

IMY 220

Practical 1:

CSS + Bootstrap

Due: Friday 26 July @ 11:30

The submission instructions are available on ClickUP. Any deviation from these instructions will cause a 10% deduction from your mark.

Instructions

- Use CSS and Bootstrap to make webpage content responsive and add simple styling.
- The screenshots provided will show you what the results must look like (including for different screen sizes).
- Download *index.html* from ClickUP. You are not allowed to remove any code from this file, although you will need to write additional HTML.
- Download and include the newest version of Bootstrap or include it the CDN version. You will only use the CSS for this practical (and you don't need to include both CDN and local as a fallback).
- You will also need to write additional CSS, which must be contained inside a separate file called *style.css*.

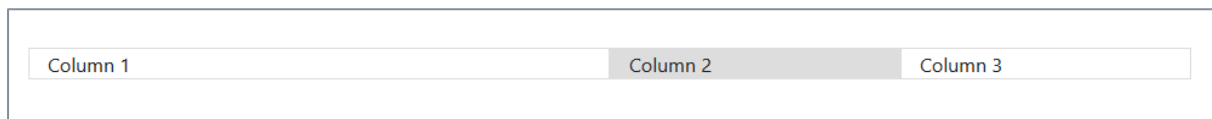
Section 1

In the section-element with an id of section1, two divs have already been created for you and filled with three and four child-divs respectively. You must use the Bootstrap grid system to set the widths of these child-divs based on the width of the screen and give them some basic styling.

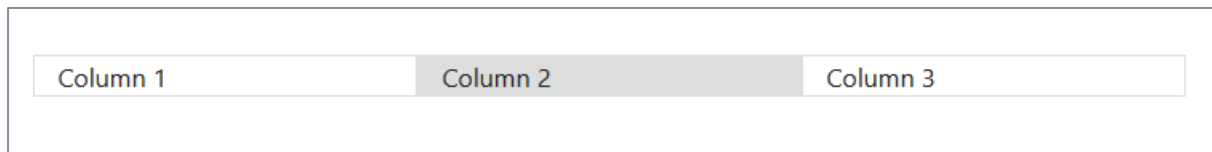
Row 1 (div with an id of row1)

- On screens $\geq 992\text{px}$, Column 1 should fill half the row and the other columns should fill the remaining half and be equally sized.
- On screens $\geq 576\text{px}$ and $< 992\text{px}$, each column should be equally sized.
- On screens $< 576\text{px}$, Column 1 should fill the width of the row and the remaining two should fill it underneath and be equally sized.
- Create a CSS custom property (CSS variable) and set it to a light grey colour value.
- Use a substring matching attribute selector to select all column-divs, in other words all divs with a class-attribute starting with "col", and give them a light grey border using your custom property.
- Use a pseudo-class to select the second column-div and set its background colour to light grey using your custom property.
- This should look as follows:

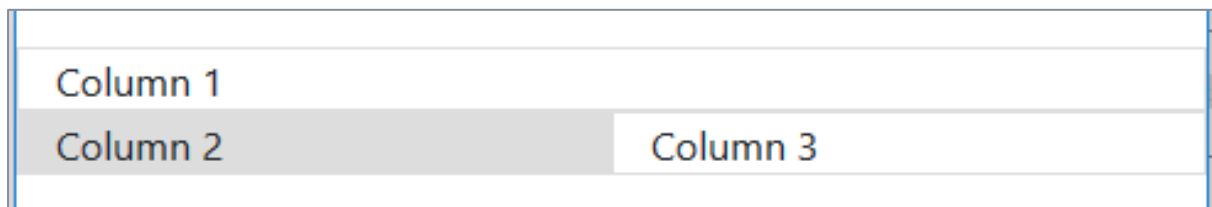
≥ 992px



≥ 576px and < 992px



< 576px



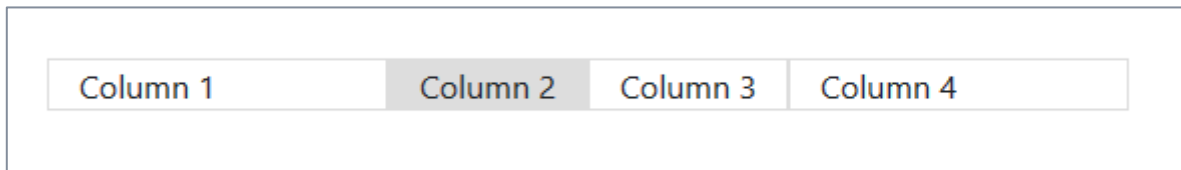
Row 2 (div with an id of row2)

- On screens ≥ 768px, Column 2 should fill a third of the row, Column 4 should fill a quarter, and the remaining two (Column 1 and 3) should fill the rest and be equally sized.
- On screens ≥ 576px and < 768px, the width of Column 2 and 3 should depend on the width of their contents and Column 1 and 4 should fill the rest of the row and be equally sized.
- On screens < 576px, the first two columns should fill the width of the row (and thus be stacked underneath one another), Column 3 should fill half the row and be moved so that it touches the right of the row, and the Column 4 should fill half the row and be positioned in the center.
(Note: you **have** to accomplish this using Bootstrap column-classes, no extra CSS for this step).
- Using your custom property, also give the column-divs a light grey border and give the second column-div a light grey background (similar to Row 1).
- This should look as follows:

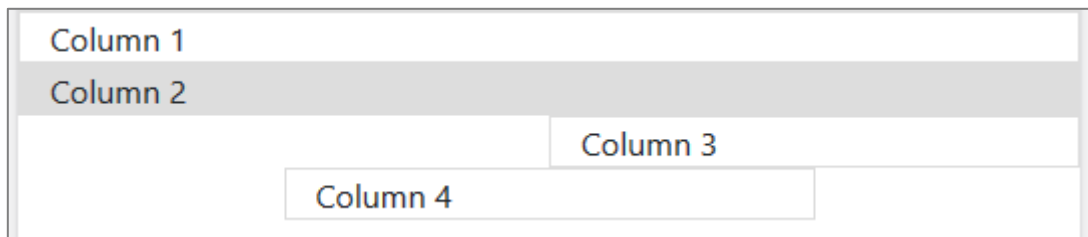
≥ 768px



≥ 576px and < 768px



< 576px



Additional Information

- Refer to the slides as well as the Bootstrap website (<http://getbootstrap.com/>) for help

Submit only the following file(s) according to the submission instructions.

- *index.html*
- *style.css*
- *Bootstrap (the entire file with css, fonts, and js subfolders) if you downloaded Bootstrap*