Assignment 1 (40 marks – worth 8%)

Module	Website Creation
Due For Completion	Beginning of practical class in **week 6**
Software Used	Plain text editor, such as: • Notepad/Notepad++ (Windows) • Atom (Mac/Windows) • Sublime Text (Mac/Windows) Internet Browser **Use of web development software carries severe penalty.**

Your first assignment is to create a website on any topic that is of interest to you (within reason ☺). The website will need to have minimum of 3 webpages (HTML files). This means that you have an index page that will link to other pages and vice versa.

The key for this website to be a success is for you being able to demonstrate that you have used key design principles to create your site.

1. Designing your website (3 marks)

To create your website, you must know the following first (answers to be incorporated in Part 5 Question 1):

- What is the website's topic?
- What pages would be included? Are there subtopics in each page?
- Who are your audience?
- What colour scheme suits your audience?

Tips on designing your website: webdesign.about.com/od/webdesigntutorials/a/aa070504.htm

2. Creating web pages using HTML (22 marks)

First create a new folder, which include your student ID as part of the folder name. Inside this folder, save your webpage files called **index.html**, **mypage1.html** and **mypage2.html**.

To edit your webpages, open the webpage files in Notepad/Notepad++/TextWrangler and write HTML codes in the files.

Windows user: Notepad++   http://notepad-plus-plus.org/
MacOS user: Atom   https://atom.io/
                Sublime Text   http://www.sublimetext.com/

To find how to write HTML code read the tutorial and websites:

- www.htmliseasy.com
- www.w3schools.com
- www.webmonkey.com
- www.htmlgoodies.com

Your website must include the following elements:

- **In all pages (index.html, mypage1.html and mypage2.html)**
  - Relevant title that include your student ID
  - Headings
  - Reasonable amount of text (minimum of 250 words per page)
  - Pictures
  - Links to your webpages (index.html, mypage1.html and mypage2.html) [Internal Links]
  - References from where you took pictures and text (source must be provided as comments)
- **In index.html**
  - Link to an external website on WWW in [External Links]
  - Links to two sections within the same page (not including to top or bottom of the page) [Inline Links]
  - A list of at least four content items (at least one list, non-navigational/non-menu list)
  - A table with at least three rows (one heading row and two general rows) and four columns (3x4) (at least one table)
  - Embed a dynamic social media component (not embedding a YouTube video (singular content), examples are Twitter timeline, YouTube playlist, etc.)

Please note that proper nesting of tags is a must. Not having these elements in the correct pages will incur penalties.

3. Formatting your website using an external CSS (5 marks)

Cascading Style Sheet (CSS): The CSS should define the style of your webpages. All design elements used on your website should be defined and controlled via the CSS.

For help with CSS, search on:

- www.htmliseasy.com/css_tutor/
- www.w3schools.com/css/

Your **external CSS** must contain styling and formatting for a minimum of **six (6) declaration blocks** of different styling with at least **five (5) different properties** utilised. **Your external CSS must be used by all webpages**.

4. Using JavaScript to add dynamic/interactive element (4 marks)

JavaScript: The purpose of JavaScript is to add interactivity to your webpages. You must be able to demonstrate that you have incorporated at least 2 different JavaScript scripts that are **content relevant** to your website content within your website (**no pop-up alerts, cursor, date/clocks, calendars, counters, calculators, games, buttons, search bar, anything with changing colour**). You **must edit** both scripts to suit the content of your website.

For help with JavaScript ideas go to: http://www.jsmadeeasy.com/ or http://www.javascriptkit.com/

Your lecturer and practical teacher will assist you with these concepts and how best to use them within your website.

5. Discussion Questions (6 marks)

Part of the assignment is to write a report (600 – 1000 words) answering the questions specified below.

1. Explain your design for your website with justification (include items from Part 1 above).

2. What are the two JavaScripts you incorporated into your website? In which webpage did you incorporate them? How does each of them improve your website? What did you change in the scripts?

3. If your technological ability were limitless, what else would add to this website? How would it look, what features would it have, etc.? How would it communicate the topic better?

4. Find a non-social media and non-search engine website (corporate, government, education, or mass media), that you admire and provide the URL. What specific elements do you think are admirable about the website (Design? Content? Layout? Overall impression? Cool technology?)

Submission

For your submission you will need to submit and present the assignment to your practical teacher in class in week 6. **Your tutor will provide submission instructions, which may vary from one class to another**. You must go to the practical class you officially enrolled in. No late submissions will be accepted.

Your practical teacher may ask some questions in regards to the assignment if necessary.

Marking Guide

The assignment marker(s) will view your webpages on a maximised web browser with display resolutions between 1600 x 1024 and 1920 x 1080.

Your mark will be loaded on iLearn.

Marking guidelines:

- Design (3 marks)
  - Reasonably clear and appealing website
  - Unlike the sample websites
- HTML (22 marks)
  - Applied to every pages
    - Relevant title (using the title tag)
    - At least a relevant heading (using the standard headings tags H1, H2, etc.
    - Relevant text in all the pages (at least 250 words per page)
    - At least one relevant image
    - Link to at least another internal page (Internal links)
    - References provided as comments for info, image, video, etc.
    - Using proper tags and proper nested tags
  - Applied in index.html
    - At least an external link
    - At least two inline links (must have bookmarks & links)
    - At least one relevant list with at least four items
    - At least one relevant table with at least 3 rows & 4 columns with table headings
    - At least one embedded dynamic social media component
- CSS (5 marks)
  - Using an external CSS for all pages
  - Consist of a minimum of 6 declaration blocks with different styling
  - Utilising a minimum of 5 different properties
- JavaScript (4 marks)
  - At least two relevant and modified Java Scripts incorporated (no pop-up alerts, date/clocks, calendars, counters, calculators, games)
- Discussion Questions (6 marks)
  - We are serious about the requirement in the explanation and discussion category. It is not easy to obtain full marks in this category - only the very best students will do so.