INT222 Lab 4 – Section B

Submission Deadline:

Thursday, Nov 17th, 2016 @ 11:59 PM

Assessment Weight:

5% of your final course Grade

Objective:

- To create a personal website with a **professional appearance**.
- To use effective design in creating website.
- To obtain hands-on skills and to enhance knowledge of HTML5 and CSS3.

Specification:

In this lab you will have the opportunity design & implement a personal website to post blog entries and present your academic and personal life. This can be a great resume piece to show potential employers, so try to spend time on the design.
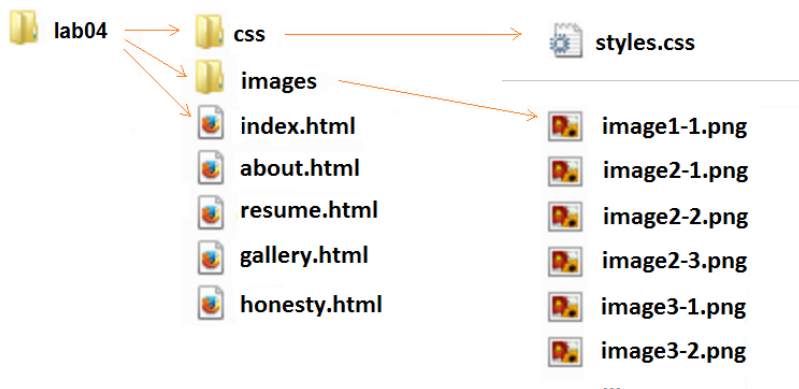
To begin, create a folder named **lab04** as the website base (top) folder, and then all your website content will be created inside the folder. When the lab is complete, this folder will be compacted to a **zip file** and submitted to **My.Seneca**

Website Structure & Navigation

The website must have **five (5)** pages:

- **index.html**
- **about.html**
- **resume.html**
- **gallery.html**
- **honesty.html**

and must use the following **folder (directory) structure**:

The **styles.css** file under the **css** folder must be used to serve **all web pages**, i.e. all HTML files should use the same "external" style sheet file for creating menus or other styles. Make use of comments to organize your file.

The **images** folder is used store **all image files of the website**, including the images used by the image gallery. You can change the name and type of images under the images folder, but the other files/folders must be same as those shown above.

The website **must** incorporate a **two-level navigation menu (See Lecture 6 part 2 "Multi Level Menu Options")**:

- The **first level** menu includes the following **7 items:**
    - **Home** – links to index.html
    - **About** – links to about.html
    - **Resume** – links to resume.html
    - **Courses**
    - **Gallery** – links to gallery.html
    - **Honesty** – links to honesty.html
    - **Links**
- The **Courses** and **Links** menu items have **second level (sub) menus**:
    - The **Course** sub menu will contain links to the course outlines for **all courses that you are currently enrolled** in, ie: since you are enrolled in INT222, you will include "**INT222**" in your second-level menu that links to: "**https://ict.senecacollege.ca/course/INT222**". If you're also taking OOP244, you will include "**OOP244**" that links to: "**https://ict.senecacollege.ca/course/OOP244**", etc, etc.
    - The **Links** sub menu has two items: "**Item1**" and "**Item2**". Both of which link to "#" (a "placeholder" location that simply scrolls to the top of the current page).

Website Structure & Navigation

All web pages on the site must have the same theme and **identical navigation menu** and **footer**.

- The **header** will hold a **two-level menu** (as outlined above).
- The **footer** should contain the text "**©2016 – [your name]**".

The "Home" page: index.html

- This is the starting page of the site and will show all of your blog entries

- At the beginning of the page, show your blog title, such as **Peter's Blog**.

