COMP 1850

Project: Final Project – Create a Multi-Page Web Site

Course Value: 30%

Due: End of day June 28, 2018 – 11:59pm

Project Description:

Develop a 3 or more-page web site on a topic of your choosing. Some example topics might include:

- A web site on a country, city, province or other locale
- A web site for a small business (it can be a fictional business)
    - A coffee shop
    - A restaurant
    - A doctor's office
- A web site for an organization or charity (can be fictional)

Instructions:

1. Select a topic for your web site
2. Develop a 3 or more-page web site using HTML / CSS and JavaScript. Use of PHP is optional.
3. The web site must meet the following technical requirements:
    a. Use HTML5 semantic tags
        i. Don't just use divs everywhere, use the header tag for the web site header, the footer tag for the web site footer, etc.
    b. Use an external CSS style sheet containing custom CSS styles linked to every page on the web site.
    c. Contain at least two images
    d. Contain an HTML table
        i. Make sure you use an HTML table in the correct semantic way
        ii. Use a table for tabular data
    e. Contain an HTML form
        i. The form must contain the following:
            1. At least 3 inputs
            2. A submit button
            3. The backend of the form does not have to function for this project. Just develop the front-end of the form in HTML and CSS
    f. At least one implementation of JavaScript / jQuery somewhere on the page
        i. Some ideas:
            1. You can use a jQuery plugin to add a slide show to your web site
            2. Implement a modal window when the user submits the form
            3. Create a collapsing navigation menu

        ii.   The JavaScript does not have to be advanced, a simple script will fulfill this requirement

g. The web site must have a clear, consistent and a well-designed navigation bar that is located on each page of the web site. The user should be able to navigate to any page of the web site from any page in the website

h. The web site should be usable on a 1920px x 1080px (full HD) display.

i. The HTML and CSS code must be valid
    i. To validate your HTML code visit:
        1. https://validator.w3.org/
    ii. To validate your CSS code visit:
        1. https://jigsaw.w3.org/css-validator/

j. All HTML / CSS / JS / and images and related media files must have web safe filenames
    i. All filenames should be lowercased
    ii. All filename should contain only alpha-numeric characters and/or "_" or "-" characters

k. Web site files should be properly organized
    i. All image files inside an "images" folder
    ii. CSS files in a "styles" folder
    iii. JS files in "scripts" folder

l. The home page of your web site should have the file name of "index.html" or "index.php"

4. When you have completed the above steps upload your site to your personal COMP1850 web space via FTP

a. Remember to store all your related web files in a folder. You should upload the entire folder containing your web site project to your web space

b. Test your web site on the remote server by navigating to your web site in a browser
    i. The URL of your project should be similar to:
        1. comp1850.michaelwhyte.ca/[your-first-part-of-your-my-bcit-email-address]/[the-folder-name-of-your-project]/

5. Once you have completed step 4, create a plain text file or a PDF document or a Word document that contains a link to your web site project. Save this file and upload it to the dropbox for the Final Project located on D2L

6. In the comment section for the dropbox for the final project include a link to your final project

Marking Criteria

- **All Technical Requirements Met:**   **10 marks**
    - o   Followed all the instructions as set out in the instructions section of this document
- **HTML / CSS Code Quality:**   **05 marks**
    - o   Is the code error free and valid?
    - o   Proper use of semantic tags
    - o   Proper use of "alt" text for images
    - o   Are forms properly coded
        - ▪   Do the inputs have corresponding labels?
            - •   Are the labels properly linked to their corresponding inputs?
    - o   Is the CSS code properly organized?
- **Design and Usability of the Website:**   **15 marks**
    - o   Does the web site follow web design best practices?
    - o   Is the content laid out in a professional manner
    - o   Is the content properly aligned
    - o   Is the content properly spaced out
    - o   Are related items placed together in logical groups?
    - o   Is the text content easy to read?
        - ▪   Is the text nicely spaced out?
        - ▪   Does the text have good contrast against its background?
        - ▪   Are long passages of text broken up with headings?
    - o   Is the web site easy to use?
    - o   Does the web site use a clear and consistent navigation across all its pages?
    - o   Is the form laid in a way that looks professional and is appealing to use?
        - ▪   Are the inputs and labels properly aligned?

Marking Summary

- Technical requirements met: 10 marks
- HTML / CSS code quality: 05 marks
- Design and usability of the website: 15 marks

Other Information

- If you have any questions or require assistance, please email me at: Michael_Whyte@bcit.ca.