Assignment 5: Responsive Design
INFO/CS 1300
Fall 2016

Overall Goals:

To design a web page that is usable and readable for all screen sizes. By the end of this assignment, you should be comfortable with the fundamentals of responsive design, such as media queries, flexible image sizes, and changing properties of elements based on viewport size.

Tasks:

- Design a single page (named index.html) with:
    - Three breakpoints for width: full size (1200px), tablet (768px), and phone (480px).
    - Appropriate margins for text at all viewport sizes.
    - No horizontal scrolling for all viewport sizes.
    - Easily readable fonts for all viewport sizes.
- The page must contain:
    - A text or image banner that scales appropriately with the viewport size.
    - Body content that contains text and at least one image (the banner image doesn't count).
        - Original image file must have a width of 1000 px or greater.
            - *Protip:* openclipart.org is a great way to find images of all sizes related to your page's theme!
        - The image's style must use max-width and min-width.
        - The image must disappear for phone-sized viewports.

Helpful responsive design tools:
- Firesizer (Firefox): https://addons.mozilla.org/en-US/firefox/addon/firesizer/
- Firebreak (Firefox): https://addons.mozilla.org/en-US/firefox/addon/firebreak/
- Responsive Design Tester (Chrome): https://chrome.google.com/webstore/detail/responsive-web-design-tes/objclahbaimlfnbjdeobicmmlnbhamkg

Deliverables:

- Use FileZilla or a similar SFTP client to upload the files to the course server in a directory named "assignment05"
- All files included in the correct directories:

- - HTML5 file named "index.html" and uploaded to "assignment05" directory.
  - All CSS files within "css" subdirectory.
  - All image files within the "images" subdirectory.
- *Note:* Using git is not required (but highly recommended) for this assignment.

Due Date: Tuesday, October 4th at 5 p.m.

General Assignment Policies:

- You are free to go beyond assignment requirements, but make sure that your extra work does not interfere with those requirements. For example, adding an extra script that creates invalid HTML5 code will result in a lower grade.
- Late work will be penalized 10% per day, including holidays and weekends.
- Assume all assigned file and directory names should be used with the correct case. E.g., if the assigned file name is "index.html", "Index.html" is not acceptable.
- *All* media files must be credited in an HTML comment adjacent to the img or other media tag *every* time they are used. The credit must include a specific URL for the media file.
  - Failure to do this will result in the following penalties:
    - 25% deduction the first time.
    - 50% deduction the second time.
    - 100% deduction the third time, with possible referral for violation of Cornell's Code of Academic Integrity.
  - Note: this includes media generated by an API, e.g., an icon generated by the Facebook API.
  - Note: individual assignments may require additional credit for media files.
  - If you create a media file yourself, credit yourself by name, not by a general statement like, "I made this."
- If any of the assignment files, directory names, or variable names include one or more spaces, there will be a 5% deduction.
- The presence of unneeded files in an assignment directory that make it difficult to grade your work may result in a 5% penalty.
- You are free to find and adapt code from sources that *allow you to use the code*, but you must provide credit for the code, including a specific URL or citation for the source.
  - You may not use large blocks of unmodified code and receive full credit for the assignment. If you have any doubt about your use of borrowed code, you should consult with a TA or me.