

Hi, I decided to use Blazor and create this website to show using C# various different things that have been discussed in CSCI 3155.

**** Show the website a bit ****

I will begin by putting a breakpoint in the submit function and step through it.

**** Start stepping though ****

As you can see the position variable is declared on this function call, but it is null right now. Stepping into the `ProcessRating` function, the variable is still null until we assign a value to it using a similar pattern matching syntax that is in Scala. When we hit the assignment on line 76, position is not null anymore. This is different than passing the argument by reference where the argument is not null and you are changing what is assigned at that location. It's different from passing by value because what ever you do in the function is only scoped to the function, so if you change the argument assignment, it will not change outside the function.

**** Stepping though until ProcessRating is exited ****

And the scope of the position variable remains until the end of the Submit function.

**** Talk about what this code is doing ****

**** Go to [Dialog_Carusel](#) ****

In here I'm doing a callback to show how that works. `DoWork` is the function, and `Action` is the parameter. On line 28, I'm passing `NavManager.NavigateTo("response")` as the parameter to the `DoWork` Function. On the call back (execution), it will navigate to a different page.

**** Show what it does ****

I also particularly enjoyed writing this code because all the variables are strong typed, and it's way easier to know what they do. Also since this code is run server side, it's really easy to debug compared to print statements in the browser.