INTRODUCTION TO CSS

What is CSS and what does it do?

- CSS stands for Cascading Style Sheets
- CSS is a simple way of adding styles (color, spacing, even transitions) to HTML elements
- CSS styles applied to elements are inherited by child elements, that makes it pretty powerful

How can you use CSS?

- CSS styles can be declared inline (applied to individual elements), internally (using the <style> tag), and loaded from an external file.

Inline CSS

```
Hello world
```

Internal CSS

```
<head>
...
<style type="text/css">
p {
  color: red;
}
</style>
...
</head>
```

External CSS

- You write your CSS just the way you do internally, and save it in an external file. You then load this external CSS file into your HTML

```
<head>
...
k href="css/style.css" type="text/css" rel="stylesheet" />
...
</head>
```

Selectors

Element selectors

- Using element selectors we can control all instances of a type of elements

```
h1 {
  margin: 0;
  padding: 0;
  color: #0099ff;
}

ul, ol {
  list-style: none;
}
```

Class selectors

- Using CSS classes we can create reusable style definitions that can be applied to elements using the given class
- CSS class selectors override the element selector styling

```
p {
  color: red;
}

p.blue {
  color: blue;
}

...

This text will be red
This text will be blue
```

ID selectors

- Using ID selectors we can distinguish certain elements from others in our CSS.
- IDs are also reusable, but they shouldn't be applied to more than one element to keep them unique

```
#super_visible_list {
font-weight: bold;
color: red;
border: 2px solid black;
First item
Second item
Third item
First item
Second item
Third item
```

Pseudo classes and elements

- Pseudo classes and elements are special selectors
- They represent certain states and individual parts of the element they are applied to

```
a:hover {
  background-color: black;
  color: white;
}

p:first-line {
  font-weight: bold;
}
```

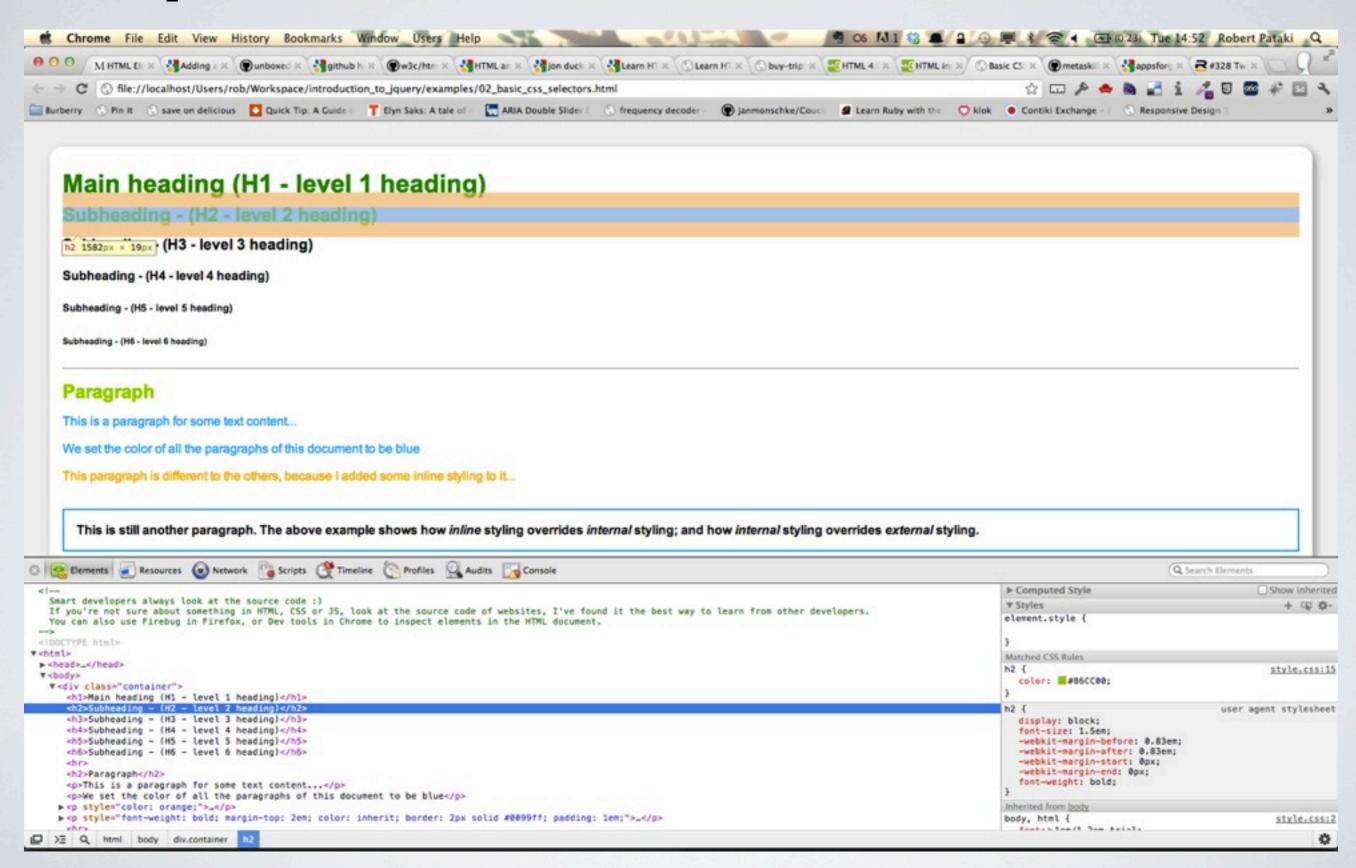
Group selectors and declarations

- By combining the grouping of selectors that share the same declaration and declarations that share the same selector you can apply multiple declarations to multiple selectors.
- This technique allows us to create compact yet powerful CSS rules.

```
h1, h2, h3, p, ul {
  color: #0099ff;
}
h4, h5, h6 {
  color: black;
}
```

Let's look at some examples!

Inspect



References

HTML & CSS book (2012) http://htmlandcssbook.com/



Codecademy http://www.codecademy.com/blog/7-html-css-courses

All about CSS on MDN

https://developer.mozilla.org/en-US/