

Advanced CSS Selectors Lab

Beginner web developers tend to add excessive ids and classes to our HTML because we often don't know CSS selectors as well as we should. In fact, up to now, we've done exactly that. Our pages are muddled up with too many *class="this"* and *id="that"*. I'd be willing to bet that in your CSS file, you're having problems remembering what you named things and what certain *.this* and *#that* are for! In this lab we'll fix some of those things.

Cleaning up the page header

1. Open landing.html and look at the <header>. It may have an id on it. Inside of that, the company logo and name may look like this.

```
<header id="page_header">
  
  <p id="company_name">Dinner and a Movie</p>
```

Those ids on the company logo and name aren't needed because we can point to the and <p> with a descendant selector.

2. Change the 's selector ...

... from this to this
<pre>#logo { height: 50px; }</pre>	<pre>#page_header > img { height: 50px; }</pre>

3. And change the <p>'s selector ...

... from this to this
<pre>#company_name { margin-left: 1em; }</pre>	<pre>#page_header > p { margin-left: 1em; }</pre>

4. Don't forget to remove both of those ids from the and <p>.
5. Run and test. You should see no change to the way they are displayed but you now have cleaner, faster, and more flexible HTML.
6. Refactor the other things in the #page_header.

Cleaning up the film cards

7. Keep the class on the <div class="poster"> but remove the class on the inside of it. Refactor site.css to still point to this by using a descendant selector. (Hint: "#film_briefs > .film_brief > .poster > img").
8. Keep the class on the <div class="info"> but remove all classes on the <h2> and <p>s that are in there. Refactor site.css to still point to them.

9. Keep the class on the <div class="showing_times"> but remove all classes from each of the and s inside of it. Refactor site.css to use descendant selectors to point to them.
10. Bonus! Do the same refactoring for the social icons at the bottom of both pages. You should be able to remove classes from the images.

Using pseudoelements

Pseudoelements are different to the rest of CSS. Most CSS is simply changing how something appears, but ::before and ::after actually insert content onto the page.

11. find your day_choser <section>. Inside of it, you probably put this element:
`<div class="last"></div>`
12. We did this to clear the float. Remove that element. Just delete it.
13. Run and test. It should have messed up your layout terribly. Let's fix that.
14. In site.css, find the .last class selector. Change it ...

... from this to this
<pre>.last { clear: both; }</pre>	<pre>#day_choser > ul::after { content: " "; display: block; clear: both; }</pre>

15. Run and test again. It should have fixed the problem.

What you just implemented is the 'clearfix' solution to floats. Feel free to Google that if you have extra time in the lab. This gist is that you added a new block element after the that clears the floating.

Creating mouseover highlighting

On landing.html, the intent of our film cards is for the user to tap/click on one and be able to see its details.html page. Let's make that a little more usable by highlighting it when the user mouses over it.

16. You probably already have a class of film_brief on each of those cards. If not, please add a class.
17. In site.css, do something like this:

```
.film_brief:hover {  
  background-color: var(--light_color_2);  
}
```
18. Now try it out. When your mouse is over any card, it will highlight by turning color slightly.

Refactoring the day_choser

If you were to try to refactor the day_choser <section>, you'd be able to do most of it easily. But wait, there is a class we applied to the last two days called 'later',

remember? We are using it with our @media query to set display: none when the screen is small. Can we eliminate those classes?

19. Find the media query and change the selector ...

... from this to this
<pre>.later { display: none; }</pre>	<pre>#day_chooser > ul > li:nth-child(3) ~ li { display: none; }</pre>

20. Run and test. All but the first three days should disappear even if you remove the class="later" from the s. Discuss with your partner what is going on with that super-complex selector and why it would be better than a hardcoded class.