

HTML & CSS Review



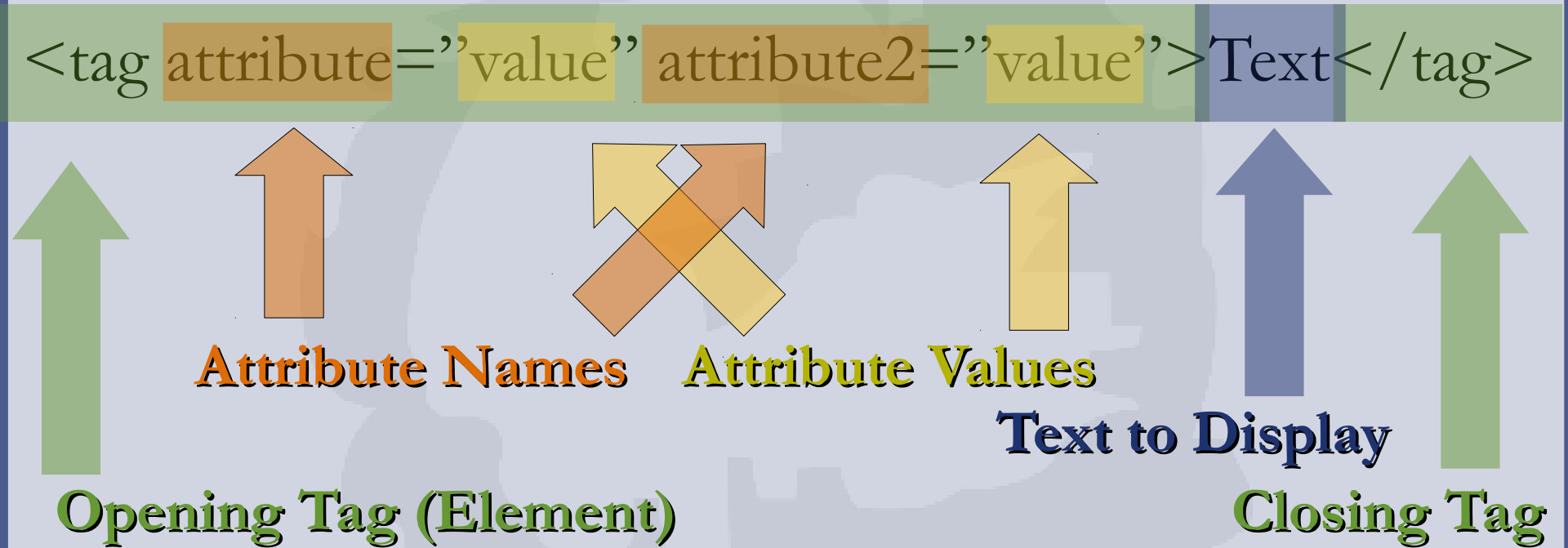
HFCC – CIS222

11 January 2012

Announcements:

- ✓ No school on Monday
- ✓ HW 1 - Due 18 Jan (Wednesday)
 - It's on the stuff we're covering now

Anatomy of an HTML Tag



Example HTML Tags

➤ Tag with closure:

- `<p>This is some text.</p>`
 - Paragraph tag, creates and ends a new paragraph

➤ Tag without closure (empty tag):

- `<br>`
 - Line break , like hitting enter on a keyboard

➤ Tag with attributes:

- ``
 - Includes an image on the page, the 'src' attribute is the source file of the image (banner.jpg in this case) and the 'align' attribute is the horizontal alignment of the image (right in this case)

Components of an HTML Page

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN"  
"http://www.w3.org/TR/html4/strict.dtd">
```

