



CSc 337 - CSS

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Cascading Style Sheets (CSS)

- A style sheet language
- CSS used for specifying *how* the contents of the site (HTML) is displayed
 - Coloring, stylizing, positioning, and sizing the elements within the HTML

General Syntax

```
identifier {  
    property-a : style-value ;  
    property-b : style-value ;  
    . . .  
}
```

- **identifier** specifies which element(s) to style
- **property** specifies the property to set
- **style-value** is what to set that property to

<https://www.w3schools.com/cssref/index.php>

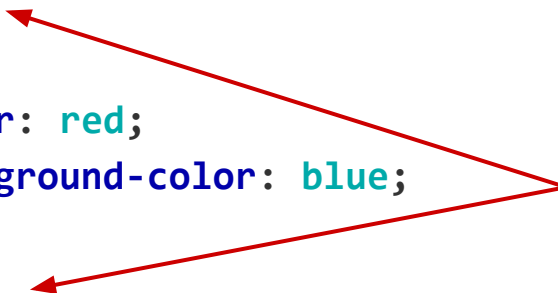
An Example

```
<!DOCTYPE html>
<html>
  <head>
    <style>
      p {
        color: red;
        background-color: blue;
      }
    </style>
  </head>

  <body>
    <p>Taylor Guitars</p>
  </body>

</html>
```

Notice the `<style>` tag - for putting CSS inside of



Different ways, same result

Style tag

```
index.html
<!DOCTYPE html>
<html>
  <head>
    <style>
      p {
        color: red;
        background-color: blue;
      }
    </style>
  </head>

  <body>
    <p>Taylor Guitars</p>
  </body>
</html>
```

Style attribute

```
index.html
<!DOCTYPE html>
<html>
  <head>
  </head>

  <body>
    <p style="color:red;
      background-color:blue;">
      Taylor Guitars
    </p>
  </body>
</html>
```

Separate Files

```
style.css
p {
  color: red;
  background-color: blue;
}
```

```
index.html
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet"
      type="text/css"
      href="style.css">
  </head>

  <body>
    <p>Taylor Guitars</p>
  </body>
</html>
```

Specific Styling

- What if we don't want to style elements based on the tag?
- For instance,
 - Want to color half of the paragraphs with one color, and half another?
 - Want to style just one, specific div amongst many?
 - Want to resize one image on the page?

Class and ID attributes

- Can give *any* element in the HTML a class name and an id name
- Multiple elements (even with different tags) can be in the same class
- IDs must be unique, not duplicate IDs on a single HTML page

```
<body>
  <p id="taylor" class="guitar">
    Taylor
  </p>
  <span id="martin" class="guitar">
    Martin
  </span>
  <h1 id="pearl" class="drums">
    Pearl
  </h1>
  <h2 id="gretsch" class="drums">
    Gretsch
  </h2>
</body>
```

Select the right CSS

Which CSS would give all of the text a color other than default/black?

A

```
.guitar { color: green; }  
#drums { color: blue; }
```

B

```
.guitar { color: green; }  
#pearl { color: blue; }  
#gretsch { color: yellow; }
```

C

```
#taylor { color: red; }  
#pearl { color: blue; }
```

```
<body>  
  <p id="taylor" class="guitar">  
    Taylor  
  </p>  
  <span id="martin" class="guitar">  
    Martin  
  </span>  
  <h1 id="pearl" class="drums">  
    Pearl  
  </h1>  
  <h2 id="gretsch" class="drums">  
    Gretsch  
  </h2>  
</body>
```


Many, Many Properties

Some common ones . . .

color

font-size

height

margin

display

font-family

border

text-align

padding

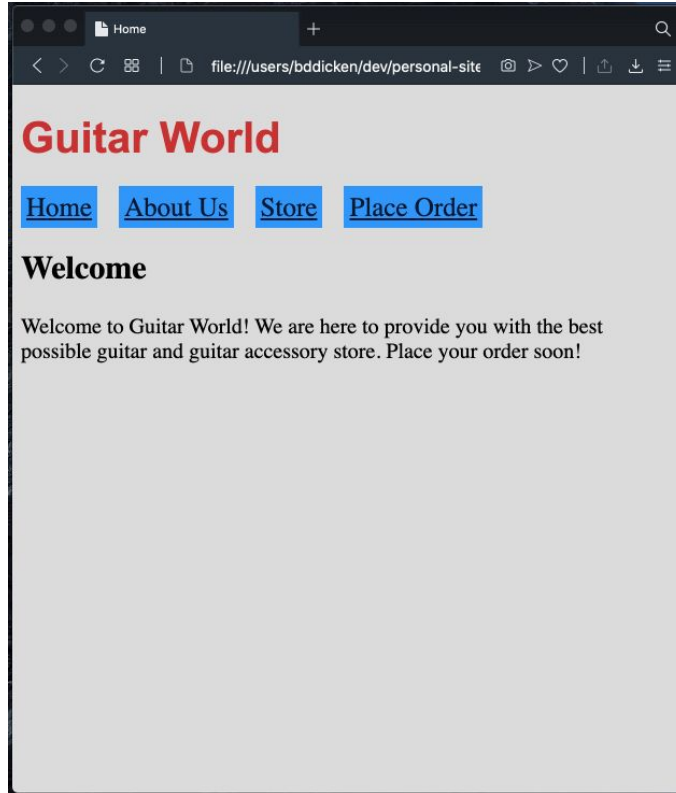
background-color

width

visibility

position

Let's build it!



(For now, skip "Place Order" page)