Responsive Transformation

Objective

In your career as a web designer, you will encounter innumerable files that are not coded to reigning web standards. You will need to be able to convert these poorly coded sites into the current web standard.

This project will give you the opportunity to:

- Transition XHTML/HTML4 markup into HTML5 markup
- Remove unnecessary CSS
- Convert from a static width site to a responsive site

Instructions

1. Use Git to clone the starter files and rename it `project_transformation_lastname_firstname` (replace "lastname" with your last name and "firstname" with your first name)
   Transformation Repo - https://github.com/richardkalehoff/UF-project-responsive-transformation
2. On the terminal:
   a. Remove the existing `.git` folder
   b. Create a new Git repo
   c. Add an EditorConfig file with (at least) the following properties:
      i. indent_style
      ii. insert_final_newline
      iii. trim_trailing_whitespace
   d. Add all of the existing files to the repo with a commit message of "initial commit"
3. Refactor the existing code:
   - refactor the HTML into clean, efficient, semantically appropriate HTML5
      o make sure to remove all clearing divs
   - refactor the CSS to make the page responsive using a combination of fluid widths, media queries, and consideration for mobile design
      o remember, mobile first! - max-width media queries should not be used
      o changing just the font-size and/or width of containers does not count as being responsive. You must media queries and styling to change the position, size, and layout of page elements to take make the best use of the available space.
   - work on making focused changes so your commits in Git form a progression of logical, organized changes
4. You may use as many branches as you like while working on this project. However, when you are finished and ready to submit, make sure all of the work you want reviewed/graded is on the master branch in Git.

5. In a Word document, explain your design choices in determining which elements to keep, remove, reposition, resize, and/or redesign in your efforts to make the page responsive.
    *   name the file "Explanation.docx"
    *   add a header to the file which contains your name and the date you finished writing it

The finished product must meet all of the requirements in Appendix A.

Submission

You will be turning in one item on Canvas, uploading the completed site to your web host, and pushing your repository to GitHub:

1. Merge anything you want graded into the master branch
2. Create a repository on GitHub and name it `project_transformation_lastname_firstname` (replace "lastname" with your last name and "firstname" with your first name)
3. In the README file, include:
    a. Links
        i. A link to this assignment's repo on GitHub
        ii. A link to this project on your web host
        iii. A link to this project on the W3C's validator
        iv. A link to this project on the HTML5 Outliner
    b. Resources
        i. A bulleted list of links to resources you used, including a description of what info you took from each resource
        ii. If you did not use any resources, you MUST include the text "I did not use any resources outside of the lectures and my notes on this assignment."
    c. Deductions
        i. Review the list of deductions for this assignment and the list in the Syllabus.
        ii. In the README, type out "I reviewed the list of deductions for this project and in the syllabus."
    d. Comments
        i. Include any comments that you want me to know about or feedback you'd like to leave for this assignment

Canvas

1. Zip up your root folder and name it `project_transformation_lastname_firstname.zip` (replace "lastname" with your last name and "firstname" with your first name)
2. Upload the zipped folder to Canvas

Your Web Host

1. Upload your completed project to your web host

GitHub

1. Push all branches to the repository
2. Push all tags to the repository, if any

Rubric

Description	Value
.git folder is present	5

HTML
   • **Semantic**
   • **Concise**
	30
	   • 20
	   • 10

CSS
   • **DRY**
   • **well-named**
   • **concise**
   • **responsive**
	40
	   • 5
	   • 10
	   • 5
	   • 20

Design
   • **choices are reasonably explained**
	5
	   • 5

Code is clean and appropriately commented	5
Logical, focused commits with short, concise messages	10
Requirements met	5
Total	100

Rubric

Deductions

In addition to the deductions listed in Appendix B of the syllabus, the following deductions apply to this project:

- 2 points for each unneeded/unused HTML elements (up to 10 points off)
- 2 points for each redundant/unused CSS ruleset (up to 10 points off)
- 2 points for each instance an appropriate HTML5 tag could have been used, but wasn't (up to 10 points off)
- 5 points if any "clearing divs" exist in HTML
- 5 points for each theme/style that's missing from the responsive version, for example:
  - the footer's dark background
  - the "active" nav background
  - the shadows below the banner image
- 20 points if Word document is not included