Adam's handy guide to HTML for the Completely Scared

HTML = HyperText Markup Language

HTML is code that tells your computer how to display text and images in a Web browser.

General file structure:

Main site or folder (aka 'the sandbox')
      Inside that:
- .html files (your different 'pages')
- .css files (your 'style sheet')
- images (.jpg, .gif, .png), PDFs, etc.
- other folders

"index.html" will always be your homepage. When you type *"plaza.ufl.edu/WHATEVER"* in your web browser, you'll be seeing *"plaza.ufl.edu/WHATEVER/index.html"*

your *.css file* (usually *'style.css'* but can have any name) tells all of your HTML files to 'style' the text in certain ways – what kind of font, color, etc.

• put all your images, pdfs, etc in the same folder

• if it helps you stay organized, you may want to make folders inside the sandbox: 'images' 'pdfs' etc.

• if you do this, make sure to put the folder name before the file name in your code: *'images/bieber.jpg'*

Basic format of an HTML file:

```
<head>
        • title
        • stylesheet
        • meta tags
        ...stuff your computer needs to know, but you don't see
</head>

<body>
        • all the stuff you see
        • text
        • special codes for links, images, 'embedded objects,' etc.
</body>
```

Tags

words between the < and > signs are called 'tags'

most of the time, you need an opening and closing tag: SOME TEXT
     (if you don't, whatever the tag says [bold in this case] will keep going to the end of the
     document)

here is a glossary of the basic tags:

     <html> </html> – tells computer "this is an HTML file. Open this in my web browser"
     and "OK I'm done"

     <head> </head> – see above

     <body> </body> – see above

     <div> </div> – a "division" of the browser window. Used to separate the banner from
     the text, from the sidebar, etc. Be careful not to erase these!

     <p> </p> – "Paragraph" – this lets you make spaces between each paragraph. Just
     start a new <p> before each paragraph and a </p> when it's done.

     **
** – "Break Return" – you can use this to skip lines, just like "Return" or "Enter" in
         Word

     ** ** – "Emphasis" – makes the text *italic*

     ** ** – "Strong> – makes the text **bold**
     there are other tags for strikethrough, underline, etc. . . .

     ** ** – "Unordered list" – used to separate lines for menus, tables, etc.

     ** ** – "List item" – used for each *item* in the *unordered list.*
     Example: menu –

            <li class="something">Home
            Puppies!
            My Compositions

Side note: styling a list item (for menus)
when you open the template, one menu list item will have something like <li class="something"> – this tells the browser to highlight that particular item (different for each template, depends on your .css file)

For each different page on your site, copy that whole tag, and put it next to the corresponding page.

Look at the difference between the menu above and this one:

Home
<li class="something">Puppies!
My Compositions

We would do this on the 'puppies.html' page to highlight that menu link.

LINKS

**<a> ** – "Anchor" – anchors a LINK to this text

link format:
        linked text

example 1 (within your website):
        My bio!

example 2 (going to another website):
        Best. Site. Evar!

note: for external sites, you MUST include the "http://" and full URL (or else your computer will assume that the website exists on your hard drive)

IMAGES

tag (note: it closes itself! No closing tag needed):

Make sure the file name is spelled correctly. If it is in a second folder inside your sandbox, include that too:

Linking to an image on another site isn't recommended (they might delete it!), but you can do that too:

You can change the width and height by changing the numbers. Use with caution (try to keep the same proportions)!

EMBEDDED SOUND

If you have an mp3 in your sandbox, you can 'embed' it on your page like so:

<embed src="callmemaybe.mp3" width="600" height="50" autostart="false" />

This makes a little music player so you can start and stop the file.

Just like images, you can change the music player size. If you don't include the 'autostart="false",' then the file will play automatically when someone loads the page. (Annoying, but hey, it's your site!)

EMBEDDING FROM YOUTUBE

YouTube makes this easy. They generate some code that you can copy and paste:

Go to the video you'd like to embed. Underneath, you'll see the thumbs-up and thumbs-down. Look for where it says "Share" and click it.

This will bring up several options. Click "Embed."

This will generate some code that looks like this:

> <iframe width="420" height="315"
> src="http://www.youtube.com/embed/dQw4w9WgXcQ" frameborder="0"
> allowfullscreen></iframe>

Copy and paste the whole thing into your HTML file.

You'll see that you can adjust the width and height, just like an image.

A couple more handy things

HTML will combine all of your spaces into just one. If you need to make extra spaces (as in spacebar spaces), use this code: ** **

If you like bullet points, use this to make one: **•**

UPLOADING YOUR SITE

Once you have all of the pages made, everything works on your computer, and you're happy with how it looks, it is time to 'publish' on the web.

You have free web space on the *'plaza.ufl.edu'* server. This is one of UF's computers, and you have access to upload files to one little (20MB) folder on that computer.

When someone types in *'plaza.ufl.edu/YourGatorLinkID',* they will see your 'index.html' page.

Uploading is simple, but you will need an **FTP (File Transfer Protocol)** *client* (not 'Server'!) program.

I recommend **"FileZilla"** (http://www.filezilla-project.org). On the lab computers, we have **"Cyberduck."** Both work in a similar way.

When you open the program, you'll need to fill in some log-in information (in Cyberduck, click 'open connection' first).

- Host/Server (same thing): type "plaza.ufl.edu"
- Username: type your GatorLink ID (your email name)
- Password: type your GatorLink password
- Port: should be 21, you can leave this alone

This will log you into your folder. The first time, it should be empty.

All you need to do now is drag-and-drop your files into the 'plaza' folder.

Caution: don't drag the whole folder. Highlight all the files and drag them over. Otherwise, to see your site, friends will have to type: 'plaza.ufl.edu/yourname/sandbox/index.html' instead of the *far more elegant* 'plaza.ufl.edu/yourname.'