**COMP 1950**

**Assignment:** 07 – Create a Web Page using Sass

**Course Value:** 3%

**Due Date:** Before the start of next week's class (Day 09)

**Assignment Description:**

Style an HTML page to match the supplied mock-ups using Sass.

**Instructions:**

1. Open the folder "a-07-start" located in the "day-08" folder
2. Open the "a-07-start.html" file
3. A stylesheet has already been attached to the html file.
4. A blank SCSS (Sass) file has been created for you inside the "scss" folder. You will need to run a Sass compiler on your computer and compile this SCSS file into a normal CSS file. If you are on your own computer, you may need to install Ruby and Sass on your computer. This must be done via the Terminal on a Mac or the Command Prompt on Windows.
    a. Windows users should install Ruby by visiting this site:
        i. https://rubyinstaller.org/
        ii. Then once Ruby is installed, install Sass from the Ruby command prompt by entering in this command:
            1. gem install sass
    b. Mac users can simply install Sass via Terminal prefaced with the "sudo" keyword
        i. From the terminal type: "sudo gem install sass" press enter and follow the terminal instructions
        ii. If you prefer not to use the "sudo" command, then follow the instructions laid out in the "mac-os-sass-install-instructions.pdf" file located in the "day-08" folder
    c. Once Sass is installed you will need to run Sass and watch the SCSS file for changes. To do that, do the following:
        i. Navigate to your project folder from within terminal or the command prompt by using the "cd" (change directory) command
        ii. Once you are at your project's root directory in the terminal or command prompt, type this command and press enter:
            1. sass –watch scss:styles
        iii. The Sass program will now be watching for changes made to the SCSS file or any SCSS files that changes in the "scss" directory. Every time you change an SCSS file, the Sass program will automatically re-compile your Sass into a CSS file and output it into the "styles" folder. This all happens automatically
5. Once Sass is up and running write Sass to make the web site match the provided screenshots.
6. Try and utilize Sass as much as possible. Try using variables, creating partial SCSS files and importing them into the main stylesheet, and try creating mixins and utilizing the mixins in your Sass file(s)
7. This site is fully responsive, so your assignment should be fully responsive and workable down to screen sizes of about 400px in width

8. The CSS and JavaScript code for the responsive navigation system has already been completed
9. The site uses Google fonts. The link to the Google font file has already been included in the HTML. To use the Google Font in Sass, simple create a font-family property with the following value for these selectors
    a. body -> font-family: 'Karla', sans-serif;
    b. h1, h2, h3, nav a -> font-family: 'Montserrat', sans-serif;
10. View your completed web site in a browser
11. When the above steps are complete do the following:
    a. Upload the completed file(s) to your personal COMP1950 web space via FTP
        i. Remember individual assignments and projects should be stored in individual folders. For example, for "Assignment 07" I might make a folder called "a07". I would then upload that folder to my web space
    b. Browse to your completed assignment by navigating to your completed assignment in a web browser
        i. The address should be similar to:
            1. comp1950.michaelwhyte.ca/mwhyte13/a07/a-07-start.html
            2. replace "mwhyte13" with the first part of your my.bcit.ca email address
    c. Once you have tested your assignment in a browser, make note of the URL and copy it.
    d. Go to D2L and find the dropbox for Assignment 07.
        i. Create a text file or a Word document or a PDF that contains a link to your completed assignment
        ii. Upload the text file completed in the above step to the dropbox
        iii. In the Comments section include a link to your assignment

**Marking Criteria:**

This project will be marked out of 3 and will be marked based on the following criteria:

**1)** All Technical Specifications Met 3 marks

**Total: 3 marks**