Project #1 (HTML/CSS/jQuery Mobile)   CMSC389N Due Thu Jun 11 6:00 pm   Summer 2015

Objectives

- Practice HTML, CSS, JQuery Mobile and Drupal Gardens.

Overview

For this project you will implement HTML for a traditional and a mobile web page. The contents of the page is up to you. In addition, you will define a page using Drupal gardens.

For this project you need to use terpconnect to host your files. If you have not activated terpconnect yet, do so immediately (takes day(s) for the activation to take place) by visiting http://www.oit.umd.edu/new/.

Specifications/Grading

- (35 pts) HTML - The following elements must appear in a file named index.html file.
    - Your page must use h1 and h2 tags.
    - One table that uses rowspan and colspan.
    - One ordered list
    - One unordered list
    - One nested list
    - Any image that when clicked takes us to a web site.
    - Your page must use the header, nav, section and footer tags. An example can be found at HTML5Elements .
    - A least one paragraph.
    - Use character entity references to add a copyright symbol to your page.
- (30 pts) CSS - The following elements must appear in a file named mainstyle.css that is accessed by index.html.
    - Use a background color different than white.
    - Use round corners for one element of your page.
    - Define a shadow for one element of your page.
    - Define one class selector and use it in your page.
    - Define one id selector and use it in your page.
    - Use lower-latin for elements in one of your lists.
    - Use squares for elements in one of your lists.
    - When we hover a paragraph the color must change (any color change).
    - Set the pseudoclases a:link, a:visited, a:hover, a:active (any colors are fine).
- (15 pts) Implement a mobile page version of your index.html file using jQuery Mobile.

Ignore the CSS requirement specified above for this page.
- (5 pts) HTML code (index.html page only) validates.
- (5 pts) Page is accessible via Terpconnect.
- (10 pts) Create a web page (with any contents, not necessarily the contents of index.html) using [Drupal Gardens](). Add a link in the index.html file to this page.

Requirements

- Create a zip file with all the files associated with your project and upload that file to the submit server.
- Create a folder named 389n in the home directory of your public terpconnect space. In that folder, place all the files associated with your project. The link we will use to grade your project will be:

  http://www.terpconnect.umd.edu/~YOURDIRECTORYID/389n

  For example, assuming your directory id is nelsonp, the page we will grade will be:

  [http://www.terpconnect.umd.edu/~nelsonp/389n]()

  Notice that index.html is recognized as the main page in terpconnect.

  Use [https://dav.terpconnect.umd.edu/]() to access files in terpconnect. Log on using your UMD directory Id/password and select "Wed Sites" at the top left of the page. You should see an entry with your directory id followed by the word "Public".

- Your index.html file must be implemented using HTML5 and must validate according to the [http://validator.w3.org/#validate-by-upload]() validator.
- You don't need to validate your CSS.
- You may not use any authoring tool (e.g., dreamweaver, etc.) that generates the HTML/CSS/JavaScript code for you.
- You must implement this project by yourself.
- Make sure you view your code using Chrome (that is the environment we will use to grade your project).
- Name your files index.html, index.css, and mobile.html. You index.html file must have a link to the mobile.html file. Label the link "My Mobile Page" so it is easy for us to locate. Feel free to create any additional files.
- You must use the jQuery Mobile library [http://jquerymobile.com/]() for the mobile page.
- Feel free to use the Nelson's page in order to see how to create shadows, round corners, and how to use jQuery mobile.
- Feel free to add any other HTML/CSS/jQuery Mobile constructs you want. The more practice, the better. If you would like to show your page in class, let us know :).
- You don't need a mobile device to verify your mobile page; we will check your page using Chrome.

Submission

1. Create a zip file that includes all the files for your project.
2. Upload the zip file you created in the previous step using the submit server available at:

https://submit.cs.umd.edu/summer2015. Make sure you select the submit server entry (Project #1) that corresponds to this project.

Terpconnect Page Verification

Make sure that we can access your terpconnect by running the script TerpConnectPageVerification.html.

Academic Integrity

Please make sure you read the academic integrity section of the syllabus so you understand what is permissible in our programming projects. We want to remind you that we check your project against other students' projects and any case of academic dishonesty will be referred to the University's Office of Student Conduct.