```
<html>
```

```
<head>
```

```
  <title>My First Webpage</title>
```

```
</head>
```

```
<body>
```

```
  <p>This is the text of my page.</p>
```

```
</body>
```

```
</html>
```

Common HTML Tags

Tag	Description
<html> ... </html>	Declares the Web page to be written in HTML
<head> ... </head>	Delimits the page's head
<title> ... </title>	Defines the title (not displayed on the page)
<body> ... </body>	Delimits the page's body
<h <i>n</i> > ... </h <i>n</i> >	Delimits a level <i>n</i> heading
 ... 	Set ... in boldface
<i> ... </i>	Set ... in italics
<center> ... </center>	Center ... on the page horizontally
...	Brackets an unordered (bulleted) list
...	Brackets a numbered list
	Starts a list item (there is no)
 	Forces a line break here
<p>	Starts a paragraph
<hr>	Inserts a Horizontal rule
	Displays an image here
 ... 	Defines a hyperlink

DIV vs SPAN

➤ Both used to group data for CSS formatting

➤ `<div></div>`

- Groups *block* level information
 - Affects the 'stuff' and all of the 'whitespace' around the stuff
- Isolates the block with line-breaks (like the `<p>` tag)
- Imagine a box around the data

➤ `<span></span>`

- Groups *inline* level information
 - Affects the 'stuff' only
- Does not visually change formatting or line-break
- Imagine selection of text in a document

Questions?



Let's Try It!

- **Create a Webpage...**using Notepad++
- Name it *InClass-HTML.html* and make sure it has:
 - Doctype (HTML 4.0 Strict)
 - Header
 - Title should be “*In class HTML Demo*”
 - Include character encoding declaration
 - Body
 - A title
 - Your name
 - A sentence or two in a paragraph tag
 - A bullet-point (not numeric) list of something
 - A link to my web page (<http://cis.hfcc.edu/~jklance>)
 - Download a picture and include that too
- **Raise your hand if you have finished (or if you are stuck)**

Uploading Our Files

- Using **cis.hfcc.edu** server exclusively
 - Upload/Download with SSH/SFTP
 - Filezilla!
- Using Filezilla
 - Host: **cis.hfcc.edu**
 - Username/Password: use your Novell logins (school logins)
 - Port: **22**
 - The left-hand pane is your local computer
