



FEWD - CSS BASICS

WILLIAM NEELY

A kinder, gentler Genie!

AGENDA

- HTML Basics Review
- Images
- Intro To CSS
 - Link Tag
 - Colors
 - Fonts
- Linking To Other Pages
- Lab Time



WHAT TAG IS IT?

HTML BASICS REVIEW

HTML BASICS - IMAGES

- Images are placed using the `` tag.

```

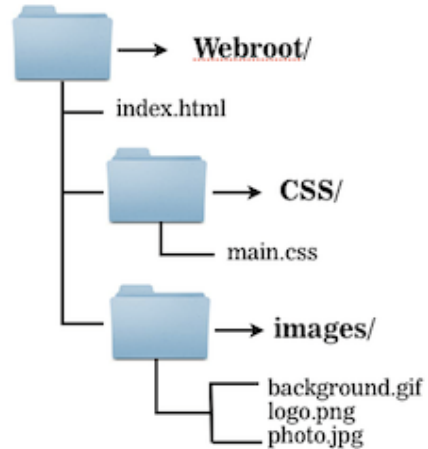
```

HTML BASICS - IMAGES

The `img` tag requires a `src` attribute, which tells the browser where to find the image to be placed.

HTML BASICS - IMAGES

How would you write the src?



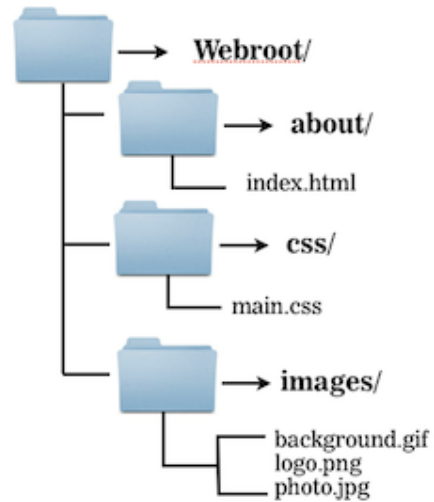
- There are different approaches to specifying an image location

HTML BASICS - IMAGES

- Inside `webroot`, a relative path could be used:
``

HTML BASICS - IMAGES

Relative Path



HTML BASICS - IMAGES

Absolute Path

```

```

HTML BASICS - IMAGES

Full URL

```

```

HTML BASICS - IMAGES

alt attribute

```

```

HTML BASICS - IMAGES

There are three main image file formats:

IMAGE FILE FORMATS

.PNG

- Supports transparency
- Smaller size than jpg (typically)

IMAGE FILE FORMATS

.GIF

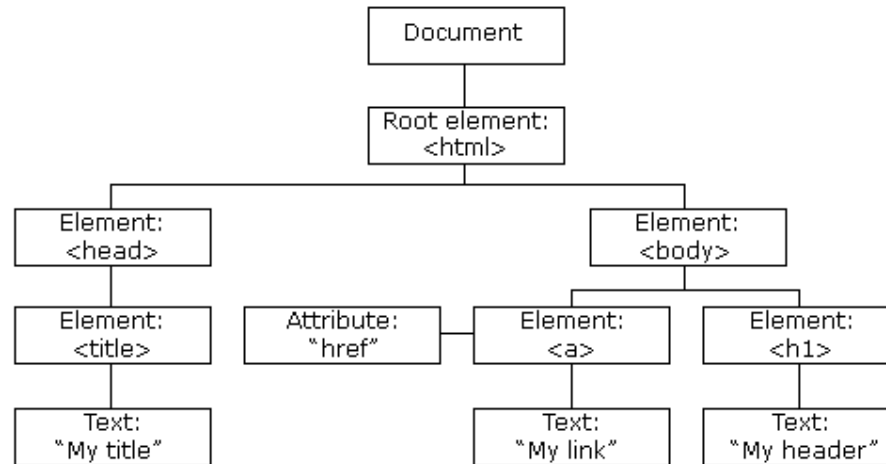
- Can have basic transparency, typically a `png` is used instead.
- Can support multiple images (for a short animation)

IMAGE FILE FORMATS

.JPEG

- No transparency
- Used for photographic images
- Different compression levels
 - Balance image size with image quality

DOM TREE



BOXING 101

- Using the handout, draw boxes around the individual sections of content on the page
- Inside out or outside in is a matter of preference



ABOUT ME

- Set up folder with resume and index
- Show how to link
- doctype,html,body,head,meta,title,link
- Convert your boxed in image to html

CSS

selector property value
{ p { color : black; } }

declaration

CSS

Where does CSS go?

- Inline
- In the `head`
- In a separate file

CSS

Using a separate CSS file

Its best practice to put CSS in its own file and link to it from the `<head>`.

```
<link rel="stylesheet" href="style.css">
```

CSS BREAK DOWN

```
p {  
  color: red;  
  font-weight: bold;  
}
```

CSS BREAK DOWN

This whole thing is called a **rule**.

The `p` is called a **selector**, and it's followed by a set of **declarations** in a **declaration block**.

CSS BREAK DOWN

The **selector**, `p` in this case, specifies what parts of the HTML document should be styled by the declaration. This selector will style all `p` elements on the page.

CSS BREAK DOWN

The **declaration block** here is:

```
{  
  color: red;  
  font-weight: bold;  
}
```

Declarations go inside curly braces.

CSS BREAK DOWN

DECLARATIONS

This example has two declarations. Here's the first:

```
color: red;
```

CSS BREAK DOWN

Let's look at the second declaration:

```
font-weight: bold;
```

CSS BREAK DOWN

Why might we want to link to a separate CSS file?

CASCADING STYLE SHEETS (CSS)

COLORS

Colors can be specified in CSS in a variety of ways:



COLOR

COLOR KEYWORDS

These are used less frequently, but are handy for basic colors like black and white. There are several

See [here](#) for more

COLOR

HEX CODES (RGB)



#FF0000 (full red, no green, no blue)



#00FF00 (no red, full green, no blue)



#0000FF (no red, no green, full blue)

COLOR

RGB COLOR VALUES

RGB (0 , 0 , 0)

- The first value is red, the second green, the third blue.
- Each value can range from 0 to 255, which expresses the same number of color steps as 00 to FF in base-16.

COLOR

RGBA COLORS

- RGBa works identically to RGB, expect that it takes a 4th value called the "alpha".
- This is a value between 0 and 1 which will be used to determine a color's opacity on the page,



COLOR

HSL COLORS

HSL

- Similar notation to RGB values, but specify colors using hue, saturation, and lightness.
- Support: IE9 and above and of course everyone else supports it

HSLA

- As with RGBa, HSLa is exactly like HSL for the first 3 values, but takes a 4th alpha-channel value.

CSS

REVIEW

- **Selectors:** How we choose the elements we want style to apply to (What 's an element?)
- **Property:** The style we want to change (e.g. color,background,border,etc)
- **Value:** The setting for the style we want to apply (e.g. 1px,red,solid)
- **Declaration:** A property (key)-value pair that together applies a style to a selected element



LAB TIME

- Wendy G. Bites - Resume.

