

EGG 101 – Assignment #4

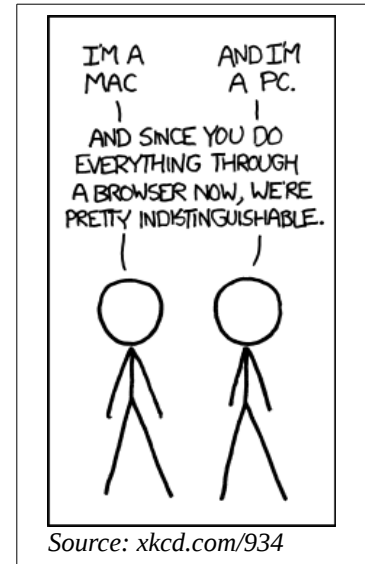
Due: Monday (2/12)

Points: 100 (80 pts for basic functionality listed and 20 pts for additional user selected items)

Purpose: Become familiar with basic building blocks used for web technologies.

- Skills:** Develop skills applying basic Hyper Text Markup Language (HTML) formatting tags (including nesting requirements) as required to display formatted multi-media content.
- Knowledge:** Understanding of the HTML document structure, formatting tags, style/color elements and client/server nature for web content that is used for all web pages.

Note, if you have not previously created a web page, due to the combination of skills and technologies required, you may run into road blocks or get confused. Please seek assistance in the lab session, the instructor, or via the tutoring center (which is free).



Assignment:

Create a personal Web site using the UNLV Rebel Sites Student Web Publishing System.

Your site must include three HTML files and one CSS file: home.html, links.html, summary.html, and main.css. The requirements for each file are as follows:

home.html

- include a link tag that incorporates the external main.css stylesheet
- include a header stating your name, class and section, and semester
- display at least one photo (typically of yourself, but not required)
- include some information about yourself
- post links to the other two html files

links.html

- include a link tag that incorporate the external main.css stylesheet
- include a title bar and page title that indicates the purpose of the page (something like “Links” will suffice)
- include a list of at least 5 of your favorite links (make sure they are do not violate the OIT usage policy)
- include a link back to the home page

summary.html

- include a link tag that incorporates the external main.css stylesheet
- include a title bar and page title that indicates the purpose of the page (something like “Architecture Summary”)
- include a 2-4 paragraph summary of the von Neumann computer architecture

- include a diagram, schematic, or image depicting the von Neumann computer architecture
 - you may design your own or, you may use any non-copyrighted image from the web
- include a link back to the home page

main.css

- Use the main.css file to set the background. The background can either be a color you select or an image
- Set the font to sans-serif
- Center all headers
- Feel free to experiment with other styling options as desired

The goal is to demonstrate some creativity and visual appeal for your page! For example, you should choose contrasting font and background colors so the content is easily readable. You must create the site and develop the HTML yourself (i.e., in a text editor) and not use any high-level tools (such as GoogleSites, DreamWeaver, etc.).

The TA and myself will select several of the best sites and they will be shown in class.

Note, you are not allowed to use copyrighted material.

You are free to reference the W3Schools tutorials on HTML and CSS (<http://www.w3schools.com/>)

Prerequisites:

This assignment will require a UNLV ACE account log-in (username and password), which you should already have.

Implementation Guidance:

Step 1:

Become familiar with a text editor. Examples include Notepad / Notepad++ (Windows), Text Wranger (MAC), or gEdit (linux). Be able to create and edit a text file. Notepad++ is pre-installed on all UNLV lab machines. If necessary, request assistance from the lab monitor.

Step 2:

Review the *HTML Basics* document, posted lecture notes, and your class notes. Ensure that you are familiar with the following:

- Basic HTML document formatting requirements (including the *html* body, and *head* tags).
- Basic text formatting tags (including various header levels, paragraph, bold, italic) and the associated nesting requirements. Also includes HTML tags for color, images and links.
- Internet color specifications (red, green, and blue intensities).

Step 3:

Login to any UNLV lab machine (e.g., library, TBE-A311, etc.). Use the text editor to create a basic web page. The file should be named **index.html** (lower case). Unless you are already familiar with HTML, it is suggested that you start with only the basic items outlined in the assignment guidance (above). *Note*, you may create the file at home and transfer it to a lab machine when you arrive on campus (via USB drive, or e-mail, etc.).

Step 4:

Copy the file to the **public_html** directory. Dragging a dropping the file into the folder will work as always. If necessary, request assistance from the lab monitor.

Step 5:

Open a browser (i.e., Explorer, Firefox, Chrome) and enter your Uniform Resource Locator (URL) into the address bar (top).

The URL of your site will formatted as follows:

[https://rebelsites.unlv.edu/~\[your-ACE-user-name\]](https://rebelsites.unlv.edu/~[your-ACE-user-name])

With your actual user name after the ~ (tilda).

Note, the tilda is part of the URL (and you will need to type it).

If needed, the directions for using the UNLV Rebel Sites Student Web Publishing System is located at the following Uniform Resource Locator (URL):

<http://oit.unlv.edu/student-website-publishing>

Step 6:

Once the basic page is completed, add addition information, images, and/or links. This might include something about yourself or something about some of your interests.

Criteria for Success:

A successful assignment will have the following characteristics:

- In accordance with the *UNLV Student Conduct Code*¹, the submission must be all your own work.
- Correctly formatted web page that is viewable using a standard browser (Firefox, Chrome, Internet Explorer, or Safari).
- Page content that includes (as a minimum), your name, at least one photo/graphic, basic content (user selected topic), a link to external site, and a link to sub pages.
- Correct usage of HTML formatting with showing multiple style elements (i.e., color, sections, header levels, bulleted/numbered lists, and/or tables).
- Nicely formatted web page with creativity and visual appeal.
- Hand developed web page not using external automation tools (we can tell).
- No copyrighted material may be be used on the web page.

Submission:

When complete, submit:

- The URL of your completed web site.
 - *Note*, the assignment #4 page will allow you to directly enter text where you should input the URL of your site.
 - No additional comments are needed.
- Must be submitted prior to class time (1:00 PM) on the due date.
- ***Assignments received after the due date/time will not be accepted.***

¹ For more information, refer to: <http://studentconduct.unlv.edu/conduct/pdf/Student-Conduct-Code.pdf>