

Announcements

- **Please bring laptops on Friday**
- **Do not wait until the last minute to practice submitting project**
- **Verify your submission by downloading it from the submit server**
- **For borders on the table, use CSS**
- **We don't want a lot of links on your additionalInfo page.**

Children and Descendants

<div>

<p>

**... **

</p>

<p>

<i>...</i>

...

...

...

</p>

</div>

**How many children
does each element
have?**

**How many
descendants?**

**Which elements are
“siblings”?**

Why “Cascading”?

CSS rules can be defined in many layers:

External CSS file

At top of HTML page

In a particular element

In a “child” element

In a “grandchild” element

Etc.

Each layer can “override” previous ones.

Colors

1. Some colors are built-in:

yellow, white, teal, silver, red, purple, orange, olive, navy, maroon, lime, green, gray, fuchsia, blue, black, aqua, ... (MANY MORE...)

```
p {color:maroon;}
```

2. Create your own by mixing amounts of Red, Green, and Blue in the range from 0 to 255:

<http://www.colorpicker.com/>

```
p {color:rgb(94,89,191);}
```

Example: Colors.html

Size Units

Relative Units (Used Frequently):

- **px** – pixels
- **em** – height of the current font
- **ex** – height of the letter ‘x’ (lower-case) in the current font

Absolute Units (Used Rarely):

- **pt** – points
- **pc** – picas
- **in** – inches
- **cm** – centimeters
- **mm** – millimeters

Percentages – e.g.: 50%

- Used when element is contained inside another
- Represents percentage of the width of the “Containing Element”

Example: [Sizes.html](#)

Comments

- Recall HTML comments:

```
<!-- This is an HTML comment -->
```

- CSS comments look different:

```
/* This is a CSS comment */
```

Universal Selector

We have seen “type” selectors:

```
p {color:green;}
```

Universal selector:

```
* {color:green;}
```

ID Selector

HTML File:

```
<p id="Joe">This is a paragraph</p>
```

CSS rule with ID selector:

```
#Joe {color:green;}
```

A particular ID can only appear ONCE in HTML document!

Example: ID_Selector.html

ID_Selector.css

Class Selector

HTML File:

```
<p class="awesome">Blah Blah...</p>
<p class="awesome">Blah Blah Blah...</p>
<b class="awesome">Blah...</b>
<div class="awesome">Blah blah blah...</div>
```

CSS Rules with Class selectors:

```
.awesome {
    color:green;
    font-size:10pt;
}
```

Example: [Class_Selector.html](#)
[Class_Selector.css](#)