

CS 328 - Week 7 Lab Exercise - 2026-03-05

Deadline

Due by the end of lab.

Purpose

To practice with more CSS properties, including some related to the CSS Box Model.

How to submit

Submit your files for this lab using `~st10/328submit` on nrs-projects, each time entering a lab number of **87**.

Requirements

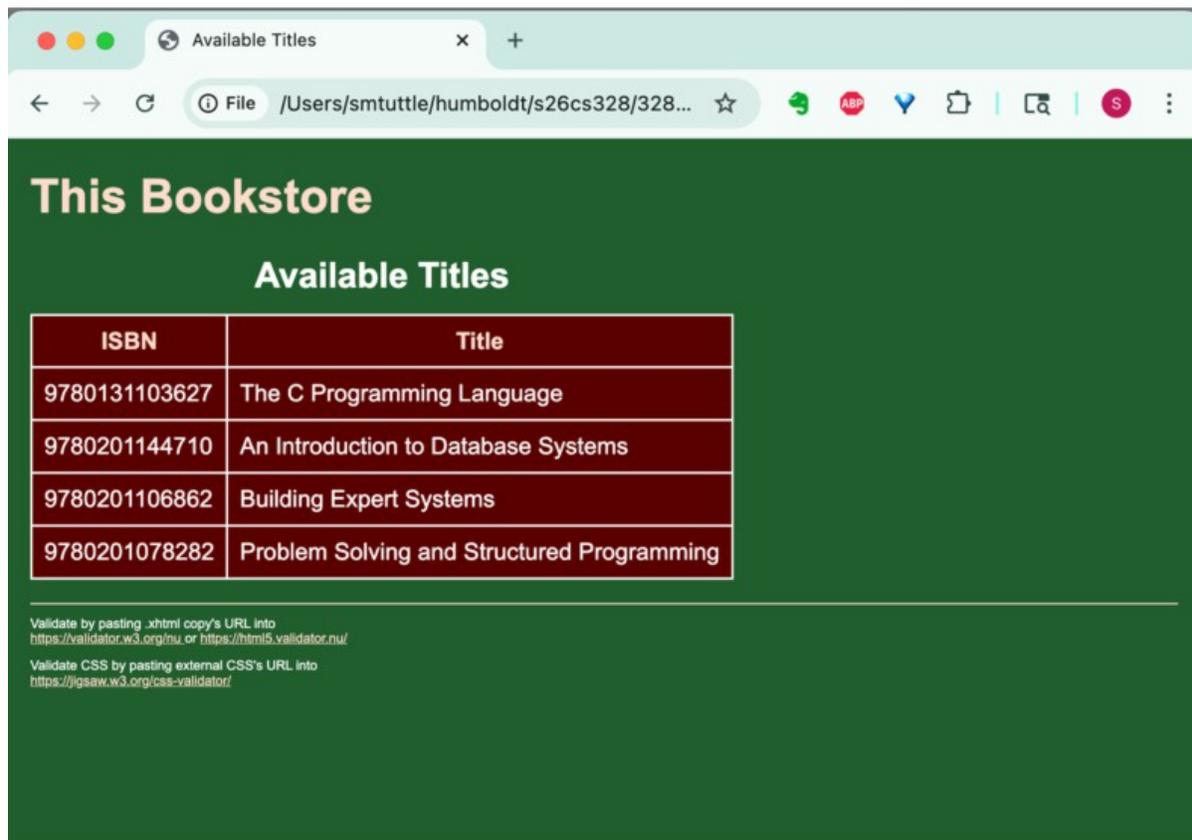
- You are required to work in **pairs** for this lab exercise.
 - This means **two** people working at **ONE** computer, one typing ("driving"), one saying what to type ("navigating"),
while **BOTH** are looking at the **shared** computer screen and **discussing** concepts/issues along the way.
- Make sure **BOTH** of your names appear in each file submitted.
- Make a `public_html` **sub-directory** for today's lab exercise with a **not-too-obvious name** of your choice, and be sure to **chmod** it to permissions **711**.
 - And, your `.html` and `.css` files for this lab exercise should all have permissions **644**.
- When you are done, before you leave lab, **BOTH** of you should submit appropriate versions of these files using `~st10/328submit` on nrs-projects, with a lab number of **87**.
- You are expected to follow the style standards from the posted "CS 328 CSS Coding Standards so far" (at <https://nrs-projects.humboldt.edu/~st10/s26cs328/328-css-coding-standards.pdf>).
- Some of the CSS properties you will need for today's lab are demonstrated in the posted example `328lect07-1.css`.
 - However, you are also trying out a few that are **not** demonstrated there (especially some related to the CSS Box Model described at the end of class).
For those exceptions, the CSS property you should use is specifically given in the lab exercise.

