**CS 504 – Software Engineering**

**HOP09 – Blazor Application – Sign Up and Login - Continued**

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**Before You Start**

* Version numbers may not match with the most current version at the time of writing. If given the option to choose between stable release (long-term support) or most recent, please choose the stable release rather than beta-testing version.
* This tutorial targets Windows users and MacOS users.
* There might be subtle discrepancies along the steps. Please use your best judgement while going through this cookbook style tutorial to complete each step.
* For your working directory, use your course number. This tutorial may use a different course number as an example.
* The directory path shown in screenshots may be different from yours.
* If you are not sure what to do or confused with any steps:
  1. Consult the resources listed below.
  2. If you cannot solve the problem after a few tries, ask a TA for help.

**Learning Outcomes**

Students will be able to:

* Continue customizing Blazor Application
* Continue to refactor login and signup pages.

**Resources:**

* Microsoft | ASP .NET - <https://dotnet.microsoft.com/apps/aspnet>

**Blazor App – Refactoring Sign Up and Login - Continued**

This week let’s continue to refactor our app and the logic of the login and signup. Watch the below video to see the end result:

<https://youtu.be/LwpBUz0Q1eY>

**Detailed explanation of the code will be provided in the end of this tutorial.**

**Please move the Blazor App folder from “Module 8” folder to “Module 9”.**

(Under the Hands-on Practice folder)

1. Under the project folder. Under Pages folder, modify the Login.razor file to match the following screenshot (PLEASE WATCH EVERY LINE OF CODE):

Text

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1. Under the same Pages folder, modify the following line of code in SignUp.razor to redirect users to Login page, instead of Home page:

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1. Under Data folder, go to LoginService.cs file, modify your file to match the following screenshot (PLEASE WATCH EVERY LINE OF CODE):

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1. Under Shared folder, go to NavMenu.razor file, add the following blocks of code, so that Logout button can be separated from the Login page:

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1. Run the app:

dotnet watch run

Go to Sign Up page, you should see the following, go ahead and experiment the page:

Graphical user interface, application

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This time, you should be able to see several changes:

* + Passwords are not shown in plaintext
  + You can only log in with real/signup account, no null value is accepted
  + Once logged in, the password won’t be shown
  + Log out is available in the menu
  + Under Sign Up page, once click “Cancel”, users will be redirected to Login page, instead of Home page.

1. **Watch the following video to see the explanations of all the code we just created this week:**

<https://youtu.be/CtyjX8ujQcc>

1. **Challenge: Based on how we set up our pages, functions, database, etc. right now. What are some security issues/breaches that can happen?**

Next week, we will dive more on security issues of the current app logic/set ups and deploy our app.

**Push your work to GitHub**

Open the terminal from the VSCode by hitting the control + ~ key, make sure you are in the right path, for example: /Desktop/CS504/HOP09-YourGitHubUsername/Module 9

Type the following command:

git add . (to copy all changes you have made)

git commit -m “Submission for Module 9 – Your Name” (To add a message to your submission)

git push origin master (to upload your work to Github)