HTML5 & CSS3

Purpose

The purpose of this assignment is to help you become familiar with HTML and CSS. These two standards are ubiquitous to the Internet. If you are to be Internet literate, having a basic ability to create and understand HTML and CSS is necessary. In addition, this assignment will also continue your introduction to Git version control workflow.

Design a simple, two-page web site about yourself. Use Git for source code management for your application. Remember to use feature branches.

Special Note:
Eventually, your web site will be live (available to anyone in the world) via a web browser. Please keep this in mind as you are deciding what information to share on the web pages.

Details

1) Files should reside in a root folder which is a Git repository.
    i) Create two separate web pages in your 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 root folder.
        (b) The name of the second page is your choice.
    ii) Sub folders and file structure within the root folder is your choice.
    iii) Create links to at least one external web site

2) Include two appropriate **photos** of yourself.

3) Include at least two different sizes of **headings** (i.e. <h1>, <h2>, etc.)

4) Include information in at least one **HTML list**. Ordered or unordered is your choice.

5) Use an HTML table on at least one page. Format the table using external CSS.

6) Use an **external style sheet** to apply formatting to at least **six elements** on your web site including **background-color**.

7) Your style sheet should use at least one **CSS class** for custom formatting.

8) Your style sheet should make use of a **border and the box model** (border, margin, and padding) for at least one element on your web site.

9) Use appropriate heading tags, paragraph tags, divs, and line breaks to **organize information**.

10) Your site layout should appear **organized** and **easy to follow**.

11) Your site text should be **grammatically correct** and **spelled properly**.

12) All HTML and CSS pages should **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.

13) You should have **multiple git commits** and pushes with useful commit messages, including a final, to your GitHub repository. Your final commit should include a **Git tag** indicating this is the code for version 1 of your web site.

14) Push your web site to your Microsoft Azure web application using GitHub.

Suggested Workflow

1. On GitHub, create a new repository named *hawkid*_HW8 (i.e. Colbert_HW8) and initialize it.

2. Clone your new GitHub repository to your local computer desktop.

3. Create a feature branch inside of Git and checkout this feature branch. Your development should occur in this feature branch. Feel free to create as many additional branches as you wish.

4. Inside the root folder on your local computer desktop, create index.html.

5. Add basic HTML5 structure to index.html and validate it.

6. Create your commit using git add and git commit.

7. Create your second .html file in the root folder on your local computer. Add basic HTML5 structure, create hyperlinks between the two pages, test functionality, and validate the pages.

8. Commit using git add and git commit. Merge this feature branch into master and push it to GitHub. Change back to your feature branch and continue.

9. Add "data" and photos to your two pages. Commit and push as often as you wish. Push into a feature branch on GitHub with the same name as your local feature branch.

10. When you are happy with the data on your pages - merge, commit and push to GitHub master.

11. Change back to your local feature branch. Add an external stylesheet to the root folder and link each .html file to it.

12. Add CSS styling rules to your external stylesheet and test.

13. When you are happy with the results, merge and commit.

14. Test, validate, and tweak until you are happy with the results. Continue committing locally as necessary.

15. When you are finished, perform a final commit and merge your local feature branch onto your local master branch. Create a final commit, **tag**, and push the local master to the origin master for this project.

16. Create a Microsoft Azure web app and link your GitHub master branch to this web app.

17. View your web site live.

18. Make any additional tweaks, commit locally, push to the GitHub master branch and observe your changes live on the server.

19. Validate your .html and .css files. Correct any errors. When validation passes, commit, push, and make screenshots showing that each page passes.

Deliverables

Please upload to the ICON Assignment:
1. the URL to your web page on Azure
2. the URL for the GitHub repository for this assignment
3. three screenshots (2 .html pages & 1 .css page) showing successful validation