As you add each CSS rule...

- **CONSIDER**: how do you **THINK** it will affect the given HTML document?
- **THEN RELOAD THE DOCUMENT AND SEE**: was your hypothesis correct?

(Problem 1 starts on the next page)

Problem 1 - formatting a document including a table



Consider the above screen shot. This is a display, in the Chrome browser on Mac OS X, of **328lab07-1.html** styled using CSS.

- Copy over the following "starter" HTML file into your desired `public_html` subdirectory, that you will then add to as part of today's lab exercise:

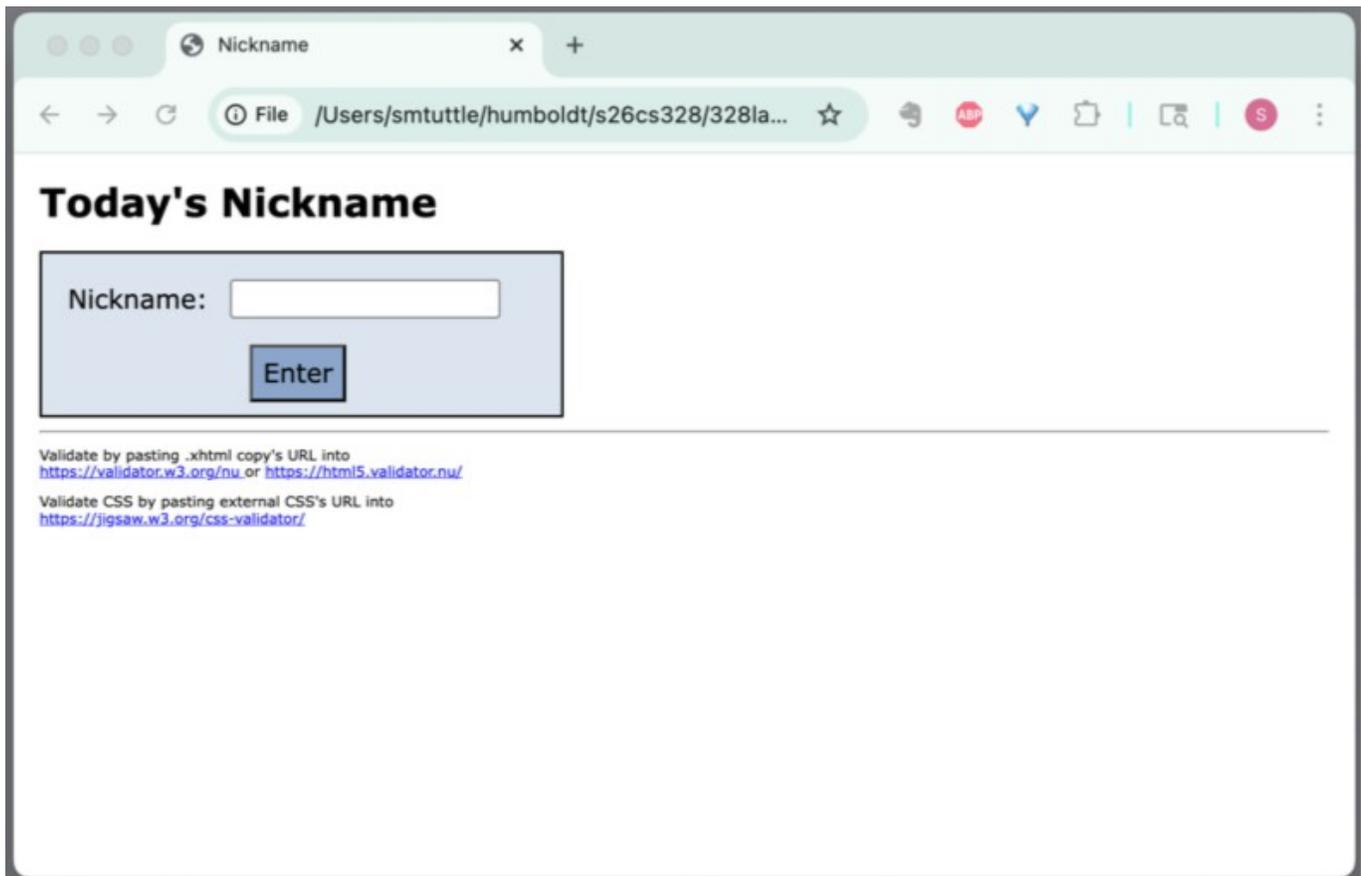
```
cp ~st10/328lab07-1-start.html 328lab07-1.html
```

