COA123 Web Programming

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Lab 1: Introduction to HTML/CSS and sci-project server

Objectives:

- Practice and review lecture content.
- Create simple web pages using basic HTML/CSS.
- Upload your web files to sci-project server and view them from a web browser.

* All documents/code required for this lab session are available on Learn - Week 1 Lab Source Files

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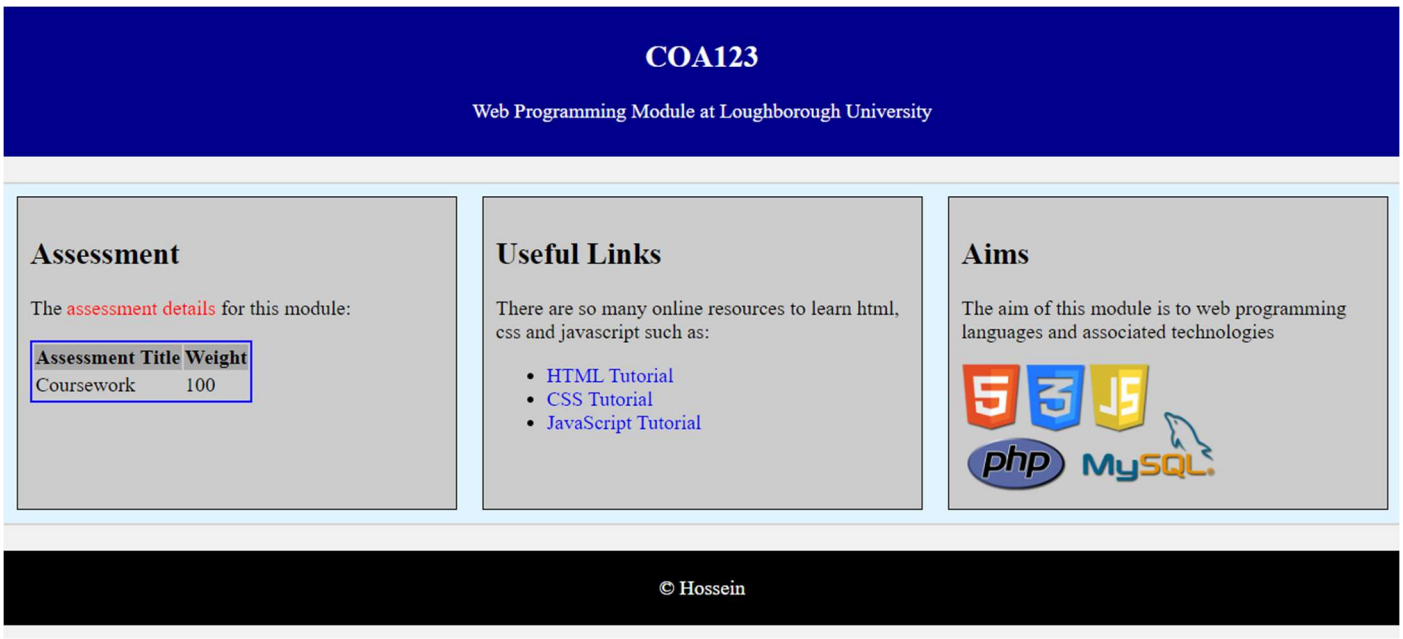
1. Download all files from Week1 Lab files. Save them locally. Open and inspect the code using Notepad++ and complete the requested tasks in **page1.html**, **page2.html**, and **page3.html**. Run all pages in Chrome or Firefox on your local computer. Why the php command in **page4.html** does not work on your local browser? Why cannot we run **page5.php** on our local browser?

2. Upload the above files to **sci-project server**
   Following the instruction in "sci-project Server Connection", upload your web files (.html, or php) to sci-project server, and run them from Chrome or Firefox.

   Note: html and JS code can be interpreted by a web browser. However, PHP code needs to be interpreted by a PHP programme, thus you need to upload your web app (if includes PHP) to a server (like sci-project) running the PHP program. You will gain this experience later in this module.

   You can generate folders (e.g. lab1) under your "web" directory to manage your work for this module better. Please note the folder and file names are CASE sensitive on the sci-project server! When you put a web application (e.g. .php or .html) in the "web" directory, you can run it from a web browser using URL (Ref. "sci-project Server Connection"). Run all your page1 to page5 files that are located on the server by calling their URLs from your local browsers.

3. **More challenging**: After reviewing the lecture content, and doing the above tasks, try to create a **responsive** HTML page which should look similar as follows on large screen sizes (>= 800px)



and look similar as below on small screen sizes (<800px). Call your file **responsive.html** and upload it on sci-project. To make your code more readable and easier to maintain, use HTML5 **semantic elements** in your code.