

IMY 220

Practical 1:

CSS + Bootstrap

Due: Friday 14 August @ 14:00

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.
- Use the CDN to include the latest version of Bootstrap. 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 $\geq 992\text{px}$, each columns should be equally sized.
- On screens $\geq 576\text{px}$ and $< 992\text{px}$, the first column should fill 7/12 of the row and the other two should fill the rest of the row and be equally sized.
- On screens $< 576\text{px}$, each column should fill half the row and be aligned to the right.
- You have to apply the above three using Bootstrap's grid system classes to earn marks.

- 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

Column 1	Column 2	Column 3
----------	----------	----------

≥ 576px and < 992px

Column 1	Column 2	Column 3
----------	----------	----------

< 576px

	Column 1
	Column 2
	Column 3

Row 2 (div with an id of row2)

- On screens ≥ 768px, the width of Column 4 should depend on the width of its contents and the other columns should fill the rest of the row and be equally sized.
- On screens ≥ 576px and < 768px, Column 1 should fill 5/12 of the row and the other columns should fill the rest of the row and be equally sized.
- On screens < 576px, the first three columns must each fill a quarter of the row and be spaced out as indicated below. The last column must fill the width of the row.
- You have to apply the above three using Bootstrap's grid system classes to earn marks.
- 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:

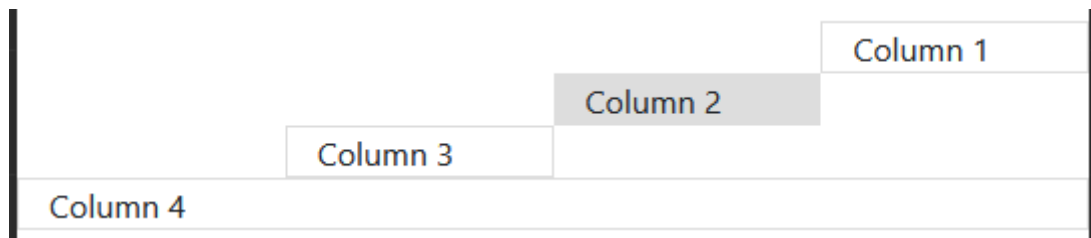
≥ 768px

Column 1	Column 2	Column 3	Column 4
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≥ 576px and < 768px

Column 1	Column 2	Column 3	Column 4
----------	----------	----------	----------

< 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*