

COMP1850 :: FINAL PROJECT

OBJECTIVE Design, write, and publish a working, responsive web site using COMP1850 technologies

SYNOPSIS The final project will be a complete website which utilizes the technologies covered in comp 1850.

Part ONE of the project will be a proposal and plan for the site you will build. **Part TWO** of the project will be the implementation of the proposal as a working web site.

See the pages below for details on the project requirements.

SUBMISSION Project Proposal:

Assigned: Session 6

Due: 11:59pm the night before Session 7

Proposal pages must be accessible from your student root folder. Eg: either replace your old index.html with one for your proposal, or add an easy to find link on your current index.html, that will allow your instructor to find your proposal pages.

Final Project Web Site:

Assigned: Session 6

Due: 11:59pm the night before Session 12

This project must be published to *bcitcomp.ca* before the due date.

All files related to this project must be published on the comp 1850 class server.

Part ONE (due before session 7):

Write two well-formed and valid HTML pages. These pages should use a new layout, different than any of the layouts from your previous COMP1850 work. These pages should have all content nicely styled by CSS, but the focus here is on the substance of your proposal and plans. Link these two pages together so it is easy for user's to navigate between the two.

1 - **project_proposal.html**: Describe your plan for the final project website. Include

- A description of the theme for the project (eg: promoting a friend of partner's business, an online resume, a travelogue of vacation pictures, etc.).
- Thoroughly describe the prime (and if applicable, secondary) objectives of the website. Make it clear what, exactly, you hope the web site to achieve. If there are several objectives, list each and rank them by importance.
- A detailed analysis of the ideal audience for this website (eg: prospective employers, customers, fans of anime, etc.). Be sure to consider any and all relevant factors, eg: age, gender, location, language, budget, etc. If there are several distinct target audiences, be sure to account for them all.
- A brief description of at least 5 of the pages the website will include (eg: contact us, about us, faq, etc.)

2 – **web_usability.html**: Analyze web usability and accessibility. Each of the following must be a unique web site. Include.

- Analyze the competition, similar sites to your Final Project: Include links to two or more examples of websites that either will be in direct competition with your site or that are similar to the audience and objectives as yours. Provide both links to these sites as well as descriptions of what you think the sites are doing well, and what, if anything, could be improved.
- A link to a website that you use regularly. Describe why you find this site useful. Explain what you think the main objective(s) of the site is, and describe at least two ways the site deploys to achieve its goals.
- A link to any website that you find uses color effectively. Determine some of the color values the site uses and deploy them somewhere/somewhat on your page as an example.
- A link to a website that uses a layout you find appealing. Explain why you like this layout. You do not need to re-create the layout yourself.

Part TWO (due before session12):

The final project 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 from the learning hub
- 4 – Responsiveness to clients of all kinds (between 350px – 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 details on additional requirements and grade allocation.

EVALUATION The final project is worth 25% of your final grade. Following is the breakdown for allocating marks. Other than first 10 marks for the project proposal, all grades described here apply to Part TWO of this project

Mark	Description
10	Part ONE: Project proposal
10	One mark for each of the ten specifications described in the list above
5	<p>Navigation: Navigation must be clear, easy to understand and allow for browsing site with a minimum of user effort.</p> <p>Prominently and uniquely styled main navigation options should not change position or sort order throughout the various pages of the site.</p> <p>Links to pages within the website must not open in a new tab/browser.</p> <p>Navigation items should be presented following all common conventions for location, labelling and icons</p>
10	<p>Coding and Markup: Use only well-formed, semantic, valid HTML, CSS and scripting. Validate your code before publishing online.</p> <p>Use good indenting, and appropriate filenames. All HTML and CSS files must include a comment with your name near the top. All CSS must be external, not inline or embedded CSS is allowed.</p> <p>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.</p> <p>At least three media queries must be demonstrated applying responsive designs best practices.</p>
10	<p>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.</p> <p>ONE of the six pages will not contain content authored by you, but instead populated with the lorem ipsum HTML text from the file located here:</p>

	https://bcitcomp.ca/lorem_ipsum_html.txt Be sure to style all content with CSS: <ul style="list-style-type: none"> - Links pseudoclassed with hover effects, no blue/purple colors - Unordered lists use customized bullet points - Tables display alternating background colors for each row
5	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.
50	TOTAL

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