

Assignment 3: CSS Basics
INFO/CS 1300
Fall 2016

Overall Goals:

Assignment 3 is the first CSS-based assignment. The assignment builds on the concepts of the previous assignments with the goal of being able to style your barebones site with a banner title, navigation bar, sidebar, and main content block. You will become comfortable with basic positioning of <div> blocks in CSS, which are important in providing style to your HTML pages.

Tasks:

Develop a page with:

- Top banner with site title
 - Distinct background color
 - Site Title text color different from default
- Nav bar below banner and above content container
 - Distinct background color
- Main content block that is 960px wide containing
 - An image with a caption
 - Some paragraphs
- A colorblind friendly color scheme (using Vischeck.com).
- Use FileZilla or a similar SFTP client to upload the files to the course server in a directory named “assignment03”.
- Take a screenshot of your page and check it on vischeck.com for colorblindness usability. Download the three colorblind images produced by vischeck.com, label them as “deuteranope.jpg”, “protanope.jpg”, and “tritanope.jpg”, and include them in a directory called “vischeck” in the “assignment03” directory.
 - <http://www.vischeck.com/vischeck/vischeckImage.php>

Deliverables:



- Use FileZilla or a similar SFTP client to upload the files to the course server in a directory named “assignment03”.
- One valid HTML5 file on a topic of your choosing including all required elements.
- The HTML5 file uploaded to the course server in a directory named assignment03.
- Image files placed in subdirectory named “images”.
- All three colorblind test images included in the “vischeck” directory.
 - Named appropriately (e.g. *deuteranope.jpg*, *protanope.jpg*, *tritanope.jpg*).

- *Note:* Using git is not required (but highly recommended) for this assignment.

Example:

HTML vs. XML: A Tale of Two Standards

[HTML Specification](#)
[HTML Validator](#)
[XML Specification](#)
[XML Validator](#)


VS.


So What's the Difference?

HTML and XML offer different feature sets for Web developers. HTML provides a fixed set of structural elements to mark up headings, paragraphs tables, etc. XML, in contrast, provides extensibility, allowing developers to create new elements as needed. Just as importantly, XML provides *semantic* markup, i.e., an indication of what the content of an element *means*.

A couple of sample tags will illustrate. The HTML tag simply tells us that the text is a heading. The XML tag tells us that the content of the text describes the author:

- HTML: `<h2>George R.R. Martin</h2>`
- XML: `<author>George R.R. Martin</author>`

Both Specifications ([HTML Specification](#), [XML Specification](#)) are maintained by the [World Wide Web Consortium \(W3C\)](#). There is also a free, online validator available for each language ([HTML validator](#), [XML validator](#)).

Due Date: Tuesday, September 20th at 5 p.m.

General Assignment Policies:

- You are free to go beyond assignment requirements, but make sure that your extra work does not interfere with those requirements. For example, adding an extra script that creates invalid HTML5 code will result in a lower grade.
- Late work will be penalized 10% per day, including holidays and weekends.
- Assume all assigned file and directory names should be used with the correct case. E.g., if the assigned file name is “index.html”, “Index.html” is not acceptable.
- **All** media files must be credited in an HTML comment adjacent to the img or other media tag *every* time they are used. The credit must include a specific URL for the media file.
 - Failure to do this will result in the following penalties:
 - 25% deduction the first time.
 - 50% deduction the second time.
 - 100% deduction the third time, with possible referral for violation of Cornell’s Code of Academic Integrity.
 - Note: this includes media generated by an API, e.g., an icon generated by the Facebook API.
 - Note: individual assignments may require additional credit for media files.
 - If you create a media file yourself, credit yourself by name, not by a general statement like, “I made this.”

- If any of the assignment files, directory names, or variable names include one or more spaces, there will be a 5% deduction.
- The presence of unneeded files in an assignment directory that make it difficult to grade your work may result in a 5% penalty.
- You are free to find and adapt code from sources that *allow you to use the code*, but you must provide credit for the code, including a specific URL or citation for the source.
 - You may not use large blocks of unmodified code and receive full credit for the assignment. If you have any doubt about your use of borrowed code, you should consult with a TA or me.