W2D1

Razor Web Pages.

Part 1: simple simple simple

1. Open Visual Studio
2. Create a new project
3. Select New ASP.Net Core Application.
4. Call this project “My First Razor Page”
5. Put it in your “classwork” folder.
6. Click next.
7. Select “Web Application”
8. Click ok.
9. Press control+f5
10. You should now be looking at the default page (if not wait a bit till your default browser launches).
11. Get rid of everything except the @page
12. Build a basic webpage that tells you the time on the server and the time in UTC. (hint @DateTime.now and @DateTime.UTCnow should be useful)
13. Refresh the page in your browser.

Part 2: lest separate things

1. Right click the “Pages” folder in the solution explorer.
2. Select Add -> razor page.
3. Name the page Index2.
4. Click ok.
5. In Index2.cshtml under “@page” add a line that says “@using MyFirstRazorPage.Pages” and then get rid of “MyFirstRazorPage.Pages.” in the “@model” line below leaving “Index2Model”.
6. In Index2.cshtml.cs add a public string called “Message”
7. In Curly Brackets add “get; private set;” This allows get to access the “message” publicaly but disallows setting publicly. i.e. someone can’t set your message to say something else.
8. After your curly brackets, set the string to something.
9. In the “onGet” function add a statement that gives the times. (hint, you can use curly brackets with quotes to put functions inline.)
10. Back in Index2.cshtml add under the header (go ahead and put something else if you like) add a “p” element that calls that displays the “Message” string.
11. In your browser go to “localhost:xxxxx/Index2” (hint you should only need to add a 2 to index on the page from the last part.)
12. You should now see your new page.
    1. What is the time?
    2. What is there something else you can do?
    3. Think about how you can do some computational stuff on the server side with code like this.