

CSS Styles Lab

In this lab, let's look at applying styles in various ways. We want to see how colliding styles behave and how to tame them.

Adding a CSS file

1. Create a new file under /assets/css called site.css.
2. Add to it a single style applied to the body. Make it font-family: Helvetica, Arial, sans-serif; and a font-size: 14px;

Note the selector. There's no dot (".") or hash ("#"). This is an example of an element selector (the <body> tag) as well as nesting; when you applied the style to the body, it was inherited by everything in a body tag -- which is everything!

3. Now add a <link> to that file in index.html.
4. Browse to index.html and you should see all the text now has no serifs. This proves our stylesheet is working.
5. Add that same link to all pages. Test a few to make sure they work.

Styles that collide

Now that we've got a stylesheet working across our site, let's make some styles changes.

6. Make sure you have a <div> on index.html with a class of "well" and an id of "whyus".
7. Add some styles to site.css:
 - element selector for all divs with a background-color of yellow
 - class selector for a "well" class with a background-color of coral.
 - id selector for an id of "whyus" with a background color of indigo.

These styles collide with each other. Only one can take effect.

8. Browse to your page. Which selector won? _____
9. Now rearrange them in site.css and test again. Did the order affect anything?

10. Go back in and add !important to any one and see what happens. Did that one win? _____ Put !important on another and see what happens.

11. Okay, this is a mess! Let's fix it. Remove the id style and the element style. You should only have the style with a selector of ".well" remaining.

12. Add these to the .well style:

```
min-height: 20px;
padding: 19px;
margin-bottom: 20px;
background-color: #f5f5f5;
border: 1px solid #e3e3e3;
```

13. Refresh your page. Now doesn't that look nice?

Adding some styles across the site

Now that we've got a stylesheet working across our site, let's make some styles changes.

14. Remember that header `<div>` at the top of all your pages? Change each of them, adding `class="jumbotron"`.

15. Add this style to `site.css`:

- a *jumbotron* class
 - `background-color: #eee;`

16. After saving the files, browse to your site. All pages should have a header with a grey background color.

Alright! We've proven that we can apply universal styles. Let's do that now for some other things we'll be adding in future labs.

17. Add these styles:

- `h1` element
 - `font-size: bigger; font-weight: bolder;`
- *form-control* class
 - `line-height: 1.4; border: 1px solid #ccc;`
- *alert* class
 - `border: 1px solid transparent;`
- *alert-info* class
 - `color: #31708f; background-color: #d9edf7; border-color: #bce8f1;`
- *alert-warning* class
 - `color: #8a6d3b;`
 - `background-color: #fcf8e3;`
 - `border-color: #faebcc;`
- *alert-success* class
 - `color: #3c763d;`
 - `background-color: #dff0d8;`
 - `border-color: #d6e9c6;`
- *btn* class
 - `font-size: 14px; font-weight: 400; line-height: 1.4; text-align: center; vertical-align: middle; cursor: pointer; border: 1px solid transparent;`
- *btn-primary* class
 - `color: #fff;`
 - `background-color: #337ab7;`
 - `border-color: #2e6da4;`
- *label* class
 - `font-weight: 700;`

Once you're finished adding those styles you can be finished.