) [pid: 8980]
2024-11-04T09:46:01.902-05:00 INFO 8980 --- [9.1_ex_barnesp-2] [ restartedMain] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded Web
2024-11-04T09:46:01.902-05:00 INFO 8980 --- [9.1_ex_barnesp-2] [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: init
2024-11-04T09:46:02.123-05:00 INFO 8980 --- [9.1_ex_barnesp-2] [ restartedMain] r$initializeUserDetailsManagerConfigurer : Global AuthenticationManager con
2024-11-04T09:46:02.167-05:00 INFO 8980 --- [9.1_ex_barnesp-2] [ restartedMain] o.s.b.a.w.s.WelcomePageHandlerMapping : Adding welcome page template: in
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2024-11-04T09:46:08.896-05:00 INFO 8980 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcher
```

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The screenshot shows the Eclipse IDE with the 'index.html' file open. The file contains the following HTML code:

```
<!DOCTYPE html>
<html xmlns:th="http://www.thymeleaf.org" xmlns:sec="http://www.thymeleaf.org/thymeleaf-extras-springsecurity5">
<head>
<meta charset="UTF-8">
<title>HARRO</title>
</head>
<body>
<h1>Welcome! Staying secure is a pretty big deal!</h1>
<div sec:authorize="isAuthenticated()">
  User's Name:<span sec:authentication="name"></span><br>
  Roles:<span sec:authentication="principal.authorities"></span><br><br>
  <div>
    <form method="post" action="#" th:action="#{/logout}">
      <!-- get asks if you want to log out -->
      <input type="submit" value="Logout" />
    </form>
  </div>
</div>
</body>
</html>
```

The console output shows the application starting successfully on port 8080:

```
2024-11-04T09:46:01.902-05:00 INFO 91lec_barnessp-2 [ restartedMain] o.s.c.c.c.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2024-11-04T09:46:01.902-05:00 INFO 91lec_barnessp-2 [ restartedMain] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed
2024-11-04T09:46:02.123-05:00 INFO 91lec_barnessp-2 [ restartedMain] r$initializeUserDetailsServiceConfigurer : Global AuthenticationManager configured with
