Assignment: Project 3

Assignment in WEEK 3 GRADED ASSIGNMENTS

21 AUG

STATUS

Objectives & Outcomes

Successful completion of this activity will show that you can:

- Utilize basic HTML elements to add markup and semantics to a web page
- Ensure web pages validate to web standards set by the World Wide Web Consortium
- Implement common CSS rules to add layout and design to a web page

Level of Effort

This activity should take approximately 300m to complete. It will require:

- 60m Research
- 60m Prep & Delivery
- 180m Work

If you find that this activity takes you significantly less or more time than this estimate, please contact me for guidance.

Instructions

This assignment will require that you have completed all the activities so far, as you will incorporate their objectives into a ongoing four-part project. Make sure to fix any errors from the previous project and continue to add to it for this assignment.

Build Your Site

Your project should demonstrate your proficiency with these concepts:

- Layout
- Backgrounds
- Comments
- Validation

You will be graded on your ability to demonstrate a proficiency in each of these concepts and you will see these reflected in the grading rubric provided. Below are the concepts broken down into the requirements for the project:

- Layout
  - Create a two or three column layout *with floats and elements*, using the following CSS properties:
    - width
    - float
    - padding
    - margin
    - clear
- Convert to Liquid Layout
  - After creating the multicolumn layout, convert the fixed width layout to a liquid layout. The following properties should be converted from *pixels* values to *percentages*:
    - width
    - margin
  - Convert any font-size properties from *pixel* values to *ems*. If you need help converting, use the pixel-to-em converter in the Resources.
- Backgrounds
  - Add a *repeating* background image using these CSS properties (use the Resources to download a repeating pattern image):

        - background-image
        - background-repeat
        - background-position
    - Add a *non-repeating* background image using these CSS properties (use the Resources to download an icon image):
        - background-image
        - background-repeat
        - background-position
    - Add a CSS gradient using this CSS property (use the CSS gradient generator in the Resources):
        - background
- Comments
    - Add comments to both your HTML and CSS to help with organization. For example, HTML comments where divs close ("end content") and CSS comments to split the stylesheet into different sections ("main styles", "navigation", "layout", etc.).
- Validation
    - Make sure both your HTML and CSS are valid using the W3C Validation Services.

Note: Make sure you are creating a multi-column layout by floating elements to receive credit. Don't forget to clear your floats too.

Make sure to convert from pixel values to percentages. Drag the browser window to see how the layout of the page changes with the liquid layout.

Check Your Page

Open the web page in your browser to make sure that your page looks the way you expected and that both your HTML and CSS validates. If there are any problems go back and check for errors in your code.

Video Walk-through

Watch the videos in the Resources for a walk-through of this assignment.

Submission Requirements

- Upload your files to GitHub.com: Sync your repository using the “gh-pages” branch.
- Submit through FSO: Create a properly named folder (see below). Place your assignment into this folder. Also include URLs to your GitHub.com repository & live web page in a text file (.txt). THEN compress (zip) the folder and submit it.

When you have completed this assignment:

- Make sure your folders and files are named correctly and synced with GitHub.com
- Create a new folder named *lastname-firstname-project3*
- Place all your folders and files from this assignments into this folder
- Include a text file of your GitHub.com URLs (see the *Web Standards, Tools, Introduction to HTML* activity for details)
- Zip your folder (right-click/select “Compress”)
- Submit your zipped folder through FSO

Note: You are required to upload your work to GitHub.com *and* and submit it to receive credit for this assignment

Reading & Resources
Textbook: HTML & CSS Design and Build Websites (necessary)
Chapters: Index - Troubleshooting, HTML Elements, HTML Attributes, CSS Properties
Page(s): 503-507

Grading Rubric (https://docs.google.com/spreadsheets/d/1r39Sqab8ukAfUSBsmfHn-ihQNfs7os55Wo89z16rkaU/edit?usp=sharing) (necessary)

Link: W3C Markup Validation Service (http://validator.w3.org/#validate_by_input) (necessary)

Link: W3C CSS Validation Service (http://jigsaw.w3.org/css-validator/#validate_by_input) (necessary)

Link: Efficient CSS with Shorthand Properties (http://www.456bereastreet.com/archive/200502/efficient_css_with_shorthand_properties/) (helpful)

Link: PX to EM Conversion Made Simple (http://pxtoem.com/) (helpful)

Link: DinPattern (http://www.dinpattern.com/) (helpful)

Link: Squidfingers Patterns (http://www.squidfingers.com/patterns/) (helpful)

Link: Iconfinder (https://www.iconfinder.com/) (helpful)

Link: Ultimate CSS Gradient Generator (http://www.colorzilla.com/gradient-editor/) (helpful)

Deliverables

Unzipped assignments will not be accepted. See the instructions and rubric for requirements; incomplete assignments or use of dummy text will result in point deductions. Pages that are too similar to previous activities, from this or other courses, will not be accepted. Contact me if you have any questions before submitting.

Deliverable Files and Content:

Upload a compressed (Zipped) file named `lastname-firstname-project3` which includes:

Part	File Name	Format	Notes
Index	index.html	HTML	This is your web page.
CSS	css	Folder	This is your external stylesheet folder
External Stylesheet	main.css (or appropriate)	CSS	This is your external stylesheet
Images	images	Folder	This is the images folder. It should contain the appropriate file(s).
Git Links	gitlinks.txt	TXT	This text file contains the web addresses (URLs) of your repository AND your live working site on GitHub.com.

Comments