

Announcements

- **Project #1 has been posted**
 - Put all of your files (HTML pages and pictures) in the same folder
 - Be sure you know how to zip the folder and submit the zip file.
 - Do not wait until the last day to attempt submitting for the first time
- **If the size of your zip file is greater than 8MB you need to re-size your photos to make them smaller**

Cascading Style Sheets

Recall:

- **HTML specifies the structure and content of page**
- **CSS will be used for “style”**
 - **Colors**
 - **Borders**
 - **Fonts**
 - **Sizes**
 - **Spacing**
 - **Page layout**
- **Nice illustration:** <http://www.csszengarden.com/>

CSS Rules

Style is defined with Rules:

```
h1 {color: green; font-size: 100pt;}
```

Property Value Property Value

Selector Declaration Declaration

A diagram illustrating the syntax of a CSS rule. The rule is shown as 'h1 {color: green; font-size: 100pt;}'. Red brackets and labels identify the parts: 'h1' is the Selector; 'color: green;' is a Declaration, with 'color' as the Property and 'green' as the Value; 'font-size: 100pt;' is another Declaration, with 'font-size' as the Property and '100pt' as the Value.

“All h1 elements will be green and size 100pt”

CSS Rules

More Examples:

```
p {text-align: center; background-color: red;}
```

```
h3 {  
    text-decoration: underline;  
    color: gray;  
    text-transform: uppercase;  
    word-spacing: 20px;  
}
```

Three places for CSS rules

1. External Style Sheet

- Separate CSS file for the whole site
- This is where most rules should go

2. Internal Style Sheet

- In the “head” section of a particular HTML page
- Can augment or “override” rules from an external sheet

3. Inline Style

- Applies to just one element
- Can augment or override more general rules

Let's look at an example...

External Style Sheet

1. Suppose we create a file called “rules.css” that contains lots of CSS rules.
2. We can put a link in the head of each HTML page on our site:

```
<link rel="stylesheet" type="text/css" href="rules.css" />
```

Example: SeparateCSSFileExample

- Plain HTML
- Using an external style sheet

External Style Sheet

- Let's modify the CSS rules a bit to see how the entire site adapts...

Internal Style Sheet

Put style element in head of web page:

```
<style type="text/css">  
  p {color: purple}  
  table {border: 2px solid}  
</style>
```

These can override rules from external sheet

Let's modify our example to test it out...

Inline Style Rules

Apply style attribute to individual tags.

We have done this:

```
  
<table style="border:2px solid black;">
```

- Use the **style** attribute
- No need for “selector”
- These can override more general rules

Let's modify our example to test these out...

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 on the class webpage (in the Resources section).

Quiz #1

Please clear your desks!