
INFS3202/INFS7202 Web Information Systems

Practical 1 – HTML, XHTML and CSS

The goal of this practical is to explore HTML, XHTML and CSS. This assignment counts for 5% of the total unit assessment. You must present this practical to your lab tutor during your scheduled lab sessions in week 4. There are totally 2 tasks.

A step-by-step guide is provided for you to do this prac. Discussion with your classmates and seeking help from your lab tutor are permitted; however, it is not allowed to copy other people's code, except those used in the lectures.

Marking guideline: For each task, 0 marks for doing nothing; 1.5 marks for partial completion; 2.5 marks for completion (no mistake/error).

Task 1 – HTML and XHTML

In this task, you are required to make the following page:

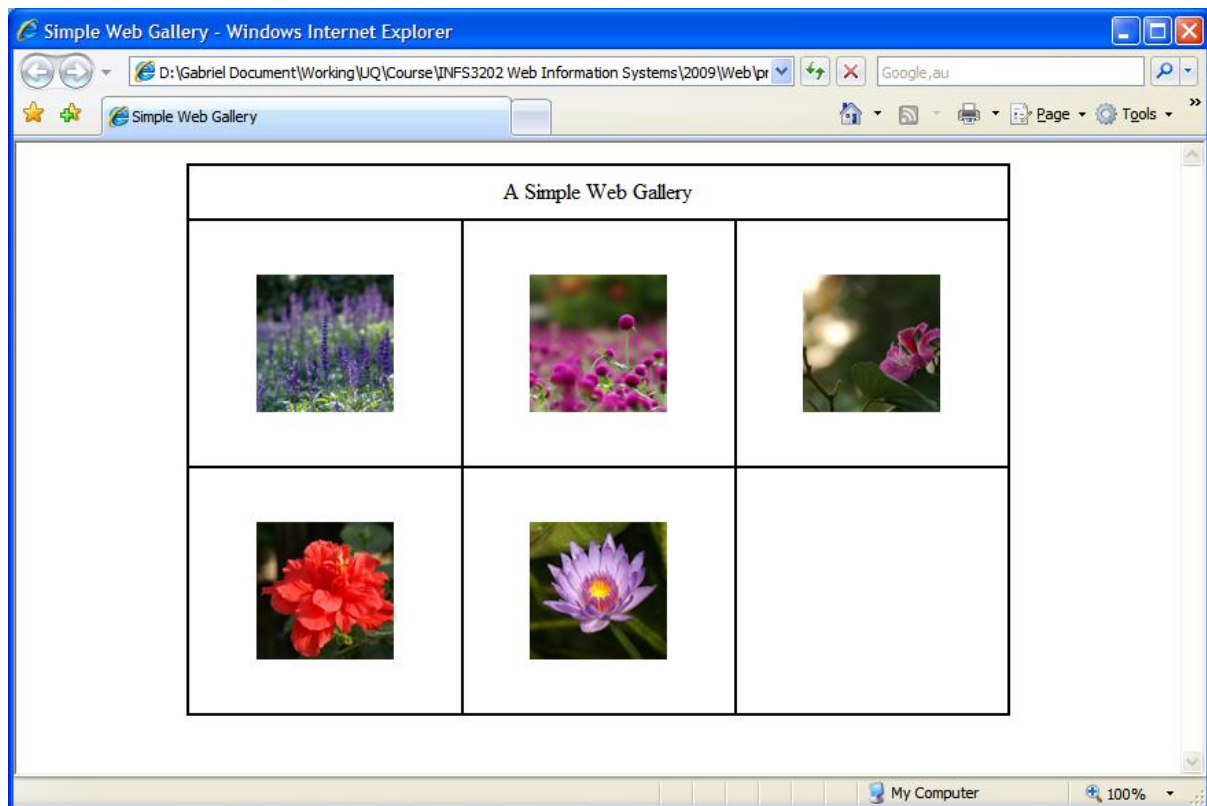


Figure 1: A Simple Web Gallery

When you click on a photo in the simple web gallery in Figure 1, a new page will appear that contains the target image:

