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# Web Technologies – Exercises: Week 3

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In this exercise you can experiment with CSS positioning to finish the 2<sup>nd</sup> flag from “Week 2” and do a simple 2-column layout in “Task 2” below.

## Outcomes:

By the end of the third week, you should be able to:

- Use simple CSS positioning to lay-out elements of a web page.

## Task 1: Do the week 3 quiz.

Find it in the ‘Exercises’ folder on StudySpace. As usual, your best mark before the end of the next lab session contributes to the 10% “quiz mark”. As you can do it as many times as you like why not aim for 100%?

## Task 2: Experiment with CSS positioning.

In this exercise you will create a two column web page layout using CSS positioning.

**NB:** As you need to validate the document at the end I’d recommend using [Notepad++](#) or Dreamweaver as your editor and validating the document each time you complete one of the numbered points below (Dreamweaver has a validator built-in; Notepad++ & HTML Kit have “HTML Tidy” which is *not* a validator but can give useful guidance).

Alternatively, use Firefox to preview the page and install the *excellent* [HTML Validator](#) add-on to validate automatically each time you refresh.

1. Create a web page entitled [2col.htm](#) that includes a sensible page title and a style sheet in the **<head>** block.
  - As you may need to mix absolute and static/relative positioning it will help if you use CSS to remove all **margin** and **padding** from the **body**.
2. Give the layout a header that has a width of 500 pixels – that’s a width suitable for an 800x600 pixel display .... is that an acceptable screen size to aim for?
  - a) Inside the header, add the KU logo on the left and your name as a suitably large level 1 heading on the right.
    - There’s certainly more than one way to arrange this...
  - b) Make the header a suitable height.
3. Beneath the header create two fixed-width columns using CSS, *not* a table, with the following dimensions & elements:
  - a) The two columns should be 500 pixels wide in total, to match the header.

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- Remember that absolutely positioned elements are removed from the document flow so they can appear in unexpected places! Experiment...
- b) Make the left-hand column 200 pixels wide.
- Add in the left hand column a photo of yourself that can be clicked to send an email to your KU address.
  - Ensure there is suitable ALT text in the `<img>` and title text in the `<a>`.
- c) Make the right-hand column an appropriate width so that conceptually your layout looks like this:

Header: Logo & heading

Left: Photo

Right: Information.

- In the right-hand column give some brief details about your course including course code and year of study.
  - Below that (still inside the column) add a list of modules that you are studying this year.
  - Make the reference for Web Technologies link to the appropriate module on Blackboard.
4. Validate your XHTML and CSS, add the validation badges to the left-hand column then *revalidate* to make sure you've not just broken it!
- You may end up with something that looks vaguely like the picture on the right, although perhaps with a newer KU logo ;-)
5. Style it! At least:
- Change the heading fonts.
  - Use images for bullets.
  - Put a border around the links.
  - Add a hover effect so that, for example, the border expands when you hover over a link.



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### Task 3: Minesweeper stage 0 & 1?

You've had enough time to think about what's involved with the Minesweeper so stage 0 should be in the bag ... you also know enough XHTML and CSS to create a bare grid for stage 1 incorporating some sample graphics.

This concludes the third week's exercises ... *before next week* make sure you have done all of today's mandatory tasks, have done the reading (chapters 1—3 of the JavaScript text books) and have made a backup of your work so far!