CST8256 Web Programming Language I

Lab 1

Objective

1. Get familiar with ASP.NET Razor page syntax.
2. Use PageModel class to pass data between a Razor page and its code behind

Due Date

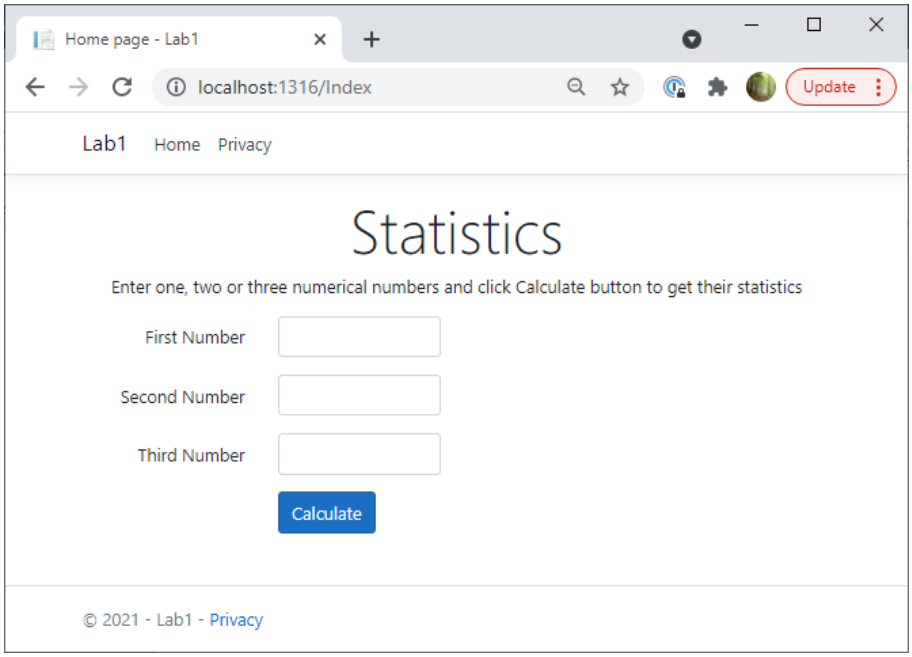
See Brightspace posting for the due date. To earn 5 points, you are required:

1. Complete the lab as required.
2. Zip your **project folder** and submit to the Brightspace before the due date.
3. Demonstrate your lab work during the lab session in the week after the due date

