Assignment #1  
  
Why are we doing this?  
  
HTML is the basic language for presenting information via the Internet. While there are many web development tools that will create HTML for you automatically, such as Dreamweaver,  in this assignment you will not use these tools. Rather, in order to be a professional you need to know how to write HTML on your own. The best way to do this is just to build web pages.

**Bootstrap MAY NOT be used for any projects in this course**

How I want you to do this assignment  
  
**I want you to write your pages for this assignment using Notepad, or some similar plain text editor.**You might feel this is unrealistic—that a real professional would never create a site this way.  Actually that is not true. Many true professionals actually prefer to code their HTML via a text editor because they can have more control over their code, and they can really understand what’s going on with their web pages. By doing this it will take you longer to create your pages, but you will understand HTML 1000 times better!  
  
The Assignment  
  
Here are your instructions:

1. Using Notepad or any other text editor, create a .html file . For example, your file could be called MyFirstHTML.html.
2. For this assignment you are to build a webpage for one of the US National Zoos. **I will send each of you an email indicating which US Zoo you will be assigned for this assignment.** The site you create will be used to get the word out about these national treasures. Your site should contain the following information:

* Name of the US Zoo
* Location
* Opening and Closing times
* Events/Tours/Exhibits
* Entrance Fees (if none indicate free)
* Interesting facts about the zoo
* Date established/size (acreage)/# of visitors per year
* Educational Programs (if offered)
* Aquatic Life
* Animal Life
* any other pertinent information

The HTML file will have the following elements and meet the following specifications:

**(NOTE: a and b apply only to your XHTML document)**

1. Your page MUST conform to the www.w3.org XHTML 1.0 standard. Use the HTML Validator at the w3 website to check your page for conformance. Please include the following code:

a. <p>  
 <a href="https://validator.w3.org/check/referer"><img  
 src="https://www.w3.org/Icons/valid-xhtml10"  
 alt="Valid XHTML 1.0!" height="31" width="88" /></a>  
 </p>  
b.  Have an appropriate XML declaration  
c.  Have an appropriate DOCTYPE tag  
d.  Have a <meta> tag that correctly indicates which character set you are using  
e.  Have an appropriate title for your page  
f.  Create and link in a style sheet  
g. You **should NOT use** any formatting tags e.g. <font>, <center>, etc. and you should not use the formatting attributes of tags, such as bgcolor, etc.  
h.  Please include at least two images in your document. One should have a link to another page; the other does not  
i.  Have a table  
j.  Have a bulleted list (unordered)  
k. Have a numbered list (ordered)  
l.  Have a list within a list  
n. Have a hyperlink that is represented as text  
o. Have headings of different sizes (at least 4)  
p. Text of different fonts and colors (at least 4)

q. paragraphs of text

1. You will create your page using XHTML. Once you have created this page you must then re-create it using HTML5.
2. Under **Week 0** there is a posting called **Web Development Tools**. Every modern browser includes a powerful suite of developer tools. These devtools, as they are commonly called, will be quite helpful in inspecting/debugging your browser side code. These tools can do a range of things from inspecting currently loaded HTML, CSS or JavaScript to showing which assets the page has requested and how long they took to load.  Debugging skills are as an important a skill set to have as programming skills and these tools will aid you in the process.  This posting will show you how to access the Development Tools for several of the most common browsers used today.
3. Be sure to test your webpages on more than one browser (Safari/Firefox/Chrome/Opera/Edge)
4. Upload **ALL** your **files** to the public\_html folder of your AFS account using whatever FTP client you are comfortable with. I have posted information regarding two clients that I feel are easy to use. This can viewed under Week 0 under FTP Client Set Up.  When you are done the **URL** for your web page will be **http://web.njit.edu/~yourUCID/your document name.html**.
5. ALSO, **please upload** all your files PLUS **a file containing the URLS** **where your assignments are located in Canvas.** Without the URL I will not be able to grade your assignment. The time stamp recorded by Canvas will be the timestamp that I use to determine if your assignment is on time or not. **Points will be deducted if not all of the files/URLs used in the assignment are not uploaded in Canvas**  
     
   Please remember the University Honor Code when completing this assignment:

NJIT has a **zero-tolerance policy** regarding **cheating of any kind** and student **behavior that is disruptive to a learning environment.**

The**work you do and submit is expected to be the result of your effort ONLY.** You may discuss the high level (general) solution of a problem. However, **cooperation should not result in one or more students having possession of a copy of all or part of a program written by another student or tutor.** Furthermore, **the use of publicly available code is allowed in a very limited manner and requires attribution (use appropriate citations).**No assignment/project should contain more than **~15% of code that is obtained from sources other than your own creation.**

The**penalty for violating the university's honor code** **includes** a **grade of zero** **for the** **submission** **and  IMMEDIATE REFERRAL to the Dean of Students in ALL cases**and may include **at a minimum failure in the course plus disciplinary probation up to expulsion from NJIT with notations on a student’s permanent record.**  Therefore it is best to avoid situations where honorable behavior could be misinterpreted. More information on the honor code can be found at (please read over both

**The following URLwill give you step by step instructions on how to submit your assignment files in Canvas.**

[https://community.canvaslms.com/docs/DOC-10663-421254353 (Links to an external site.)](https://community.canvaslms.com/docs/DOC-10663-421254353)

Good Luck,

Maura