

FUNDAMENTALS OF INTERACTIVE DESIGN [Armato]
Assignment #3 – Image Optimization – [10pts]

This assignment will result in two HTML files: *a03a.html* and *a03b.html*. You must make sure BOTH are accessible.

PART A (in-class): Add images to your *a03.html* file:

1. Acquire images related to your biographical paragraph from two of the following sources:
 - Getty Images
 - AccuNet/AP
 - A scanned image
 - An original digital photo (you and your partner could shoot portraits of each other)
2. Create two optimized files from each image:
 - One 144px wide (<20KB)
 - The other 480px wide (<50KB)
3. Add the thumbnails (small images) to your Assignment 03a web page
4. Make each thumbnail image link to another HTML page containing only the large image, its citation, and a link back to the Assignment 03a page
5. Date the pages

PART B: Create a web page that will display the results of different image optimization settings:

1. Use both a photographic image and a graphic image (create your initials in Illustrator).
2. Each optimized image should be no more than 144px wide. Save them in TIFF format first so you have a file size benchmark.
3. Optimize each image as a GIF, a JPG, and a PNG 8. Use three different settings for each file format:
 - *great* image quality but excessive file size
 - *acceptable* image quality and acceptable file size (<12KB)
 - *clearly unacceptable* image quality but smallest file size of the three
4. This will result in 9 new files for each of your 2 images. **THAT'S 18 NEW IMAGE FILES!** Keep them organized!
5. Create an HTML page with two tables to organize these images.
6. Use the `` tag to display each image.
7. Use the **alt**, **width** and **height** attributes in each **img** tag.
8. In its table cell, label each image with the file type, optimization settings, and the size (in kilobytes) of the optimized file.
9. Write a short paragraph describing what you learned about optimizing images for the Web and which setting you think was ideal for each of the two images.
10. Date the page.

DUE: Uploaded to your OLS server by the beginning of class Tuesday, Week 4.

The <table> Tag

This code:

```
<table border="1">
  <tr>
    <td>Top Left Cell</td>
    <td>Top Right Cell</td>
  </tr>
  <tr>
    <td>Middle Left Cell</td>
    <td>Middle Right Cell</td>
  </tr>
  <tr>
    <td>Bottom Left Cell</td>
    <td>Bottom Right Cell</td>
  </tr>
</table>
```

Looks like this:

Top Left Cell	Top Right Cell
Middle Left Cell	Middle Right Cell
Bottom Left Cell	Bottom Right Cell

The Tag

This code displays an image file on your web page:

```

```

Replace all information within the quotation marks " " with whatever is relevant to your document. The image tag has no end tag, so it must be self closing—hence the forward-slash / before the greater-than sign >.

An image tag should be used within a block-level element such as <p> or <td>. If it is also enclosed in <a> tags, the picture itself will be a clickable link.