- This page uses a **three column layout** (See Lecture 6 part 2 "Web Page Layouts"):

    a. **1st column** (left) must contain your **portrait/photo**, **location**, **email link**, as well as any other **links/detailed information** that you may wish to include.

    b. **2nd column** (center) must contain the **entries** (**articles**) of your blog (**see below**).

    c. **3rd column** (right) must contain a **list of links** where each item in the list links to the **id** of the corresponding **blog post article**. When the user clicks on one of these links, the page will jump to the corresponding blog entry.

- You must set a **class** attribute for the **page container** (ie: class="main-container") and **each column** (ie: class="left-column", or "center-column") and use these classes to style your containers.

- In the **center** column, you must use an **article element** for each post for your blog (give each **article** a unique **id value** to be used in your **list of links**). Nested within each article element, there are **three elements: header,**

section, footer. The values of the **class** attributes for these elements should be named: "**post-entry**", "**entry-header**", "**entry-content**" and "**entry-footer**".

- Place the **author name, post created time, post tags** (ie: "Tags: HTML, Tables, Design") in the **footer of each article** in order to provide information about the post (article).

- Create at least **3 short blog posts (articles)** to demo the blog functionality of your site. Make each post about the usage of HTML elements and/or CSS. For example, "Using tables in HTML", or "Examples of using a nested list in HTML", or "Cool CSS3 Styling Techniques".

- You are **NOT allowed** to use the <table> element for creating the columns, header & footer sections as described above (use the float: left; and clear: both; method as discussed in class).

The "About" page: about.html

- This page uses a **one-column layout** (See Lecture 6 part 2 "Web Page Layouts"). Give a brief description of yourself, such your current program, school, courses, and so on.

The "Resume" page: resume.html

- This page uses a **two-column layout** (See Lecture 6 part 2 "Web Page Layouts"), used to present your resume. Your resume should have at least **5 sections**: **PROFILE**, **SKILLS**, **EXPERIENCE**, **EDUCATION** and **HOBBIES**. The resume should be in the **main column**, and you decide to put what inside the aside column.

The "Gallery" page: gallery.html

- This page uses a **one-column layout** (See Lecture 6 part 2 "Web Page Layouts"). The page is the place to use pictures to show your hobbies and/or interests. Make use of figure & figcaption elements to describe each image. Position each figure as an inline-block element (ie: http://tinyurl.com/inline-block-figure) so that they will appear side-by-side if possible.

The "Honesty" page: honesty.html

- This page has a one-column layout (See Lecture 6 part 2 "Web Page Layouts") and will show the following content:

  I declare that the assignment is my own work in accordance with Seneca Academic Policy. No part of this assignment has been copied manually or electronically from any other source (including web sites) or distributed to other students.

  Name: [Your name]

  Student ID: [Your ID]

Other Requirements

- Your HTML & CSS must be well-formatted and properly commented where appropriate.
- **Do not forget** to update the **<title>** of each page, ie "Gallery" etc.
- Your code will be evaluated for correctness of syntax and appropriate usage.
- For the page layouts, you must set up columns with **CSS floats** instead of using **HTML tables**.
- For the menu or navigation bars, you **must use CSS.**
- **All CSS** should be in the **styles.css file**
- It's your responsibility to make sure all your work is **copyright free** (ie: only use royalty-free images, etc).
- Each HTML page must **pass** the **W3C's HTML Validation**: https://validator.w3.org/
- All CSS used in the lab must **pass** the **W3C CSS Validation**: https://jigsaw.w3.org/css-validator

Final Submission Guidelines:

a) Zip **all of your files** (ie, **lab04** folder) as **Lab04.zip**

b) Upload the zip file to **My.Seneca** under **Labs -> Lab 4** (same submission procedure as all previous labs)

c) **IMPORTANT**: All **HTML** & **CSS Must not contain any errors** when validated (**HTML**: https://validator.w3.org/, **CSS**: https://jigsaw.w3.org/css-validator)

d) **NO LATE SUBMISSIONS** for labs. Late Lab submissions will not be accepted and will receive a **grade of zero (0)**.

e) After the end (11:59PM) on the due date, the lab submission link on the Blackboard will no longer be available.