

## COMP 1950

**Project:** Mid-Term Project – Create a Multi-Page Responsive Web Site

**Course Value:** 20%

**Due:** Before the start of day 07's class

### Project Description:

Develop a 2 or more-page fully responsive web site for a small to medium sized business.

### Instructions:

1. Make up a business (fictional) or choose an existing business to build a brochure web site for
2. Develop a 2 or more-page web site using HTML / CSS and JavaScript (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. The web site must be fully responsive. The web site should work on screen sizes from 320px to 1920px wide. Sites that are unusable at certain screen widths and that do not reflow content in any way from a wide desktop screen to a mobile screen will receive lower marks
  - d. The web site must contain a fully responsive navigation bar with at least 3 items in it.
    - i. The user should be able to navigate to any page of the web site from any page in the website
    - ii. The navigation bar should be fully functional at all screen sizes between 320px and 1920px
    - iii. If your site only contains two pages, then one of the navigation links can link to nowhere (#0).
  - e. 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/>
  - f. 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
  - g. 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 a “scripts” folder
- h. The home page of your web site should have the file name of “index.html”
- 4. When you have completed the above steps upload your site to your personal COMP1950 web space via FTP
  - a. Remember to store all your related web site 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. comp1950.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:** **05 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 Is the CSS code properly organized?
- **Design and Usability of the Website:** **10 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 web site usable on devices of various screen sizes? This site will be tested for usability on screen sizes between 320px to 1920px

**Marking Summary**

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

**Other Information**

- If you have any questions or require assistance, please email me at: [Michael\\_Whyte@bcit.ca](mailto:Michael_Whyte@bcit.ca).