Images

An image is any kind of a graphics file that is rendered as a picture on the web page. An image is made up of pixels. Pixel stands for "picture element". A pixel is a single rectangular point in a larger graphic image made up of many rectangular points that form a grid.

There are many kinds of graphic formats. The following are the most common:

- BMP – Bitmap (*.bmp)
- EMF – Enhanced MetaFile (*.emf)
- GIF - Graphics Interchange Format (*.gif)
- JPEG - Joint Photographic Experts Group (*.jpg or *.jpeg)
- PNG - Portable Network Graphics (*.png)
- TIFF - Tagged Image File Format (*.tiff)

In HTML, the <img> tag is used to display an image. The <img> tag is one of the few HTML tags which have no element content. Use the *height* or *width* attribute on the <img> tag to change the pixel height or width.

The <img> attributes are:

Attribute	Means?	Mandatory?	Sample
src	Source File	Mandatory	src="mydog.jpg"
alt	Alternate Text	Mandatory	alt="A picture of my dog"
title	Flyover Text	Optional	title="A picture of my dog"
width	Width	Optional	width="120px"
height	Height	Optional	height="50px"

The alternate text, as specified by the **alt** attribute, will be displayed on the page if the browser is unable to find the image. If the user cursors over an image on a webpage, the flyover text, as specified by the **title** attribute, will pop up.

Example:

```
<img src="mykitty.bmp" alt="A picture of my cat." title="A
picture of my cat." width="32px" />
```

Because the <img> tag has no element content and no end tag, the "/" that normally makes up the end tag is found before the ending angle bracket.

Note: You should never use both width and height in the same <img> tag!

Image File Names

Developers of web pages should be extra careful when naming files. All file names should use the following symbols and no others:

- Lowercase letters a-z
- Numerals 0-9
- Dash –
- Underscore _

The following are examples of legal file names:

- pg001.jpg
- imag9.bmp
- carlos-monahan.png
- my_favorite_friend.gif

The following file names are *not* acceptable:

- Kobe_Bryant.jpg   (upper case letters)
- My Favorite Friend.jpg (upper case letters and spaces)
- o'donnell.gif (quote)