

World Wide Web and Mobile Applications

CSC 130 - Lab B01 and B02

Teaching Team

Department of Computer Science
University of Victoria

Lab 05



Computer Science

Table of Contents

Admin

Lab 05 - Who's Query? JQuery!

- Part 01 - Updating the Style and Adding Homer
- Part 02 - Add Button Interaction with JavaScript
- Part 03 - Add Button Interaction with JQuery
- Final Check Point
- Bonus - Upload to Student Web Server

Finished

Table of Contents

Admin

Lab 05 - Who's Query? JQuery!

- Part 01 - Updating the Style and Adding Homer
- Part 02 - Add Button Interaction with JavaScript
- Part 03 - Add Button Interaction with JQuery
- Final Check Point
- Bonus - Upload to Student Web Server

Finished

All CSC 130 TA Lab Notes:

<https://notes.dominiquecharlebois.com/ta/csc130.html>

- Lab 05 is due at the end of the lab today.
- **Lab Material:** Brightspace CSC 130 Course - Content - Day 5: Who's Query? JQuery!
- Checkpoints are *optional*, thus feel free to work at your own pace and demonstrate your work at the end.
- Ask Questions! Answer Questions! Collaborate with Peers!
- **Resource:** <https://developer.mozilla.org/en-US/>

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.

You are expected to collaborate with peers by asking and answering questions.

Table of Contents

Admin

Lab 05 - Who's Query? JQuery!

- Part 01 - Updating the Style and Adding Homer
- Part 02 - Add Button Interaction with JavaScript
- Part 03 - Add Button Interaction with JQuery
- Final Check Point
- Bonus - Upload to Student Web Server

Finished

Objectives

- Get more practice using JavaScript to interact with HTML.
- Learn how to use JQuery to perform JavaScript actions.

Resources

- https://developer.mozilla.org/en-us/docs/Web/API/Document_Object_Model
- https://www.w3schools.com/jquery/jquery_get_started.asp
- https://www.w3schools.com/js/js_jquery_selectors.asp

Starter Files

- Download the ZIP folder named **lab5-starter** within a folder named **csc130**.
- Unzip the folder named **lab5-starter**.

The folder named **lab5-starter** contains one HTML file, one CSS file, one JS file, and two PNG files.

Check Point 01

- Open the file named **lab5.html** in a web browser (e.g., Safari, Firefox, Microsoft Edge).
- Open the file named **lab5.css** in a programming focused editor.
- In the file named **lab5.css** add the required content (i.e., the content shown in the lab 05 instructions pdf).
- Open the file named **lab5.js** in a programming focused editor.
- In the file named **lab5.js** add the required content (i.e., the content shown in the lab 05 instructions pdf).

Check Point 02

- Open the file named **lab5.html** in a programming focused editor.
- In the file named **lab5.css** add the required content (i.e., the content shown in the lab 05 instructions pdf).

Check Point 03

- Open the file named **lab5.html** in a programming focused editor.
- Add the JQuery Script to the HEAD section.

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).

Bonus Check Point

Important: Setting up the required environment for student web hosting with UVic is a multi step process and can take a significant amount of time.

Please send me an email with the URL (i.e., <https://studentweb.uvic.ca/~netlink/>) when you have successfully uploaded the files named **lab5.html**, **lab5.css**, **lab5.js**, **marge.png**, and **homer.png**.

Bonus Check Point

- Download UVic VPN (students on campus can skip this step).
- Follow the instructions outlined here: <https://www.uvic.ca/systems/services/internettelephone/remotearchive/>
- Activate UVic Web Hosting for Students.
- Follow the instructions outlined here: <https://www.uvic.ca/systems/support/web/webhosting-students/index.php>
- Visit: <https://studentweb.uvic.ca/~netlink/> where *netlink* is your NetLink ID.

Bonus Check Point

Alternatively, you can use web hosting with GitHub.

- Follow the instructions outlined here: https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web/Publishing_your_website#publishing_via_github

Table of Contents

Admin

Lab 05 - Who's Query? JQuery!

- Part 01 - Updating the Style and Adding Homer
- Part 02 - Add Button Interaction with JavaScript
- Part 03 - Add Button Interaction with JQuery
- Final Check Point
- Bonus - Upload to Student Web Server

Finished

Lab 05 is Finished!

Final Steps

- Upload files to Brightspace.
- Add link to your Student Web Server.