 - The right-hand pane is the remote computer
 - Drag things back and forth

Questions?



Let's Try It!

➤ Setting up our workspace

- Connect to the HFCC server with Filezilla
 - cis.hfcc.edu, port 22 (memorize this)
- In the left-hand pane
 - Navigate to where you are currently saving your work
 - This is your “*working directory*”
- In the right-hand pane
 - Double-click on 'public_html'
 - Right-click in an empty area and select '*create directory*'
 - Name the directory '*cis222*' (case sensitive)
 - Double-click on that directory
 - Perform the previous three steps to create an '*inClass*' directory
- Move your *inClass-HTML.html* file up to the server in your *inClass* folder
 - You should see it at:
<http://cis.hfcc.edu/~userID/cis222/inClass/inClass-HTML.html>
- **Raise your hand if you have finished (or if you are stuck)**

Let's Try It!

➤ Upload our work

- Connect to the HFCC server with Filezilla
 - cis.hfcc.edu, port 22 (memorize this)
- In the left-hand pane
 - Navigate to where you are currently saving your work
 - This is your “working directory”
- In the right-hand pane
 - Double-click on 'public_html'
 - Right-click in an empty area and select '*create directory*'
 - Name the directory '*cis222*' (case sensitive)
 - Double-click on that directory
 - Perform the previous three steps to create an '*inClass*' directory

➤ Raise your hand if you have finished (or if you are stuck)

➤ Cascading Style Sheets

- Used to add style to a document

➤ Styles can be applied to tags, IDs, or classes

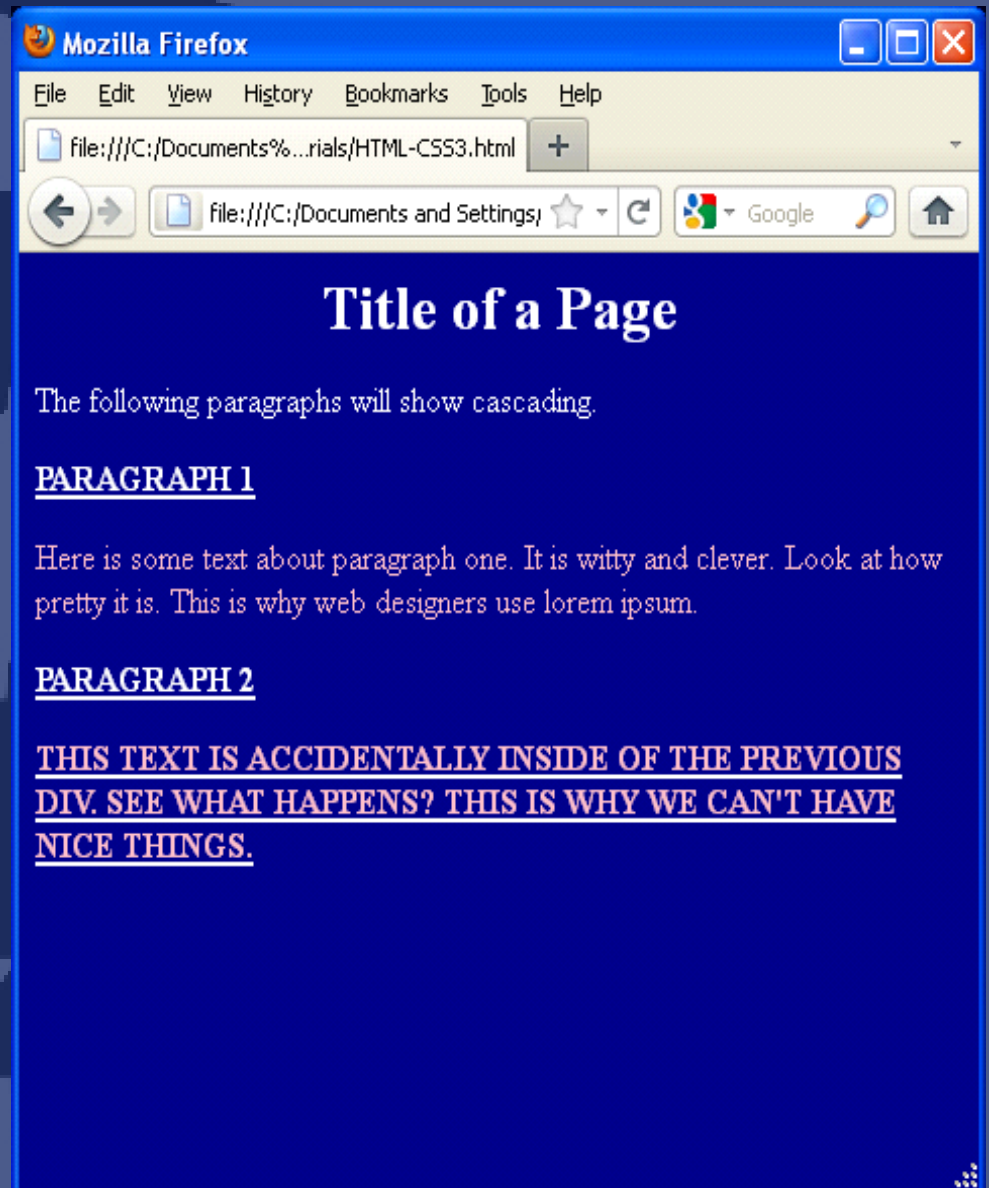
- **Tags:** preexisting elements that are part of the HTML or XHTML standard
 - In CSS, represented by the name of the tag
- **IDs:** unique name assigned to a specific element
 - In CSS, represented using the hash character (#) before the ID name
- **Classes:** non-unique name used to identify an element or elements
 - In CSS, represented using a period (.) before the class name

➤ Hierarchy of an HTML document

- `<html>`
 - `<head>`
 - a `<title>`
 - `<body>`
 - a `<h1>`
 - b `<p>`
 - `<u>paragraph</u>`
 - c `<ol>`
 - `<li>`
 - `<li>`

Inheritance Example

