Faculty of Science, Engineering and Technology

Interface Design and Development

Pass Task 2.2: My Calculator

Overview

Div wrappers are a great way of encapsulating the content within a web page. In most cases the nested several levels of div are needed and must be ordered base on importance, find out how to achieve this.

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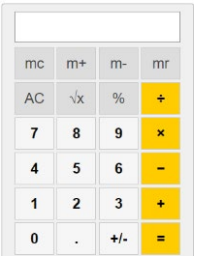
Purpose: Learn how to nest div wrappers in your web page.

Task: Create your own div wrappers that will logically group parts the calculator.

Time: This task should be completed in your lab class and before your next lab session.

Example:



Resources:

- Lecture notes #2

Submission Details

You must submit the following files:

- Web page source code (calculator.html).
- Screenshot of the calculator webpage
- Do not compress your submission. Submit them as separate files.

Make sure that your task has the following in your submission:

- The design must observe the layout rule (row-column)
- Code must be HTML5 standard and observe indentation.
- Code must be rendered to show the calculator.
- Your webpage use the Bootstrap framework appropriately.

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Instructions

The div wrapper is used to encapsulate some content. A web page must be designed such that a div represent a module that can be replaced with a different content enabling a consistent look and feel of the website.

Consider, for example, our calculator content. It will have a display, numeric key pad, arithmetic key pad that includes '=', and special memory function for MR, MC, MR+ and MR– .These represent that 4 main groupings of the calculator.

To demonstrate this lets create a webpage that contains the calculator content.

1. Open your **editor** and create a new file. Save it as **calculator.html** in your *Documents/cos30043/lab02* directory.

2. Start the calculator web page using the Bootstrap start code shown below.

```
<!DOCTYPE html>
<html lang=”en”>
<head>
   <title>Template that uses Bootstrap</title>
   <meta charset="utf-8" />
   <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
    <!-- Bootstrap -->
    <link href=“framework/css/bootstrap.min.css" rel="stylesheet" />
 </head>
 <body>
    <div class=”container”>
      <div class="row"><div class="col-sm-12"><p>A</p></div></div>
      <div class="row">
        <!—Your calculator code here -->
      </div>
      <div class="row"><div class="col-sm-12"><p>C</p></div></div>
    </div>

    <!-- Bootstrap javascript plug-ins -->
    <script src=“framework/js/bootstrap.bundle.min.js"></script>
   </body>
</html>
```

3. Write the HTML code using div tags with appropriate Bootstrap class attribute value to indicate row or column. The content of the innermost div tag will be a paragraph tag containing the calculator key value. The display will contain the value 0.

4. Remember to save the document and backup your work! Storing your work in multiple locations will help ensure that you do not lose anything if one of your computers fails, or you lose your USB Key.

Note: This is one of the tasks you need to submit to Canvas. Check the assessment criteria for the important aspect your tutor will check.