World Wide Web and Mobile Applications
CSC 130 - Lab B01 and B02

Teaching Team

Department of Computer Science
University of Victoria

Lab 01 and Lab 02
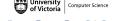
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All CSC 130 TA Lab Notes:
https://notes.dominiquecharlebois.com/ta/csc130.html

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- Lab 01 *AND* Lab 02 are due at the end of the lab today.
- **Lab Material**: Brightspace CSC 130 Course - Course Tools - Assignments - Labs 1 and 2: HTML and CSS Concepts!
- Uploading to Brightspace is *OPTIONAL*, but highly encouraged.
- Checkpoints are *optional*, thus feel free to work at your own pace and demonstrate your work at the end.
- Ask Questions! Collaborate with Peers!
- **Resource**: https://developer.mozilla.org/en-US/
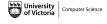
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Credit is awarded by demonstrating your work at the end of each lab:

- Students who complete all required material will obtain 3/4.
- Students who complete bonus material and collaborate with peers will obtain 4/4.

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Interviews start this week! Please register for an interview time slot.

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Lab 01 - Overview

Objectives

- Create an HTML file and open it in both an editor and a web browser.
- Understand the basic structure of an HTML document.
- Create paragraphs, lists, and hyperlinks using HTML.

Lab 01 - Part 01

Check Point 01

- Create a folder named **csc130**. We will save all subsequent folders and files within the folder named **csc130**.
- Install a programming focused text editor (e.g., Notepad++, VSCode).
- Open the programming focused text editor.
- Create a file named **lab1.html** within a folder named **lab1**.

Lab 01 - Part 02

Check Point 02

- In the file named **lab1.html** add the required content (i.e., the content shown in the lab 01 instruction pdf).
- Add a title to your web page, and a single paragraph that says "Welcome to my page!".
- Save the file named **lab1.html**.
- Open the file named **lab1.html** in a web browser (e.g., Safari, Firefox, Microsoft Edge).

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Lab 01 - Part 03

Check Point 03

- Add two headings: Unordered List and Ordered List.
- Create an Unordered List (i.e., bulleted points) under the appropriate heading.
- Create an Ordered List (i.e., numbered points) under the appropriate heading.

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Lab 01 - Final Check Point

Final Check Point

1. Send a message (private or public) to the lab TA.
2. Walk through your code and your web page.

Note: You will need to show your work during lab time to receive credit.

Remember: If you are wanting full marks you will need to complete the bonus material *AND* participate meaningfully in the lab (e.g., help others, ask questions).

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Lab 01 - Bonus Check Point

Bonus Check Point

- Add hyperlinks to the bullet points.
- Add the **target** attribute to the hyperlinks.
- Add text effects such as **bold**, *italics*, or <u>underline</u>.

Remember: https://developer.mozilla.org/en-US/ is an amazing resource when you have questions!

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Lab 02 - Overview

Objectives

- Stylize an HTML page using CSS.
- Understand the syntax of CSS.
- Write CSS rules for classes and specific HTML elements.

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Lab 02 - Part 01

Check Point 01

- Download the file named **lab2_starter.html** into a folder named **lab2**.
- Open the file named **lab2_starter.html** in the programming focused text editor.
- Open the file named **lab2_starter.html** in a web browser (e.g., Safari, Firefox, Microsoft Edge).

Check Point 02

- Add the link to the CSS file named **style.css** in the file named **lab2_starter.html**.
- Create a file named **style.css** within a folder named **lab2**. The style.css file must be saved into the same directory as your **lab2_starter.html** (i.e., **lab2**).
- In the file named **style.css** add the required content (i.e., the content shown in the lab 02 instructions pdf).

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Lab 02 - Part 03

Check Point 03

- Explore the file named **lab2_starter.html**.
- Notice the html element attribute **class="""**.
- Add the required content (i.e., the content shown in the lab 02 instructions pdf).

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Lab 02 - Part 04

Check Point 04

- Explore the file named **lab2_starter.html**.
- Notice the html element attribute **id=""**.
- Add the required content (i.e., the content shown in the lab 02 instructions pdf).

Lab 02 - Part 05

Check Point 05

- Duplicate the file named **lab2_starter.html** as **project.html** (or start with a blank file).
- Add the required content (i.e., the content shown in the lab 02 instructions).

Lab 02 - Final Check Point

Final Check Point

1. Send a message (private or public) to the lab TA.
2. Walk through your code and your web page.

Note: You will need to show your work during lab time to receive credit.

Remember: If you are wanting full marks you will need to complete the bonus material *AND* participate meaningfully in the lab (e.g., help others, ask questions).

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Lab 02 - Bonus Check Point

Bonus Check Point

- Add a Transform Function to the website.
- Add additional classes to the HTML elements.
- *AND/OR* Add additional HTML elements and add attributes **class** and **id**.
- *AND/OR* Explain the importance of CSS rule structure (i.e., is the position within the CSS file important).

Resource:

https://developer.mozilla.org/en-US/docs/Web/CSS/transform-function

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Lab 01 and Lab 02

Lab 01 and Lab 02 are Finished!

Final Steps

- Upload files to Brightspace (remember: optional, but highly encouraged).