Some useful links.

<https://developer.mozilla.org/en-US/docs/Learn/HTML/Forms/Form_validation>

<https://mdn.github.io/learning-area/accessibility/html/good-semantics.html>

This worksheet is for HTML5 validation. Please test it out in the different browsers on your machine to ensure it works in all of them.

**Task 1: Required and css validation psudeoclasses.**

Create a new Razor page called htmlvalidation in the Pages folder of your web application. Add a style sheet called main to your application and add a link to the style sheet to your Razor page.

Run it and make sure that the style sheet is linked.

Add a form with a text box labelled “student number” and a submit button to the razor page.

Make the text box required by adding the attribute required to the input element.

Add the following code to the style sheet

input:invalid {

border: 2px dashed red;

}

input:valid {

border: 2px solid black;

}

**Task 2: The length of the string.**

Use an input element attributes to ensure that the student number entered is 9 characters. (look this up)

**Task 3: Limiting what numbers can be entered.**

Add three text box to the form with the labels ***number a, number b and num c.***

Add the following restrictions using attributes on the input element?

a)A whole number.

b)A whole number between -10 and 10.

c)A number with two decimal places which is greater than 0

**Task 4: Pattern Matching**

Further restrict the student number so that it only accepts student numbers beginning with S followed by 8 digits. Use the pattern attribute to do this pattern = “S\d{8}”. This matches the string which is input against a **regular expression**.

Change the regular expression so that it accepts either a capital or a lowercase ‘s’.

**Task 5**

Disable HTML5 validation on the form

**Task 6: CSS**

Use CSS to get the numbers to look like the following.

