

# Demo: CSS

## What is CSS

- Cascading Style Sheets
- Standard design language for the web
- Controls color, typography, and layout

## CSS Syntax

- Selector
- Declaration
- Property (ends with colon)
- Value (ends with semi-colon)
- Comment tags `/* */`
  - (Different syntax from html comment tags)

```
/* red paragraph text */  
p {color: red;}
```

## CSS Selectors

- Tag
- Class
- Id
- Pseudo-class (links)

## Tag Selector

- Rewrite html tags
- Add functionality
- Overwrite inherent styles

```
body {  
  font-family: Arial, Helvetica, sans-serif;  
  color: #333;  
  background-color: rgba(23,64,0,1);  
  font-size: 14px;  
}  
img { border: 0px;}  
h1 {  
  font-family: "Times New Roman", Times, serif;  
  font-size: 1.5em;  
  font-weight: normal;  
}
```

## Class Selector

- “dot class”
- use multiple times on web page

```
.pull-quote {  
  font-weight: bold;  
  color: rgba(235,34,134,1);  
}
```

## ID Selector

- “pound id”
- unique identifier
- use only once per webpage

```
#main-header {  
    height: 100px;  
    width: 960px;  
    background-color: rgba(255,255,255,0.5);  
}
```

## Box Positions

- static (default, in the “flow”)
- relative (good for offsetting elements)
- fixed (glued to the background)
- absolute (removed from the flow)
- z-index (stacking order relative, fixed, and absolute positioned elements)

## Descendant Selector

- both selector conditions must be met for declaration to work
- targets css
- good for applying to multiple elements

```
nav a {  
    font-family: "Lucida Console", Monaco,  
    monospace;  
    text-decoration: none;  
    font-size: 1.3em;  
    padding: 3px;  
}
```

## Embedded style sheet

- Single page website
- Override global style
- Design/testing process

```
<style>  
body {  
font-family: Arial, Helvetica, sans-serif;  
color: rgba(23,234,23,1);  
background-color: rgba(10,123,133,1);  
}  
</style>
```

## External style sheet

- Linked in head tag
- Global style

```
<head>  
<link href="css/mystyle.css" rel="stylesheet">  
</head>
```