

## CSC 4370/6370 WEB PROGRAMMING

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### FALL 2016 ASSIGNMENT 1

**DUE DATE: 09/05/2016**

**(START OF CLASS 5.30 PM)**

Create a home page that is viewable by anyone anywhere who can browse the Web. This home page is to be named **index.html** and placed in your **public\_html** directory. The URL of this page will be

<http://codd.cs.gsu.edu/~lhenry/home.html>

Substituting, of course, your own login name for lhenry.

### ***Submission Requirements***

*You must turn work at the SPECIFIED TIME so you can receive credit for Homework!*

*Homework 1 must be submitted on desire2learn by the due date and time. Late homework will be subject to a penalty, as stated in the course grading policy. No email or hard copies of homework will be accepted.*

*You may discuss the assignments with other students in the class, but (as stated in the academic honesty policy) your written answers **must be your own**, and you must list the names of other students you discussed the assignment with.*

### **How to Submit**

Log into D2L ([desire2learn.gsu.edu](http://desire2learn.gsu.edu)), select the class to view its drop box folders, select the correct folder for the given assignment and upload the file there.

**(Please copy link into a text file submission must be in txt format)**

You will get a confirmation email. Please save the conformation email in the event something goes wrong, for example work was submitted to the wrong folder etc...,

The page is to be created ``from scratch," using a plain text editor. You may use or NotePad++ etc., but I *recommend* getting acquainted with notepad++, which has many features you will find helpful. In any case, you are not to use a graphical web-page authoring application such as FrontPage, DreamWeaver etc. A link for *notepad++*, *eclipse* etc.. is located on the class home page. The purpose of this assignment is to demonstrate your understanding of fundamental concepts of HTML, and to get practice in placing content onto the web server.

Please review this link [Codd Setup](#) before your proceed with this assignment.

## **Getting Started**

You must create a GitHub account. Please read <https://help.github.com/articles/user-organization-and-project-pages>, the "User & Organization Pages" section.

Be sure your page includes all of the following elements:

- The default file for your website must be named **index.html**. Without this file, visitors to your website will see a listing of the files you have in your **public\_html** directory.
- As you create new files and directories, you must verify that they have the proper permissions set. The proper setting for all files within **public\_html** is 644, and for all directories is 755.
- Also, you must change your home directory to be executable if it is not. That is: `chmod 755 ~/`.
- **If one of these steps is not completed, you will get the 403 error (status code)!**
- Use External Stylesheet: Your page must be controlled by an external stylesheet! Note: You must add a link to your external stylesheet from your page so it can be downloaded.
- You an image as a background; please ensure that the image is not overpowering but pleasant to display the text and links etc.;
- Add a title and heading to your web page, and make sure you can view it. Make up a clever title for your web page, and put it in the title element.
- A link to the Computer Science Department's main home page, which is <http://www.cs.gsu.edu/>
- A head shot (Photo of you). Followed by your name center the heading with your name and image if appropriate to make it look clean.

- Create a section that will have all links that will take me to Assignments and Projects using a zebra-striped table no borders, every other row is a different color
- A list of hobbies or interest displayed as an HTML unordered list and second list (e.g., your top-ten favorite CDs).
- Link at least two of your hobbies or interests to websites related to those interests (**biography**).
- Create a **nested list** that must include the following
  - Education (heading required): bulleted list of schools.
  - Job history (heading required): numbered list of jobs.
- You should include a favorite quote (e.g., a poem or line from a movie) using a DIV element.
- There should be at least 3 external links to other websites of interest.

You may add other elements according to taste, such as an image of yourself and links to personal pages where you can feel free to put whatever you want. But keep the size of *this* page (including images) to less than approximately 100 KB for the sake of visitors with slow connections. Also, keep in mind that future assignments will involve more advanced HTML features, so for now keep it simple.

Use CSS to change the font used throughout the page to sans-serif. To do this you can set the font for the body element, which will be inherited by all elements contained within the body (which is everything displayed on the webpage). Alternatively, you can create a style rule with the special universal selector which is represented by the asterisk. The universal selector matches any element, however it's not very efficient and will slow rendering of your page down a bit.

For example the following rule

will turn everything on the webpage to red:

```
* {
color: red;
}
```

Setup your links to use the “: hover” pseudo-class (use a: hover so that only the links are effected). How the link changes when the mouse moves on top of it is up to you, but if you're short on ideas, just have the link change colors.

Add <span> tags and setup your style sheet so that every time the word “Georgia State, Computer Science and 2 more words of your choice” appears, it is in red and is in bold.

Please be sure to embed your code within a table attributes wherein your border = 0 width = 80-85% and align = center

## **More Guidelines**

You must adhere to the following guidelines:

1. All HTML pages must pass the official HTML5 specifications via <http://validator.w3.org/>
2. You must use at least one (1) CSS file. The CSS file, or one of the CSS files, must have at least 5 rules
3. All CSS files must pass the official CSS validation via <http://jigsaw.w3.org/css-validator/>
4. You cannot use frames.
5. You cannot use any styling element for any purpose (e.g., <strong>, <em>, <font>, <center>). All styling must be defined in CSS.
6. You cannot use any styling attribute in elements (e.g., <h3 align="center">).
7. You cannot use absolute URLs for images.
8. You cannot use front-end frameworks such as Bootstrap.
9. You cannot use other people's CSS files.
10. You cannot use JavaScript (or jQuery for that matter; considering we have not covered JavaScript yet!).
11. All file names must be in lowercase and only [a-z0-9\_.] characters can be used for file names (universal standard). That is, do not use whitespace in file names!
12. All content must be stored in your special repo **YOUR\_GITHUB\_USERNAME.github.io**, master branch, of your GitHub account.

**Specifically, do not use frames or JavaScript**

**YOU WILL LOOSE POINTS.**