- Fill in the opening comment block as specified, putting in your **names**, the last modified **date**, and the **URL** that can be used to run your document.
 - (You *will* lose some credit if this URL does not work when I or the grader paste it into a browser!)
- **Within** the **head** element, after the `link` element specifying that this document is being styled by `normalize.css`, add a second **link** element following course style standards specifying that this document will then be further styled using a file **328lab07-1.css** that you are about to create for this lab exercise.
 - **Do not include any inline or internal CSS rules in your 328lab07-1.html.**
- Do not make any other changes to your **328lab07-1.html**.
- Read over this and notice what HTML elements are included in its **body** element.
- Display your **328lab07-1.html** at this point, and see how it looks before you start styling it.

Now create the external CSS file `3281ab07-1.css` in the same directory as your `3281ab07-1.html`, adding rules as specified below to style `3281ab07-1.html` to match the above shown layout as closely as possible. As you add each rule, see how it changes the display of your `3281ab07-1.html`.

- Start `3281ab07-1.css` with an opening comment block with your **names** and the last modified **date**.
- Add a rule styling the **body** element using:
 - a font family whose first choice is **Arial** and whose second choice is **sans-serif**
 - a **margin** of **1em**
 - a background color of **#215e2d**
 - a color of **#ffffff**
- Add a rule styling **h1**, **th**, and **a** elements using:
 - a color of **#fedccc**
- Add a rule styling **table** elements using:
 - a background color of **#5b0000**
- Add a rule styling **table**, **th**, and **td** elements using:
 - a **border-width** of **0.1em**
 - a **border-style** of **solid**
 - a **border-color** of **#ffffff**
 - a **border-collapse** of **collapse**
- Add a rule further styling **th** and **td** elements using:
 - **padding** of **0.5em**
- Add a rule styling **caption** elements using:
 - a font size of **1.5em**
 - a font weight of **bold**
 - a **margin-bottom** of **0.5em**
- Add a rule styling **hr** elements using:
 - a **margin-top** of **1em**
 - a **border-width** of **0.05em**
 - a **border-style** of **solid**
 - a **border-color** of **#fedccc**
- Add a rule styling the **footer** element using:
 - a font size of **0.5em**
- Make sure your `3281ab07-1.html` validates as strict-style HTML, and that your `3281ab07-1.css` validates as valid CSS.

Problem 2 - formatting a document including a simple form



Consider the above screen shot. This is a display, in the Chrome browser on Mac OS X, of `3281ab07-2.html` styled using CSS.

