

Lab 3: CSS Design and Layout

Victoria's Journal Web Page

Exercises for Today:

1. [Arrange Your Page into Sections](#)
2. [Spacing With Padding and Margins, Backgrounds](#)
3. [Float, Alignment and Clear](#)
4. [Cosmetic Finishing Touches](#)
5. [Upload Your Page to the Web](#)
6. [Add 2nd Column: Friends List](#)
7. [Make Your Journal Annoying w/ Hover](#)

Exercise 1: Arrange Your Page into Sections (roughly 20 minutes)

The first task is to organize journal.html by adding ids, classes, spans and divs as seen in lecture. Then, add "boxes" around these sections of the website by adding to your style.

Hint: Remember the way to define a border in CSS:

border: thickness color style;

For example, the following gives a yellow, dashed, 1px-thick border:

border: 1px yellow dashed;

You are going to match the output below (between, but not including, the thick black lines).

- The **borders** are all 5px thick and solid.
- The **colors** are the intuitive HTML color names, e.g. the red border is the HTML color red.

- *Note:* You should not define a class or id specifically for the h2s on this page.
Hint: To reduce the amount of id and class attributes you need to set in the HTML code, consider using CSS **context selectors** as appropriate.

Elhajj's Journal

So fresh and so clean

02/03/2022: Spatulas



Yesterday I went to the store and got some much-needed spatulas! (What better way to say I love myself than to buy myself a spatula?)

04/12/2022: Cookie Monster Cupcakes



My favorite cartoon character is Cookie Monster, and my favorite dessert is cupcakes, so Cookie Monster cupcakes are the best of both worlds.

Did you know? Cookie Monster once said, "Sometimes me think what is love, and then me think love is what last cookie is for. Me give up the last cookie for you." I wonder if the same applies for cupcakes? (If so, I don't think I can ever love ANYONE!)

The only major changes you should need to make to the HTML code are adding ids, classes, divs, and spans. You may also change the text of the journal if you like, such as changing it to your name or rewording the journal entries. But please don't spend a large amount of time doing this, so you can move on to the later exercises.

Exercise 2: Spacing With Padding and Margins, Backgrounds (roughly 25 minutes)

You are now going to add padding, margins, and backgrounds to some of the parts you defined in Exercise 1. You should only have to change your style, if you completed Exercise 1 correctly.

- The box with the **green** border should have a background color of white.
- The boxes with the **blue** borders should have a background color of #E8FBFB. It should have a padding of 5px (on all sides) and margin of 10px only on the *top* of the box (the margins for the remaining sides should be left at 0px).
- The **overall page content** area should become centered on the page, should have left and right margins of 10% and a background image using the following image:




You are going to match the output below (between, but not including, the thick black lines).

Elhajj's Journal


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Exercise 3: Float, Alignment and Clear (roughly 15 minutes)

Now you're going to practice float, clear, and alignment on the web page. Part of this exercise is understanding the difference between aligning and floating an element. You may have to edit your `journal.html` code as well as your styles to get the floats working properly.

- The heading text in the **red** box should appear on the **right** side of that section of the page.
- The journal entry images should hover on the **right** side next to the surrounding text. The image should stay within the bounds of the blue box; that is, it should not bleed into the other content below it.

You are going to match the output below (between, but not including, the thick black lines).



Exercise 4: Cosmetic Finishing Touches (roughly 20 minutes)

Finally, we add some finishing touches to make the page look its best.

- Change the border of the box with the **green** border to be a solid, white, 10px-thick border.
- Change the border of the boxes with the **blue** border to have a solid, 4px-thick border, using the hex value #C2E9E9 for its color.
- Change the border of the box with the **purple** border to have *only* a bottom border, and let that bottom border be blue, dashed, and 2px-thick.
- Change the background color of the box with the **red** border to be #A8F0F0 and get rid of its border altogether.
- Change the font size of So fresh and so clean to 14pt and get rid of its border.

You are going to match the output below (between, but not including, the thick black lines).



Exercise 5: Upload Your Page to the Web (roughly 5 minutes)

Upload your files to your github and send the link within your files via Moodle.

