


3.4 Activity: Module 3 practical exercise

Purpose


For this exercise, you will apply CSS styles to the selected HTML elements. You will need to use media queries to create a responsive page design. You will be provided with a number of files that you will need to edit and upload to your TWA site to achieve a **responsive page layout**.

This exercise will not be assessed as part of [Assignment 2A: Practical exercise set 1](https://canvas.westernsydneyonline.edu.au/courses/1261/assignments/15051) (<https://canvas.westernsydneyonline.edu.au/courses/1261/assignments/15051>), however it is vital that you complete this activity to consolidate your learning through practical application of this module's content.

Don't forget to test your work before you publish using the [W3C validation tool](https://validator.w3.org/) (<https://validator.w3.org/>) (W3C, 2013) and [CSS validator](https://jigsaw.w3.org/css-validator/)  (<https://jigsaw.w3.org/css-validator/>) (W3C, 2009)!

Task

Step 1: Download the following zip file. This file contains one HTML, three images, and one CSS file.

- For Windows: [Module 3 Windows files \(ZIP 335 KB\)](https://canvas.westernsydneyonline.edu.au/courses/1261/files/881987?wrap=1)
(<https://canvas.westernsydneyonline.edu.au/courses/1261/files/881987?wrap=1>) 
(https://canvas.westernsydneyonline.edu.au/courses/1261/files/881987/download?download_frd=1)
- For MACOSX: [Module 3 MACOSX files \(ZIP 3 KB\)](https://canvas.westernsydneyonline.edu.au/courses/1261/files/881986?wrap=1)
(<https://canvas.westernsydneyonline.edu.au/courses/1261/files/881986?wrap=1>) 
(https://canvas.westernsydneyonline.edu.au/courses/1261/files/881986/download?download_frd=1) .

Step 2: Upload these files to your TWA website in the following locations:

- HTML files: practicals/week4 folder
- image files: practicals/images folder
- CSS files: practicals/css folder.

Note: The file static.html that is provided in the zip contains HTML. **Do not** change the content of this file in any way.

Step 3: Next, you will need to **edit** the external.css CSS file that you have uploaded to the week 4 folder to achieve a responsive page layout.

Note that the CSS file named external.css already has the following CSS rules written for you. **Do not change these rules:**

- all elements have a typeface of Arial, sans-serif; zero margins and zero padding
- background colour for the header is set to #004165
- all h1 tags have a font size of 2.0em and a colour of #333333
- all horizontal rules have a top border width of 1px, a border style of dashed, border colour of #000000, a top margin of 5px, a bottom margin of 5px
- all article tags have padding all-around of 20px
- all first direct paragraphs of a section have their first letter with a font size of 1.5em, a colour of #ff0000, a font family of Times New Roman and serif
- all elements with the class of right-floated-image have a floating position of right, a border width of 1px, a border style of solid, border colour of #000000, padding all-around of 5px.

Step 4: Add the appropriate rules to achieve the following (you may find it helpful to check off each task on this page as you add the rule):

CSS rules to apply:

- ☐ The image with the id logo needs to have padding all-around of 5px.
- ☐ The nav tag needs to have a floating position of right, and padding all-around of 20px.
- ☐ All anchor tags that are children of the nav tag need to have a colour of white, no text-decoration, and a right margin of 20px.
- ☐ All anchor tags that are children of the nav tag and in a state of hover need to have a text-decoration of underline.
- ☐ All direct unordered list children and their list items of the nav tag need to have a display of inline-block.
- ☐ All elements with the class of info-boxes need to have a text alignment of centre, and padding all-around of 5px.
- ☐ All elements with the class of info-box need to have a display of inline-block, padding all-around of 10px, background colour of #004165 and a width of 31%.
- ☐ All paragraph tags nested within elements with the class of info-box need to have a colour of #ffffff, a font-weight of bold, a bottom border width of 1px, a bottom border style of solid, and a bottom border colour of #ffffff.
- ☐ All div tags nested within elements with the class of info-box need to have a text alignment of centre.

- ☐ Create a media query for the screen with a max-width of 1000px. The media query should have the following rules:
- All elements with the class of info-box to have a width of 95%, and a top margin of 5px.
 - All h1 tags need to have a font size of 1.5em.
 - All elements with the class of right-floated-image need to have a text alignment of centre, and a floating position of nothing.
 - All nav elements need to have the right padding of 5px.

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Step 5: Compare your responsive page layout to the images contained in [Module 3 practical exercise screen dumps \(PDF 1.6 MB\)](#).

(<https://canvas.westernsydneyonline.edu.au/courses/1261/files/882058?wrap=1>)_ [↓](#)
(https://canvas.westernsydneyonline.edu.au/courses/1261/files/882058/download?download_frd=1) .

Figure 1 and Figure 2 are screen dumps of the static.html page in desktop and mobile mode respectively **after** all the changes have been applied to the CSS rules.