**CS 504 – Software Engineering**

**HOP08 – Blazor Application – Sign Up Page**

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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
* Create Sign Up page.
  + Verify account name
  + Verify password strength
* Read, write, store user account information to the database.

**Resources:**

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

**Blazor App – Sign Up Page**

This week, we will add a Sign Up page. Here’s what the result will look like before we begin:

<https://youtu.be/jghxmlg8qI4>

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

**Please move the Blazor App folder from “Module 7” folder to “Module 8”.**

(Under the Hands-on Practice folder)

1. Under the project folder. Under Pages folder, create a new file and name it SignUp.razor

Graphical user interface, text, application

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1. Add the following code to the SignUp.razor

Text

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Text

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1. Under Data folder, go to SqliteService.cs file, add the following function to the end of the page:

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Text

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1. In the same SqliteService.cs file, edit the CreateNewMember() function to match following:

Text

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1. Under Pages folder, go to Login.razor file, edit the CreateNewMember() to match the following:

Text

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1. Under the Shared folder, in NavMenu.razor file, add the following block of code to add the SignUp page to the navigation menu:

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Text

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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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1. **Watch the following video to see the explanations of all the code we just created this week:** [**https://youtu.be/zdkVnad1rYg**](https://youtu.be/zdkVnad1rYg)

Next week, we will finish editing the logic of our pages.

1. **Challenge: Fix the Password box in the Login Page, so that the password will not show in plain text.**

**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/HOP08-YourGitHubUsername/Module 8

Type the following command:

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

git commit -m “Submission for Module 8 – Your Name” (To add a message to your submission)

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