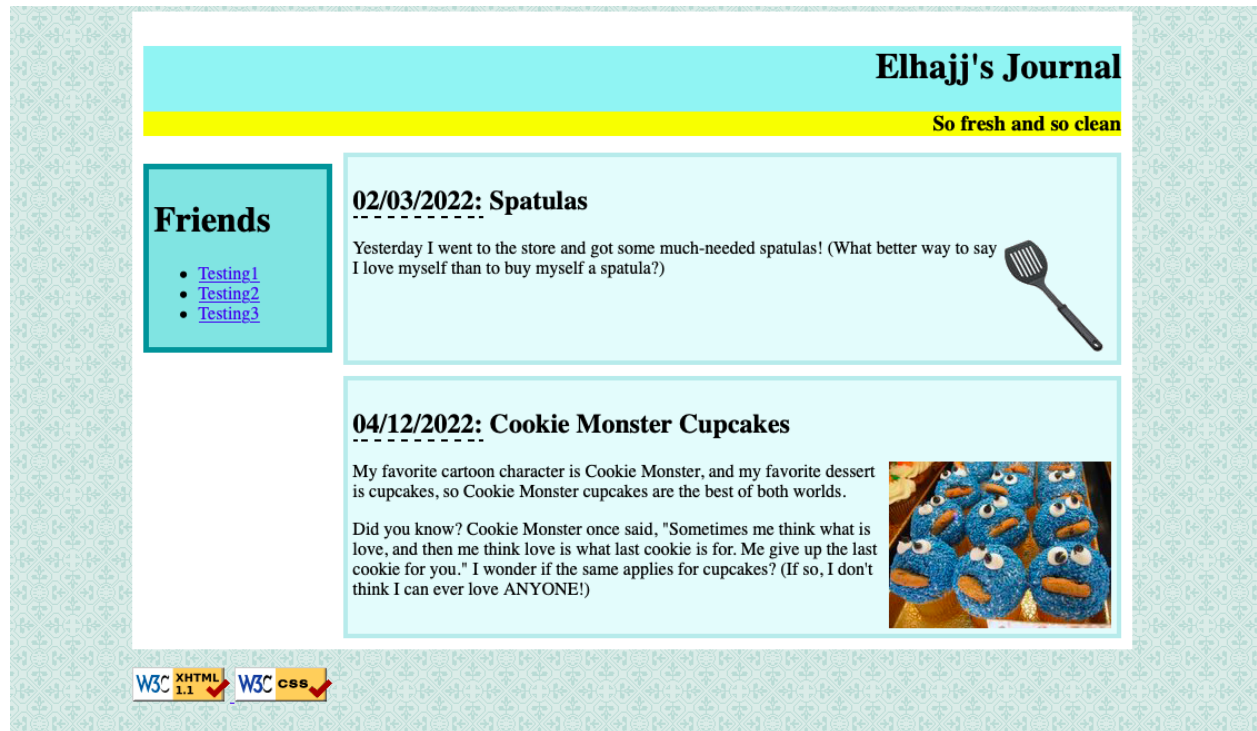
Exercise 6 (advanced): Add 2nd Column: Friends List

If you manage to complete the first four exercises before lab time is up, work on adding a second column to the layout. You should copy and paste the following code into your `journal.html`:

```
<h1>Friends</h1>
<ul>
  <li><a href = "#Testing1">Testing1</a></li>
  <li><a href = "#Testing2">Testing3</a></li>
  <li><a href = "#Testing3">Testing3</a> </li>
</ul>
```

Use the appropriate layout-related tags/attributes and CSS to make this list into a second, left-aligned column as shown below. The colors, borders, etc. of the list are not important; the focus is on the layout. **The layout with a second column must still be a liquid layout** -- that is, all parts of it should adjust in size accordingly when the browser size changes. HINT: When multiple elements float in the same direction, they arrange themselves into columns.

You are going to match the output below (between, but not including, the thick black lines).



Exercise 7 (for 1337 h4x0rz only): Make Your Journal Annoying w/ Hover -- Elegantly

Write your page so that if you hover over any element (i.e. any header, paragraph, image, etc), the element is highlighted in yellow.

This must be a one-selector, one-property addition to your stylesheet -- no commas allowed! (Note: This is tricky.)