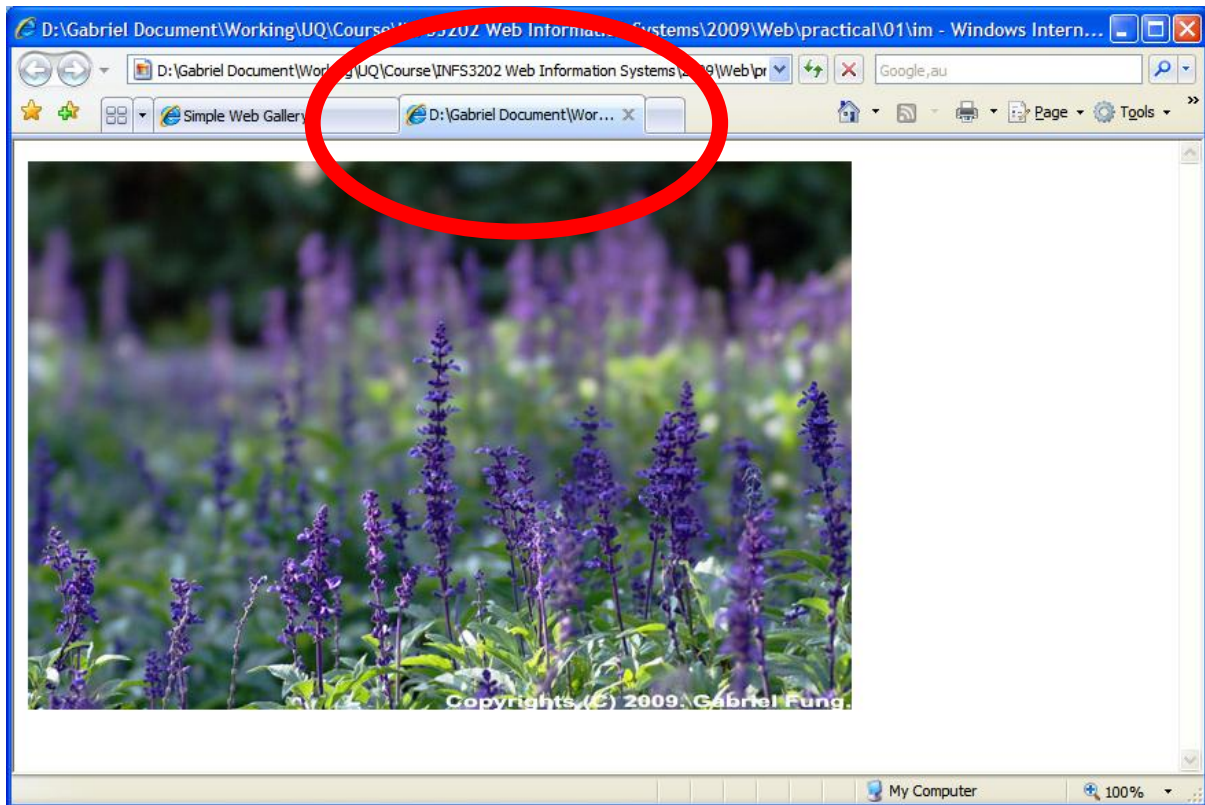


Figure 2: An Image

Guideline:

1. Create your web page in the folder: H:\webpages.
 - a. You may want to use Microsoft FrontPage 2003 as the HTML editor as ITEE provided this software. Certainly, you can use any other software. If you use Microsoft FrontPage 2003:
 - i. Open Microsoft FrontPage 2003 (Start > All Programs > Microsoft > Microsoft FrontPage 2003)
 - ii. In Microsoft FrontPage 2003, Click:
 1. File > Open Site
 2. Choose H:\webpages\ and Click Open
 3. Click OK to add FrontPage Information to the Folder
2. Download the images from <http://www.itee.uq.edu.au/~uqgfung/inf3202/photo.zip> and unzip the contents into the folder H:\webpages\images.
3. Create a new HTML document in H:\webpages\ and named it as "practical01.html".
4. Write the simple web gallery in Figure 1 with the following specification (Watch the AVI files in the lecture notes will always be helpful):
 - a. The title of the document is "Simple Web Gallery".

- b. The page language is English (Australia) and the HTML encoding is US (ASCII). They must be set in the header.
 - c. Each image is in the centre of the cell.
 - d. Try to mimic as close as possible to Figure 1.
 - e. When you click on a photo in the simple web gallery in Figure 1, a new page (similar to Figure 2) will appear that contains the target image.
 - f. The HTML must be XHTML compatible.
- Hint: In the code panel. Right click and select "Apply XML Formatting Rules".

