# Announcements

- **Do not wait until the last minute to submit project**
    - **TA office hours will be very crowded the day the project is due**
    - **We do not grant extensions due to technical problems on your end**
- **Verify your submission by downloading it from the submit server**

# Useful Links

1. **Where can I find a list of properties I can set and what values are allowed for each one?**

   http://www.htmldog.com/reference/cssproperties/

2. **Is there a way to check if my CSS is "correct"?**

   http://jigsaw.w3.org/css-validator/

**Both of these links are now on the class webpage (in the Resources section).**

# Children and Descendants

```
<div>
        <p>
                <span>
                        <b>... </b>
                </span>
        </p>
        <p>
                <i>...</i>
                <ol>
                        <li>...</li>
                        <li>...</li>
                        <li>...</li>
                </ol>
        </p>
</div>
```

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

**How many descendants?**

**Which elements are "siblings"?**

# Inheritance of Properties

**In some cases, the "child" inherits the properties of the "parent".**

**CSS rules can be defined in many layers:**

**External CSS file (rules for entire web site)**
**At top of HTML page (rules for a particular 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

**Absolute Units (Seem appealing, but not very "scalable"):**

- **px - pixels**
- **pt – points  (Used frequently for fonts)**
- **in – inches**
- **cm – centimeters**
- **mm – millimeters**

**Relative Units ( <span style="color:red">These are usually better!</span> ):**

- **vw – 1% of width of window (viewport)**
- **vh – 1% of height of window (viewport)**
- **em – height of the current font  (<span style="color:red">best choice in many cases</span>)**

**Percentages – e.g.:  50%**

- **Represents percentage  of the size 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

**Common practice to avoid using "inline" style:**

**HTML File:**

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

**CSS rule (in separate file) with ID selector:**

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

**A particular ID can only appear ONCE in HTML document!**

**Example:  ID_Selector.html**

        **ID_Selector.css**