- Copy over the following "starter" HTML file into your desired `public_html` subdirectory, that you will then add to as part of today's lab exercise:

```
cp ~st10/3281ab07-2-start.html 3281ab07-2.html
```

- Fill in the opening comment block as specified, putting in your **names**, the last modified **date**, and the **URL** that can be used to run your document.
 - (You *will* lose some credit if this URL does not work when I or the grader paste it into a browser!)
- **Within** the **head** element, after the **link** element specifying that this document is being styled by `normalize.css`, add a second **link** element following course style standards specifying that this document will then be further styled using a file `3281ab07-2.css` that you are about to create for this lab exercise.
 - **Do not include any inline or internal CSS rules in your `3281ab07-2.html`.**
- Do not make any other changes to your `3281ab07-2.html`.
- Read over this and notice what HTML elements are included in its **body** element.
- Display your `3281ab07-2.html` at this point, and see how it looks before you start styling it.

Now create the external CSS file `3281ab07-2.css` in the same directory as your `3281ab07-2.html`, adding rules as specified below to style `3281ab07-2.html` to match the above shown layout as closely as possible. As you add each rule, see how it changes the display of your `3281ab07-2.html`.

- Start `3281ab07-2.css` with an opening comment block with your **names** and the last modified **date**.
- Add a rule styling the **body** element using:
 - a font family whose first choice is **Verdana** and whose second choice is **sans-serif**
 - a **margin** of **1em**
- Add a rule styling **h1** elements using:
 - a font size of **1.5em**
- Add a rule styling **form** elements using:
 - a background color of **#dce4ef**
 - a **width** of **20em**
 - a **border-width** of **0.1em**
 - a **border-style** of **solid**
 - a **border-color** of **black**
- Add a rule styling **label** elements using:
 - a **margin-left** of **1em**
 - **padding-right** of **0.5em**
- Add a rule styling elements with `class="submit_cont"` using:
 - a **width** of **4em**
 - a **margin-left** of **auto**
 - a **margin-right** of **auto**
 - a **margin-bottom** of **0.5em**
- Add a rule styling submit buttons using:
 - a background color of **#8ba6ca**
 - **padding** of **0.4em**
- Add a rule styling the **footer** element using:
 - a font size of **0.5em**
- Make sure your `3281ab07-2.html` validates as strict-style HTML, and that your `3281ab07-2.css` validates as valid CSS.

Validate your files:

Make sure `.xhtml` copies of your `328lab07-1.html` and `328lab07-2.html` validate as **strict-style HTML**,

and that your `328lab07-1.css` and `328lab07-2.css` validate as **valid CSS** at

<https://jigsaw.w3.org/css-validator/>.

BEFORE you leave lab:

Make sure that you **both** have copies of the files:

- `328lab07-1.html`, `328lab07-1.xhtml`, and `328lab07-1.css`
- `328lab07-2.html`, `328lab07-2.xhtml`, and `328lab07-2.css`

...and you BOTH submit these using `~st10/328submit` on nrs-projects, with a lab number of **87**.

How the navigator can get today's files:

(for a driver with username `dr12`, and a navigator with username `na89` - replace these with your *actual* usernames when you actually do this)

- Because these are files the nrs-projects web server has to be able to reach, the navigator should be able to get a copy of them from the driver using an approach like this:

- Assume the driver has, in their `public_html` directory, a sub-directory `328lab07moo` containing today's `.html` and `.css` files. (Adapt the following accordingly based on your driver's actual directory location for today's files.)

- The NAVIGATOR `na89` can now:

- log in to THEIR (`na89`'s) nrs-projects account, and run these commands:

```
cd public_html
mkdir 328lab07moo # or other desired directory name
chmod 711 328lab07moo
cd 328lab07moo
cp ~dr12/public_html/328lab07moo/328lab07-1.html . # note space & period!
cp ~dr12/public_html/328lab07moo/328lab07-1.css . # note space & period!
cp ~dr12/public_html/328lab07moo/328lab07-2.html . # note space & period!
cp ~dr12/public_html/328lab07moo/328lab07-2.css . # note space & period!
```

- Now the navigator `na89` should have their own copies of these `.html` and `.css` files.

- Either repeat for the `.xhtml` files,

or (if desired) change the URL within the navigator's `.html` files to refer to the *navigator's* copy, and then make the `.xhtml` copy (and double-check that it still validates):

```
cp 328lab07-1.html 328lab07-1.xhtml
cp 328lab07-2.html 328lab07-2.xhtml
```