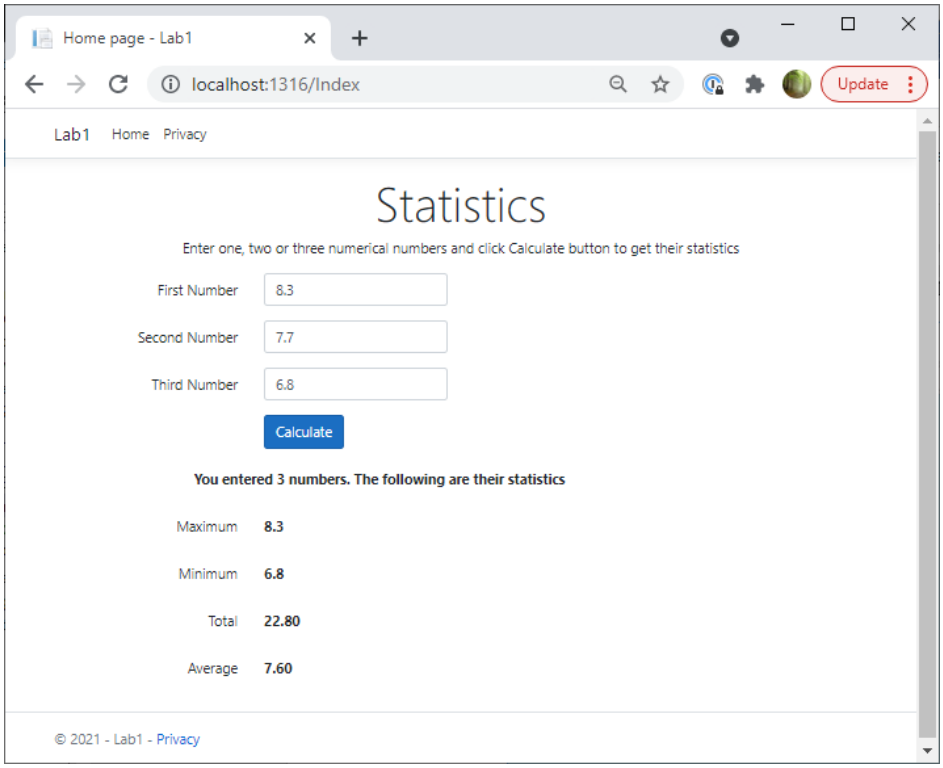
Requirements

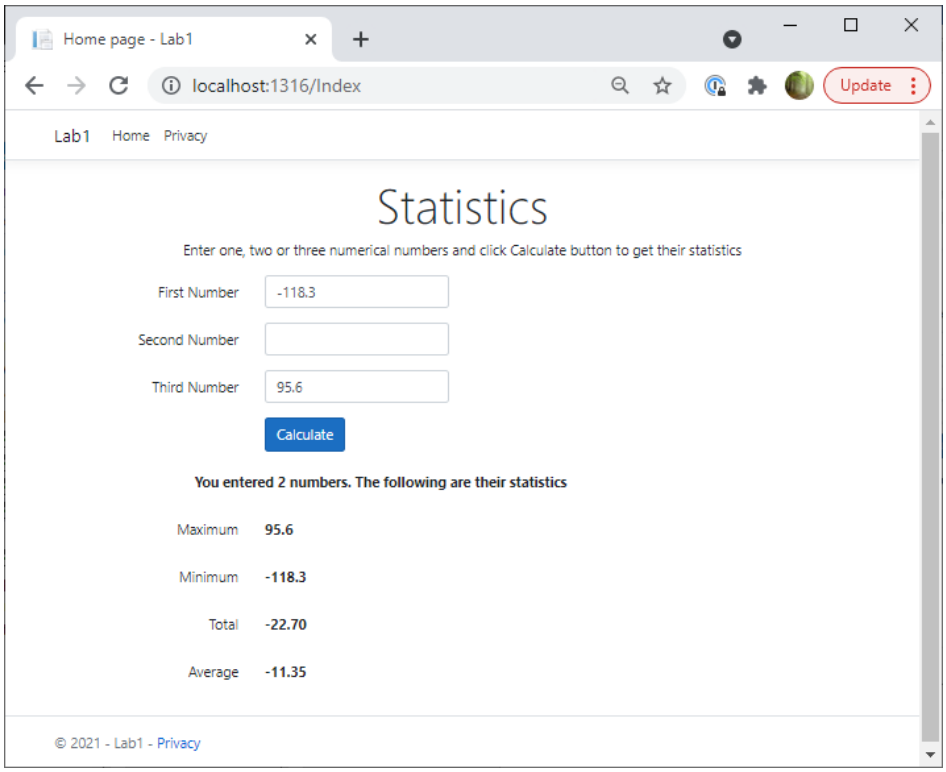
Create an ASP.NET Razor Page web application **Lab1** which contains one ASP.NET Razor Page **Index.cshtm**. This ASP.NET web page should have the following behaviors:

1. At initial load, the page presents the user with three text boxes to enter three numerical numbers as show below:



2. After the user entered one, two **or** three numbers and clicked the **Calculate** button, the page present the calculated statistics of the entered numbers to the user, as shown in the following two examples:

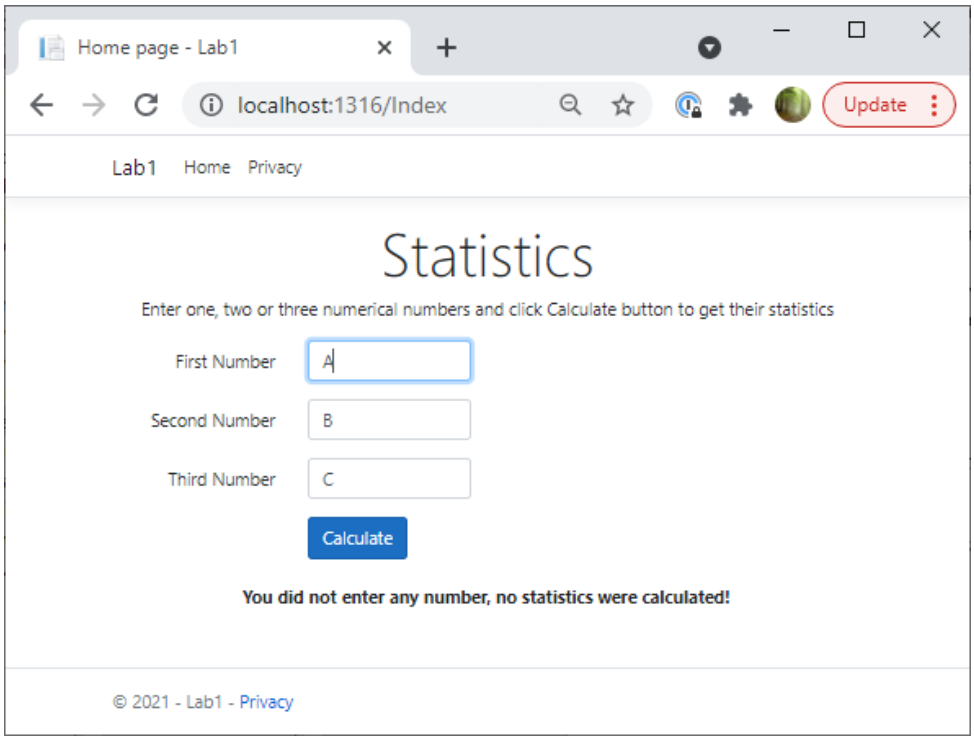




The page should have following features:

- The entry fields should maintain the values the user entered when representing the calculation result.
- The total and average should be shown in the precision of 2 decimal point
- The field left blank or entered with a non-numerical character string will be ignored and not included in the calculation of the statistics, as shown in the second example above.

Hint

- Use C# function **double.TryParse( )** to test if a string can be parsed into a valid double and parse the string into a double if it is valid. If you are not familiar with this function, Google it to find how to use this function.

3. If no valid number was entered, the page presents a message to the user as: