Notes for class 1510

**What happens when you type an address into a URL?** .html, opens browser, the browser can read this file and it knows how to display it. The “tags” tell the browser how to display the contents. Tag examples <p></p>, <h1></h1>, <a href = “[http://www.plong.com](http://www.plong.com/)”>Plong home page</a>

* The browser looks up the domain in DNS.
* DNS associates the domain name with an IP address like 127.0.9.22.
* The browser sends an HTTP request to the web server.
* The server finds the requested file and sends it to the client (your device).
* The browser takes response and renders the HTML code. The HTML may request additional resources such as images, video, audio, etc.

Long term you need to use more than one browser to test your pages!

Click the link to see browser accessibility: <http://www.html5accessibility.com/>

Test your browser: <http://html5test.com/index.html>

What is HTML5? <https://coursera.org/share/7039e9a5ad98e6cbe9cd84a67a96aeb0>

**Template!** I find it best to have a basic template to use as a starting point. Usually named html\_template.html. I’m lazy and I don’t like having to retype the same stuff every time.

Validating code! W3C validation <https://validator.w3.org/>

CSS validator <http://jigsaw.w3.org/css-validator/>

Accessibility checker! <https://achecker.ca/checker/index.php> It works similar to HTML validator.

Accessibility support: the term “accessibility” is used to mean the ability of an assistive technology like a speech recognition tool or screen magnifier to access content in the browser. Source: <https://developer.paciellogroup.com/blog/2016/08/what-does-accessibility-supported-mean/>

Persistence. Keep trying, don’t be afraid to ask for help!

Practice! Practice! Practice! The only way to learn coding is to write code.

**Goal!** Read and understand code.

Editor, use what works best for you. Notepad++, Visual Studio Code, Notepad, …

Need the following: a Text Editor and Google Chrome Browser.

An online editor that you will become familiar with <http://www.w3schools.com/html/tryit.asp?filename=tryhtml_intro>

Reference Textbook: <https://shayhowe.com/html-css/> This site uses CodePen - a tool that lets you see the code and the output. Clicking on the code will also take you to the CodePen site where you can try changing the code to see what happen. Video in reference to CodePen: <https://coursera.org/share/a0c8e37977badbdebe66b6fa85910675>

**Reading:** Lesson 1 up to but not including “In Practice”. Look at the **HTML Document Structure Demo** by clicking EDIT ON CODEPEN in the upper right corner. Just so you can see what it looks like.

Reference Web Site for class: <https://www.w3schools.com/html/>

Optional hands on practice, Codecadademy: <https://www.codecademy.com/>

File naming

* under\_score or camelCase. Be consistent.
* No spaces, no capitalization except for camelCase naming.,
* Naming examples: 1510\_lesson1.html, lessonOne1510.html.
* Organization: 1510 folder, each lesson in it’s own folder, project in it’s own folder.
* Create the 1510 folder on your desktop.

Create first file in a text editor.

Using the html\_template.html file, create a new file file called “hello\_world.html”. It needs to include the header1 element with Hello World! inside the <h1> tags, it should be titled Hello World (inside the proper <title> tags in the <head> section, and your name, the date completed, class info, and the assignment name. Bu sure to validate the file when done. Email me the file when finished. Email to [paul.long@northgatech.edu](mailto:paul.long@northgatech.edu). Include the assignment name “Hello Work” and the class number “1510” in the subject or you may not get credit for your work.

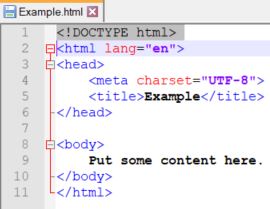
The HTML DOM <https://www.w3schools.com/js/js_htmldom.asp> (intro thru events)

Doctype: Version of HTML.

Head section: Information the user does normally see. For example: metadata, language, title (the only thing displayed, it’s on the tab of your browser), JavaScript, styling, add-ons.

Body: Where the content and the HTML tags go.

I usually leave a blank line between the head and body sections for readability purposes.



Show the validation of the file: <https://validator.w3.org/> . Show valation with an error.

Explain that I use the HTML validator as I go to check the content as I’m working. Edit code, check, edit code, check. This way I tend to have at most one error at a time which is easier to fix than multiple errors.

Responsive Design: <https://www.w3schools.com/html/html_responsive.asp>

Readings https://www.w3schools.com/html/

**Lesson 2**, Read the following: [HTML Introduction](https://www.w3schools.com/html/html_intro.asp), [HTML Editors](https://www.w3schools.com/html/html_editors.asp), [HTML Basic](https://www.w3schools.com/html/html_basic.asp)

Comment tags:

HTML <!-- ~~~~ -- >

CSS /\* ~~~~ \*/

Cascading Styles Sheets – 4 methods: Inline, Embedded, External, and Imported

|  |  |  |
| --- | --- | --- |
| CSS styles – order of preference | | |
| Highest |  | Lowest |
| Inline Styles | Embedded Styles | External Styles |

Look at Web Research and Focus on Web Design