



COMP1850 FINAL PROJECT

OBJECTIVES

Design and implement a content rich, well styled, semantic, and responsive multi page website.

DUE DATE

Assigned during session **08**, due 11:59pm the night before session **12**.

REQUIREMENTS

The final project will be a complete website which utilizes the technologies covered in comp 1850. The theme of the site is up to you: it can be for a real client (a friend with a business that needs promoting, your online resume, a fan site for your hobby and passion) or it can be 'fantasy' theme (a store front for a company that does not exist). If the site requires functionality that is beyond the scope of COMP1850 curriculum, it can still be used as the project, since the emphasis here is on the front-end design, not the back-end capabilities (eg: an e-commerce website does not need to perform actual purchases).

The website must include:

- 1 – A clear topic that is clearly described on the homepage
- 2 – 6 or more HTML pages interlinked
- 3 – Minimum 5 pages of actual content authored by you, 1 page where content is the lorem ipsum HTML provided with these specifications
- 4 – Responsiveness to clients of all kinds (between 300px – 1920px width viewports)
- 5 – Font icons. Eg: social media links, or shopping cart checkout. Link/icons do not need to be functional
- 6 – Font server or @font-face must be used for all font family(s)
- 7 – At least 5 images
- 8 – At least one example of: table, ul, ol, blockquote elements
- 9 – An HTML form (no processing script is required)
- 10 – At least one JavaScript feature (client side)

See the following page for important details on requirements.

CONTENT

The textual content of the site must be entirely authored by the student. Images may be taken from online sources or created by you in image manipulation software. If the final project involves a site for a real-world client, exceptions may be made for using existing logos, marketing copy, etc.

ONE of the six pages will not contain content authored by you, but instead populated with the lorem ipsum HTML text provided with this assignment. You may cut and paste and allocate this content as you like, but it all must be present in one of the pages.

DESIGN

Comply with best practices in design: (Appropriate contrast ratio, appealing colors, effective use of viewport space, no content overlap, etc).

The layout of all pages must be determined by a single source of CSS. Layout must make use of Flexbox or Gridbox, and may NOT be a repeat of a layout demonstrated in class or in your own homework assignments thus far.

Layout must behave well in browsers of all widths. No content overlap, no horizontal scroll bars, no vertical scroll bars other than the default one on the far right.

Be sure to style all content with CSS, including but not limited to:

- All links pseudo classed with hover focus and active effects, no blue/purple colors
- Unordered lists use customized bullet points
- Tables display alternating background colors for each row

NAVIGATION

Navigation must be clear, easy to understand and allow for browsing site with a minimum of user effort.

Prominently and uniquely styled main navigation options should not change position or sort order throughout the various pages of the site.

Links to pages within the website must not open in a new tab/browser.

Navigation items should be presented following all common conventions for location, labelling and icons

CODING and MARKUP

Use only well-formed, semantic, valid HTML, CSS and scripting. Validate your code before publishing online.

Use standard indenting, and appropriate filenames. All CSS must be external, not inline or embedded CSS is allowed (unless used by a third party Javascript).

Demonstrate good file and folder architecture by storing all file types in separate descriptive folders, eg images/, css/, etc. Use filename index.html for homepage to control the user experience.

At least three media queries must be demonstrated applying responsive designs best practices.

RESPONSIVE STYLES

Pages must be responsive to viewport widths between 300px and 1900px.

No content should be overlapping with other content or 'escaping' the box model, no zooming should be required to read legible text). Horizontal scroll bars should never occur. Line lengths should not be too wide (>1024px) or too thin (if word wrap occurs every two or three words).

Use at least two media queries to adjust the layout in different viewport widths, for example, in wide viewports, content should be allocated to take advantage of space by using two or more columns instead of a single column stack design.

SUBMISSION

Before the due date, compress all assignment resources (HTML, CSS, JS, images, folders, etc) into a single **.ZIP**. Upload **.ZIP** to

learn.bcit.ca > Content > Session12 > Final Project Dropbox