CS 1301 – Lab 2
HTML/CSS
Due: Thursday, February 16th, 11:55pm

File to submit to T-Square:
- edited lab2.html
- at least one other html file (named anything that ends in .html)
- style.css
- any images you reference in your html

You should work individually on this assignment. You may collaborate with other students in this class. Collaboration means talking through problems, assisting with debugging, explaining a concept, etc. Students may only collaborate with fellow students currently taking CS 1301, the TA's and the lecturer. You should not exchange code or write code for others. For individual assignments, each student must turn in a unique program. Your submission must not be substantially similar to another student's submission. **Collaboration at a reasonable level will not result in substantially similar code.**

For Help:

- TA Helpdesk – Schedule posted on class website.
- Email TA's or use Piazza Forums

Notes:

- **Do not forget to include the required collaboration statement** (outlined on the syllabus).
- **Do not wait until last minute** to do this assignment in case you run into problems.
- **Read the entire specifications document before starting this assignment.**

Getting Started With HTML/CSS

In lecture, we recently covered a little bit of HTML/CSS. In this lab, you will build your own web page! You will be using a text editor of your choice to write the HTML yourself (Python will not be necessary for this assignment). Before you get started, you may want to review some of these links that cover the basics of HTML and CSS:

• http://www.htmldog.com/guides/htmlbeginner/
• http://www.htmldog.com/guides/cssbeginner/

HTML is a language that specifies the content of a web page. A CSS file specifies how that content is presented to the viewer (the colors, fonts, positioning, etc). HTML files end with the ".html" file extension, and CSS files end with the ".css" extension. A CSS file is "linked" to an HTML file by means of a special HTML tag in the header; see the sample lab2.html to find how this works. You will need at least two .html files and one .css file by the time you are finished. Download the given files in order to get started:

• lab2.html
• style.css

Note:
It is critical when saving HTML files to always save them as plain text, not RTF, Microsoft Word files, or any other format. Even if there is an option for "HTML file", ignore it in favor of the option for plain old text. In Windows, this may be a drop down in the save dialog box. In TextEdit on a Mac, you will need to select Format -> Plain Text in the menubar. You may also use a third party text editor. Here some text editors that you might find preferable to the built-in options:

• https://atom.io
• https://www.sublimetext.com

At any time, you can test your progress by opening the .html file in a web browser such as Firefox or Chrome.

Requirements

When your website is complete, it will need to meet the following criteria to receive full credit:

- A lab2.html file exists.
- A style.css file exists.
- At least one (or more) other .html file(s) of your choosing exists.
- It is important to note that all HTML files you make can and probably should use the same .css file for styling (but they don't have to).
- The main page (lab2.html) must contain your name.
- Your other .html file(s) (aside from the lab2.html) need to be linked from lab2.html.
- One of your pages must contain some text about something, in paragraph form (<p> tags).
- You need to use CSS on all your pages. Your CSS must contain the following:
    - Formatting of the page background and default text (colors, fonts, background images, anything)
    - Formatting of at least 2 text elements such as <p> or <h1>.
    - Formatting of links (<a> tags); formatting visited, active, hovered links is optional
- The site overall must contain at least 2 (or more) images. These can be spread out across your pages however you wish.
- An HTML table containing some type of information, that is at least 3 by 3 in size.
- At least two external links to other sites.
    - One must be linked via the usual clickable text.
    - One must be a clickable image link. (i.e., nesting an image tag inside an <a> hyperlink tag).
- The HTML and CSS of your site must validate as xhtml 1.0 transitional (see the next section for more information).

You can, of course, add anything else you want. Go crazy – but not **too** crazy.

Your site can be about anything: yourself, your pets, your hobbies, some organization you participate in, or something entirely fictional.

You may receive up to 5 bonus points on this lab for going above and beyond what is required.

Rules

Validation:
To receive full credit for your assignment, your html and css files must pass the W3C validation tests. You can test your webpages by uploading them here:

https://validator.w3.org/#validate_by_upload

If you see any errors when testing your pages, be sure to resolve them before submitting the assignment to avoid loss of points.

Other:
You may not use any kind of HTML generator or "WYSIWYG" editor to make your site. You need to do it the old-fashioned way, using a plain text editor (such as Notepad, IDLE, vim, Sublime Text, Atom, etc.).

You may look at any other pages you want for ideas and examples, but do not take code from them. The sample files are excluded from this rule; you may (and should) use them to build your own files.

Rubric

`lab2.html`   **50**
    lab2.html exists   5
    validates as xhtml 1.0 transitional   10
    name   5
    image 1 (anywhere on the site)   5
    image 2 (anywhere on the site)   5
    image link   5
    text link   5
    3x3 table   5
    uses <p> tag   5

`other html page`   **10**
    exists   5
    validates as xhtml 1.0 transitional   5

`style.css`   **40**
    exists   5
    validates   10
    background formatting   5
    default text formatting   5
    text element 1 formatting   5
    text element 2 formatting   5
    link formatting   5