Stylin’ with CSS
Topics

- What is CSS?
- Why CSS?
- CSS Examples
What is CSS?

- Stands for Cascading Style Sheets
- Used to change the “presentation” of a Web page
- Used in conjunction with HTML in several ways
  - Inline -- embedded within the HTML element
  - Internal -- placed within the header information
  - External -- coded in a separate document
    - Allows style control of multiple pages all at once
HTML vs. CSS

- HTML intended to show what the text is being used for
  - Defines its semantic meaning
  - Designed to say things like “This is a paragraph” not “This is a paragraph that is centered with a font color of blue”

- CSS used for presentation only
  - Defines how the HTML should be displayed
Internal Style

- Placed in the header of the page between the `<head>…</head>` tags.
- Contains styles that are used throughout the whole page rather than on a single tag.
- Enclose each “rule” in the `<style>…</style>` tag.
<!DOCTYPE html> <html> <head> <title>CMSC104 HTML Template</title> <style type="text/css"> h1{ 
    font-family: verdana; 
    text-align: center; 
} </style> </head> <body>
A Closer Look at the Style

```xml
<style type="text/css">
  h1{
    font-family: verdana;
    text-align: center;
  }
</style>
```
Changing the Font Face

- Use the font-family property
- Will only display fonts already installed on the end user’s computer
- If a font-family is not specified, displays the browser’s default font, usually Times New Roman.
- Can give more than one value in the CSS, just in case
- To see a list of Web fonts: http://www.angelfire.com/al4/rcollins/style/fonts.html
- More information than you ever wanted to know about fonts: http://www.w3.org/TR/REC-CSS2/fonts.html
Font Example

<html>
<head>
<title>CMSC104 HTML Template</title>
<style type="text/css">
body{
    font-family: verdana, helvetica, arial, sans-serif;
}
</style>
</head>
<body>
    Do you like this font?
</body>
</html>
Font Example Screenshot

Do you like this font?
Working with Color

- **background-color** -- changes the background color
- **color** -- changes the text color
- Can be applied to most selectors. ie: `body`, `p`, etc...

<table>
<thead>
<tr>
<th>black</th>
<th>lime</th>
<th>maroon</th>
<th>purple</th>
</tr>
</thead>
<tbody>
<tr>
<td>white</td>
<td>olive</td>
<td>navy</td>
<td>teal</td>
</tr>
<tr>
<td>silver</td>
<td>green</td>
<td>red</td>
<td>fuchsia</td>
</tr>
<tr>
<td>gray</td>
<td>yellow</td>
<td>blue</td>
<td>aqua</td>
</tr>
<tr>
<td>orange</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Chart of possible CSS color values*
Color Example

<html>
  <head>
    <title>CMSC104 HTML Template</title>
    <style type="text/css">
      body{
        background-color: black;
        color: orange;
      }
    </style>
  </head>
  <body>
    Happy Halloween!!
  </body>
</html>
Color Example Screenshot

Happy Halloween!!
## Changing the Font Size

<table>
<thead>
<tr>
<th>Sample Usage</th>
<th>Possible values</th>
</tr>
</thead>
<tbody>
<tr>
<td>font-size: 14pt;</td>
<td>Can use number and unit (as in 12pt) or keywords: xx-small, x-small, small, medium, large, x-large, xx-large. (There are other possibilities but we won’t be discussing them now.)</td>
</tr>
</tbody>
</table>
Aligning text

<table>
<thead>
<tr>
<th>Sample Usage</th>
<th>Possible values</th>
</tr>
</thead>
<tbody>
<tr>
<td>text-align: center;</td>
<td>left, right, center, justify</td>
</tr>
</tbody>
</table>
CSS for Emphasis

<table>
<thead>
<tr>
<th>Sample Usage</th>
<th>Possible values</th>
</tr>
</thead>
<tbody>
<tr>
<td>font-style: italic;</td>
<td>normal, italic, oblique</td>
</tr>
<tr>
<td>font-weight: bold;</td>
<td>normal, bold, bolder, lighter</td>
</tr>
</tbody>
</table>
CSS Comments

• You can place a comment in CSS by using the following syntax:

```html
<style type="text/css">
/* body layout */
body{
    background-color: black;
    color: orange;
}
</style>
```
Example with Multiple Rules

```html
<html>
<head>
  <title>CMSC104 CSS Example</title>
  <style type="text/css">
    body{
      color: blue;
    }
    h1{
      color: red;
    }
  </style>
</head>
<body>
  <h1>What color is this Heading?</h1>
  What color am I?
</body>
</html>
```
Multiple Rule Screenshot

What color is this Heading?

What color am I?