Task 2 – CSS

The simple web gallery in Figure 1 is a bit ugly. We try to make it more professional like this:

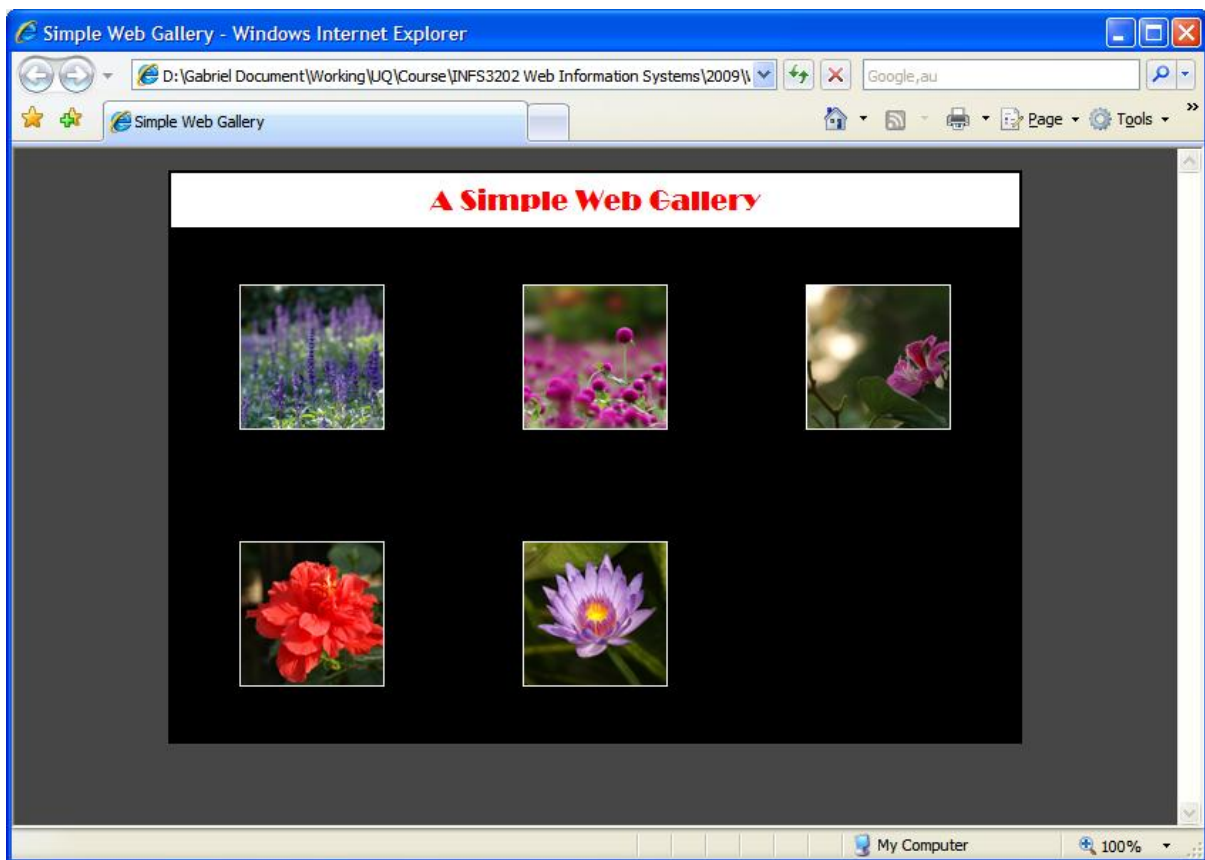


Figure 3: A More Professional Web Gallery

Guideline:

1. You MUST use CSS to make any change of the outlook of the HTML.
2. You MUST link the CSS file externally (CANNOT write within the same HTML document. Refer to Lecture Note P.33 – 35).
3. You MUST put the CSS files in the directory H:\webpages\css. If this directory does not exist, create one yourself.

4. Some specification (read Lecture Notes 28 – 32 will always be helpful):
- a. The background color is #464646.
Hint: (1) Define a class: "background-color: #464646" in the CSS file. (2) Use this class in the body tag.
 - b. The font family is BroadWay.
 - c. The font size is 20px.
 - d. The font colour is red.
Hint: Try simply type "red" in the CSS?
 - e. The background color for the top most cell is white.
 - f. The background color for the cells containing the images is black.
 - g. There is a 1px thick white border around each image.
Hint: Define a class: "border: 1px solid #FFFFFF;" in the CSS file. Use this class in all image tags.