

HW2 – Simple Web Site Design

MSCI:3300 – Software Design and Development

Due **Tuesday, February 3, 2015**

Assignment:

Design a simple, two page web site about yourself. Use Git for version control of your application.

The purpose of this assignment is to help you become familiar with HTML tags and attributes, using external Cascading Style Sheets, and coding to HTML5 and CSS3 standards. This assignment will also continue your introduction to Git version control commands and workflow. It is meant to be a fun assignment that will also allow others in your group to learn more about you. I will complete a HW2 as well so you can learn more about me. It will be located at

<https://instruct.biz.uiowa.edu/courses/msci3300/colbert/html/HW2>

Special Note:

Instruct is available to anyone in the world via a web browser (<http://instruct.biz.uiowa.edu>). Please keep this in mind as you are deciding what information to share on the web pages. If you would prefer to not use your personal contact information feel free to just use your name and / or email address.

Requirements:

- 1) The web site should be created with a text editor such as Notepad++. Please do not use Dreamweaver, Visual Web Developer, etc.
- 2) Files should reside in a HW2 folder on your Instruct. Your page should open automatically when I browse to your HW2 folder.
 - i) Create two separate web pages in the root of your HW2 folder with hyperlinks to move back and forth between the pages.
 - (a) index.html - This is the first page users will see when they browse into your HW2 folder.
 - (b) resume.html - This will be your online resume.
 - ii) Sub folders and file structure within the HW2 folder is your choice.
- 3) Include two appropriate photos of yourself appropriately tagged so tooltips will show in IE, Firefox and Chrome.
- 4) Include at least two different sizes of headings (i.e. <h1>, <h2>, etc.)
- 5) Include information in at least one HTML list.
- 6) resume.html should contain your resume with text left justified on a centered <div>
- 7) Use an external style sheet to apply formatting to at least six elements on your web site including background-color.
- 8) Your style sheet should use at least 1 .css class for custom formatting.
- 9) Your style sheet makes use of a border and the box model for at least 1 element on your web site.

- 10) Create a second external style sheet for printing. Printing your resume.html page should be white background with black text. Headings, bold, and italics are OK, but any pictures or color text/backgrounds should not be included in the print version.
- 11) When viewed on the computer, resume.html should have styling similar to your index page. When printed, the print style sheet will be active and remove many of the formatting elements.
- 12) Appropriate use of heading tags, paragraph tags, and line breaks to organize information.
- 13) Site layout appears organized and easy to follow.
- 14) Site text is grammatically correct and spelled properly.
- 15) Pages pass successful validation as HTML5 and CSS3.
 - i) Run your pages through a validation program and fix any errors. I recommend doing this frequently, so you know when something breaks.
- 16) You have multiple git commits and pushes with useful commit messages, including a final, to your GitHub repository. You should also use at least one git branch and push the branch to your GitHub repository. Your branch should be merged back into master. Your final commit should include a Git tag indicating this is the code for version 1 of your web site.
- 17) I will view your pages on Instruct for grading.
- 18) I will view details of your HW2 repository on your GitHub account.

Suggested Workflow

1. On GitHub, create a new repository named HW2 and initialize it.
2. Clone your Github HW2 repository to your local computer desktop.
3. Inside the HW2 folder on your local computer desktop, create index.html.
4. Add basic HTML5 structure to index.html and validate it. You may choose to copy this to Instruct to make validation easier.
5. Create your initial commit using git add, git commit, and git push.
6. Create resume.html in the HW2 folder on your local computer. Add basic HTML5 structure, create hyperlinks between the two pages, test functionality, and validate the page.
7. Create your second commit using git add, git commit, and git push.
8. Add “data” and photos to your two pages. Commit and push as often as you wish.
9. When you are happy with the data on your pages, commit and push.
10. Git branch your project. Name the branch “style-sheet”.
11. Change to the new branch. Add an external stylesheet to HW2 folder and link each file to it.
12. Commit to this branch using git add, git commit, and git push

`git push origin style-sheet` <This pushes the style-sheet branch to the origin (Github)>

13. Add CSS styling rules to your external stylesheet and test.
14. When you are happy with the results, commit to this branch using git add, git commit, and git push.
15. Merge this branch with the master branch.
16. Test, validate, and tweak until you are happy with the results.
17. Create a final commit, tag, and push for this project.
18. Upload final HW2 folder to your Instruct so I can view it at
<http://instruct.biz.uiowa.edu/courses/msci3300/yourhawkid/html/HW2/>