```
C:\Documents and Settings\JerrMy Documents\Dropbox\Work\HFCCMi...
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
HTML-CSS3.html new 3
1 <style type="text/css">
2   body {
3     background-color: darkblue;
4     color: white;
5     font-size: 12pt;
6   }
7   #heading {
8     text-align: center;
9     font-size: 22pt;
10    font-weight: bold;
11  }
12  .sectionHeading {
13    text-decoration: underline;
14    text-transform: uppercase;
15    font-weight: bold;
16  }
17  .normalText {
18    color: pink;
19  }
20 </style>
21 <body>
22   <div id="heading">Title of a Page</div>
23
24   <p>The following paragraphs will show cascading.</p>
25
26   <div class="sectionHeading">Paragraph 1</div>
27   <p class="normalText">Here is some text about
28   paragraph one. It is witty and clever. Look at how
29   pretty it is. This is why web designers use lorem
30   ipsum.</p>
31
32   <div class="sectionHeading">Paragraph 2
33   <p class="normalText">This text is accidentally
34   inside of the previous div. See what happens? This
35   is why we can't have nice things.</p>
36 </body>
length Ln : 18 Col : 20 Sel : 0 Dos\Windows ANSI INS
```



Questions?



External CSS

- CSS can be **Inline**, **Internal**, or **External**
 - **Inline** goes right inside the tag it is going to modify
 - **Internal** gets a name and goes in the same file as the elements it will modify
 - **External** works like Internal, but all styles go in a separate file that can be referenced by multiple pages
- We will use External CSS

Using External CSS

➤ Stylesheet: *style.css*

```
body {
    background-color: blue;
    color: yellow;
    font-size: 16pt;
    font-family: Garamond, serif;
}
#header {
    font-size: 2em;
    font-weight: bold;
    text-align: center;
}
.listEntry {
    font-size: 0.8em;
    color: white;
    text-indent: 10px;
}
```

➤ Webpage: *cssDemo.html*

```
<html>
<head>
    <title>Jer's Favorite Things!</title>
    <link rel="stylesheet" type="text/css" href="style.css" />
</head>
<body>
    <div id="header">Jer's Favorite Things!</div>
    <div class="listEntry">Raindrops on roses</div>
    <div class="listEntry">Whiskers on kittens</div>
    <div class="listEntry">Pizza</div>
    <div class="listEntry">Reading</div>
    <div class="listEntry">Buffalo wings</div>
    <div class="listEntry">Electronics</div>
    <div class="listEntry">Those tiny ears of corn</div>
</body>
</html>
```

➤ Handy Reference, Leslie Franke's CSS Cheat Sheet

<http://lesliefranke.com/files/reference/csscheatsheet.html>

Questions?



Let's Try It!

➤ Add CSS to our Webpage

➤ In an external stylesheet called *style.css*

- Make the background *darkblue*
- Make the default font size 12 point
- In the body of the document:
 - Center the title and make the font size 22 point and bold
 - Center your name, italicize it, and size it 16 points
 - Indent the first line of paragraphs 20 pixels
 - Change the list decoration to disks
 - Force all list entries to lower-case lettering
 - Make links and visited links orange, bold, and not underlined
 - Add a 2 pixel wide, green, solid border to the pictures
- Add any classes or IDs necessary to do this, and don't forget to link your page to the stylesheet!
- Upload both files to the server and test

➤ Raise your hand if you have finished (or if you are stuck)

Next Session

➤ Homework 1 (HTML & CSS) due

- Uploaded to your web directory and UCompass by the start of class

➤ PHP Basics Review from CIS122

- (Read CH1)

➤ Don't forget...next class session is on Wednesday