

CSI 3140 - Summer 2025

LAB 2: More Practice on CSS

Due Date: Monday Jun 2nd at 11:59PM EST

Compress all your files and upload the Zip file to the Brightspace. Please name the file using the following format: CSI3140_Lab_<lab_number>_<student_id_1>_<student_id_2>.zip

Instructions:

This lab builds upon the foundational HTML structure created in Lab 1 by adding the following stylistic enhancements using CSS.

Page Header


- Set the position of the `<header>` element to *relative*.
- Apply a linear or radial gradient *background* to the header and include appropriate *padding* for spacing.
- Set the text color to *white*.
- Center your name within the header and display it using a font size of **2em** and a text-shadow effect for emphasis.
- Position your email address directly below your name, centered, with a font size of **1em**.
- Add navigation links below the email. These should:
 - Be centered
 - Have an initial text color of **#cce6ff**
 - Include a transition effect of **0.3** seconds to change the color to *white* and underline the text when hovered
- Add a **12px** dark *red* border to the uOttawa logo image and align it to the left side of the header.
- Add a profile image that is absolutely positioned so it overlays the top-right corner of the header. Ensure its padding matches the spacing between the uOttawa logo and the header's edge.
- Apply *rounded corners* to the header using **border-radius**.
- Add a soft shadow to the entire header using the property:
`box-shadow: 0 2px 6px rgba(0, 0, 0, 0.3);`

Body Section


- Set a background image for the body using a **url()** in CSS.
- Use at least two different fonts in the body for variety and visual interest.
- Set the text color across the body to **#333**.

- Use the CSS box model to structure each section. Apply the following styles:
 - Black rounded borders
 - Semi-transparent white background (e.g., `rgba(255, 255, 255, 0.8)`) for contrast
 - Box shadow with the following value:
`box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);`
 - Set the color of all headings (e.g., `<h1>`, `<h2>`) to *dark red*.
- Replace the radio buttons under “Preferred Work Environment” with a `<select>` dropdown menu containing at least three `<option>` values.
- Set the width of the table to **80%** of its container and height to auto.

Your page should resemble the following example:



John Doe
Email: JohnDoe@uOttawa.ca
[About](#) [Skills](#) [Feedback](#)



About Me

I am a BSc student learning HTML and CSS. This is one of my favorite courses!

Skills

Skill	Level	Proficiency
HTML	9	<div></div>
CSS	8	<div></div>
JavaScript	6	<div></div>

Preferences Form

Preferred Work Environment:
Remote

Interests:
☐ AI
☐ Web Development
☐ Cybersecurity

Favorite Programming Language:

Select a number (1–100):

Feedback

► Why did you choose this field?

Lab 1 Recap:

In Lab 1, you created a single-page personal profile that should include the following HTML elements.

1. Page Header:

- Include the logo of uOttawa using the `` and `<a>` tags. When the logo is clicked, it should redirect the user to the uOttawa homepage: <https://www.uottawa.ca/en>.
- Add a heading `<h1>` with your name.
- Insert a **profile image** using the `` tag. You can use a placeholder image.
- Provide your email address, which is clickable.

2. Navigation Section:

- Create **internal links** (anchors) at the top of the page to scroll to these sections: About, Skills, and Feedback.

3. About Section:

- Add a short paragraph about yourself.
- Highlight one sentence using the `<mark>` element.

4. Skills Section:

- Create a `<table>` with at least **3 rows** and **3 columns**.
- Each row should include: Skill name, Proficiency level (1–10), and a `<meter>` element showing skill rating.
- Use semantic elements (`<section>` or `<article>` as appropriate).

5. Preferences Form:

- Use a `<form>` with `autocomplete="on"`.
- Add:
 - A **radio button group** asking about your preferred work environment: Remote / Hybrid / In-person.
 - At least **3 checkboxes** asking what interests you (e.g., AI, Web Development, Cybersecurity).
 - A **datalist** input for favorite programming language (at least 5 suggestions).
 - A **text input** with placeholder and `autocomplete`.

6. Feedback Section:

- Use a `<details>` and `<summary>` to show a hidden paragraph titled “**Why did you choose this field?**”
- Include a short explanation inside the details tag.

7. Internal Linking:

- Use `id` attributes and `` to enable the navigation at the top of the page.