2024-11-04T09:46:02.167-05:00 INFO 91lec_barnessp-2 [ restartedMain] o.s.b.a.w.s.WelcomePageHandlerMapping : Adding welcome page template: index
2024-11-04T09:46:02.362-05:00 INFO 91lec_barnessp-2 [ restartedMain] o.s.b.a.o.OptionalLiveReloadServer : LiveReload server is running on port 35729
2024-11-04T09:46:02.385-05:00 INFO 91lec_barnessp-2 [ restartedMain] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port 8080 (http) with context
2024-11-04T09:46:02.391-05:00 INFO 91lec_barnessp-2 [ restartedMain] c.sheridancollege.barnessp.Application : Started Application in 1.413 seconds (process
2024-11-04T09:46:08.896-05:00 INFO 91lec_barnessp-2 [nio-8080-exec-1] o.s.c.c.c.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
2024-11-04T09:46:08.896-05:00 INFO 91lec_barnessp-2 [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2024-11-04T09:46:08.897-05:00 INFO 91lec_barnessp-2 [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 1 ms
```

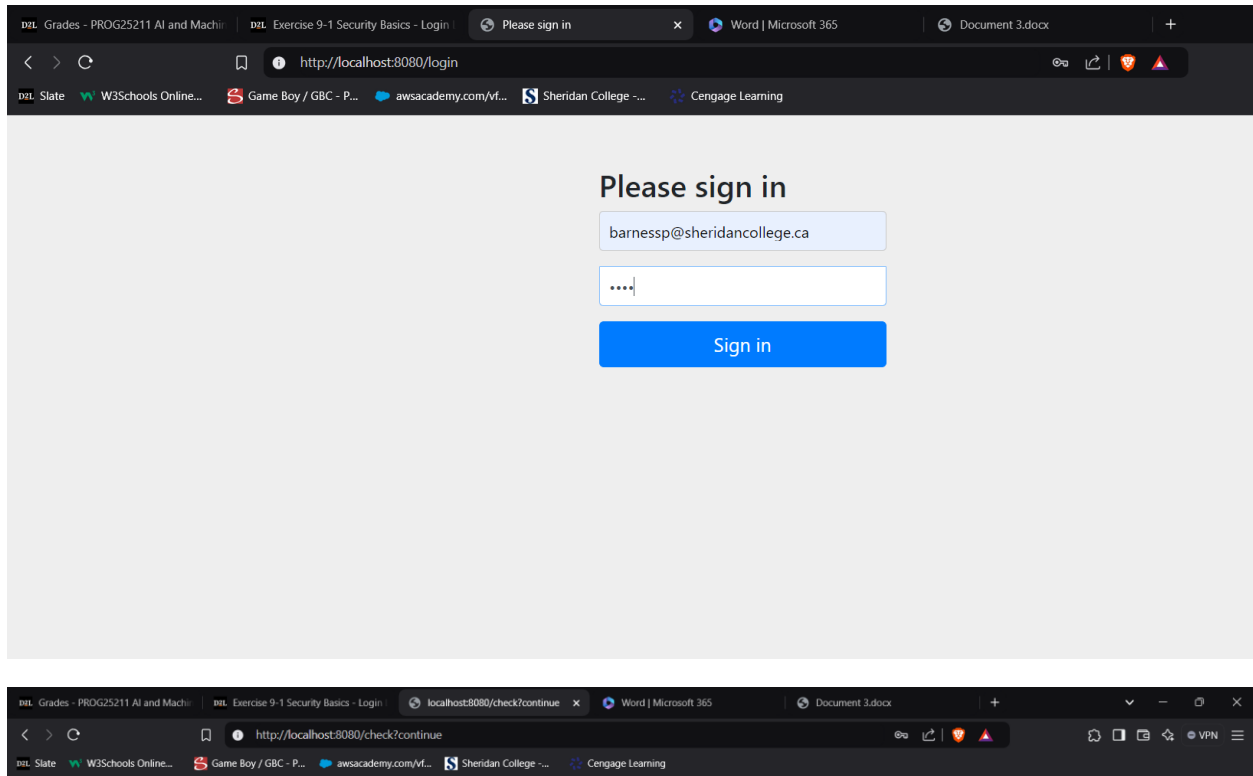
Check logged out:

The screenshot shows a web browser window with the URL <http://localhost:8080/login>. The page title is "Please sign in". The page contains the following HTML form:

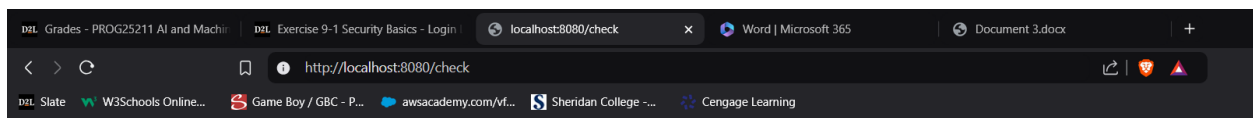
```
<div>
  <div>Please sign in</div>
  <div>
    <input type="text" value="Username"/>
    <input type="password" value="Password"/>
    <button>Sign in</button>
  </div>
</div>
```

Explanation:

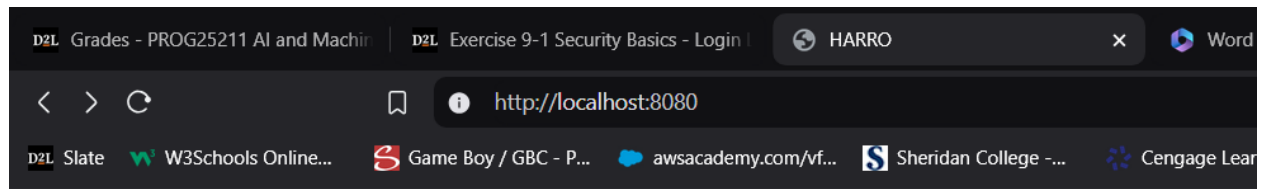
When I tried to manually go to /check I was redirected to the login screen, and once I logged in I was sent to the /check screen, showing that it remembered where I was trying to navigate to. When I was already logged in and went to /check it let me navigate normally.



Check logged in:



Index:



Welcome! Staying secure is a pretty big deal!

User's Name:barnessp@sheridancollege.ca

Roles:[ROLE_ADMIN, ROLE_USER]

Logout