# CSI 3140 – Laboratory 2

## Exercise 1: basic HTML elements

We will have a working version of a web server install on your machine for this exercise.

### Question 1.1

At the root (/) of your Web server, create two sub directories:
- ➢ /doc
- ➢ /img

Get two arbitrary images, one large, one small, (say small.png and large.png) and install them in your /img directory

### Question 1.2

**Using a text editor**, create two html pages in the doc directory, first.html and second.html, using XHTML 1.0 Strict, with the following content:

*first.html*: one top level section, two second level sections. In the first subsection, a short text containing italicized words and emphasized words. In the second subsection, the image "small.png", and a short text, **both** (the image and the text) hyperlinked to the page second.html. Use only **relative** references in this page (for the image location and for the hyperlink). The width of the displayed image must be 100 pixels.

*second.html*: similar to first.html, except that it loads the image "large.png", displayed with a width of 500 pixels, the hyperlink is back to the page "first.html" and it uses only **absolute** references  (for the image location and for the hyperlink)

### Question 1.3

Use http://validator.w3.org/ to validate both pages, and correct it if necessary.

## Exercise 2: a new presidential web site

The web site http://www.whitehouse.gov/ was upgraded last year. A copy of the page accessed in the afternoon of January 22 2009 is accessible on the class's web site.

### Question 2.1

Get the page from the course's web site. Notice that it doesn't display correctly. Why? How to fix this (in January 2009, that is)?

### Question 2.2

Using http://validator.w3.org/, see that the page checks. Change the type from "XHTML 1.0 Transitional" to "XHTML 1.0 Strict" and revalidate. Understand all the errors, and fix them.

**To go further:** grab a copy of some web site (such as the current copy of http://www.whitehouse.gov, or the university's site, or site course's site), and try to modify it so that it validates as XHTML 1.0 Strict