**Practical 3, independent study and reading**

**Practical – HTML & CSS**

**HTML and CSS**

***Please complete earlier work …***

By now you should have prepared pure HTML versions of web pages.

***As a separate exercise …***

Revisit your web pages and re-engineer these with the additional elements below and using CSS (you may modify the appearance of your original page as you please) to demonstrate the following:

* A visitor feedback form
* CSS control of all aspects of presentation including
  + Use of CSS classes (anonymous and named)
  + Use of CSS identifiers
  + CSS modification of background elements (images, colour and other properties)
  + CSS manipulation of text and text decoration
  + CSS control of borders (e.g. width, colour and styles), for example in any tables
* Having finalised your CSS place this in a linked file (referenced from the head element – see lecture notes).

***Some suggestions for elements to style*:**

**<body>** // huge potential for controlling background colour, background images (these can also be made to tile/repeat/appear at positions – but remember there is a penalty in band width – a small repeating image will take less resources to download than a single large image), font-family/-size/colour. A note on colour – can use names/rgb values/hex values or set to transparent.

**<p>** // A good one for use of classes – e.g. <p class=”specialEmphasis”> - can also ‘decorate’, indent, transform (upper/lowercase).

**<h1 ... h6>** // Good for use of identifiers – e.g. <h2 id=”pageHeading”> thus ensuring that top page headings are only used once – apart from usual font controls this is a good place for text-decoration.

**<ul> / <ol> / <li>** // Could use a default form of emphasis – e.g. for <li> items. Can also change the style of bullets (discs, circles, squares, none).

**<DL> / <LH> / <DT> / <DD>** // These elements are used for “Definition Lists” (relevant to our practical sessions and CW1 – read more here <http://www.w3.org/MarkUp/html3/deflists.html>). Huge potential for applying your own ‘brand’ style.

**<table> <tr> <th> <td>** // Perhaps apply default styles to the borders of tables, colours of table header backgrounds etc.

**<image>** // is it possible to have a default class for images specifying conditions of borders, width and (***for the very adventurous***) how about opacity that changes to opaque on mouse rollover (see <http://www.w3schools.com/css/css_image_transparency.asp> and <https://www.w3schools.com/css/tryit.asp?filename=trycss_image_transparency>)

**Reading:** Chapter 4 (only pp 76-96) in - ***Moseley R (2007) Developing Web Applications. John Wiley.*** Alternative CSS texts are acceptable. Do ensure that these cover topics surrounding CSS control sufficiently for completing practical work.