**Web Development Assignment 3 –Setup your webserver & Media Queries – 10%**

Before submitting your assignment, make sure you read the submission requirements EXACTLY. Not following these will result in a grade of zero.

You will be deploying your website on the dev fast server. If you have not already set this up, please follow the SettingUpClassEnvironment.docx file in module 4.

**Inside your cpanel file manager, please make the following structure exactly.**

***Please be advised that the folders and filenames are case sensitive:***

Folders are red, files are in blue.

|  |  |  |
| --- | --- | --- |
| **Path** | **Folder/File description** | **Password protected?** |
| public\_html\index.html | - Your personal home page.  - Put your name on this page  - Put a link to the main assignments page here.  - Anything else you would like to share with the world. | No – Anyone should be able to see this. |
| public\_html\Assignments\index.html | Your main assignments page. This will have a link to all four of your assignments. | Yes. |
| public\_html\Assignments\Assignment1\ | Upload your Assignment 1 files into this directory. | Yes. |
| public\_html\Assignments\Assignment2\ | Upload your Assignment 2 files into this directory | Yes. |
| public\_html\Assignments\Assignment3\ | Upload your Assignment 3 files into this directory – details below. | Yes. |
| public\_html\Assignments\Assignment4\ | Future use for Assignment 4. | Yes. |

**Remember!**

* When you upload your files, make sure that you include your css, html, image files, and anything else you used to the correct directory.
* Use relative pathnames. (meaning: When displaying an image, for example, make sure it’s pointing to the files & folder systems, relative to the directory of your current html file on your webserver.
* You only need to put a password on the Assignments folder. Everything inside of it (all of your assignments) will be protected by this single password.
  + Create TWO users for this folder – one for you and one for me.
* Your public\_html folder should not be password protected. This will allow anyone can see your personal home page.
* Anything NOT inside your public\_html folder will not be viewable on a web browser.
* Please use this EXACT folder structure! If there is an error somewhere, this will help me locate anything missing. *If I can’t find it, I can’t grade it! This will count as not submitted.*
* Your File names must not have spaces in them.
* If you write a URL ending in a folder name (and not a file), your web browser will try looking for a file called index.html. If it exists, it will display it! If this file does not exist, it will show your file directory – this may be unwanted, or bad for security!
* Start your assignment early! Remember to take advantage of the tutoring center if you have trouble understanding things!
  + <https://www.sheridancollege.ca/life-at-sheridan/student-services/tutoring>

**Media Queries Exercise:**

In your assignment 3 directory, you are to create a single html file with different content than your last two assignments. You will be creating a shopping or news webpage (your choice of the two) that is nicely viewable in 3 different resolutions, in the same html file, using media queries.

* Your webpage should have 8 different containers/boxes with content.
* Their contents should relate to your shopping webpage.
* No filler content! E.g., “Product info goes here”. Take two minutes to think of something, or borrow product descriptions from online, for example.  **Place some effort into the appearance.**
* The layout of the html file should look different in the following 3 resolutions:
  + width of under 600 pixels
  + width of 600-999 pixels
  + width of 1000 and higher pixels
* The box container layouts should look different in every resolution. E.g., take a look at the CSS exercise from module 3 for an example of this. You can choose your own layouts.

**Remember Richard’s top web design tips!**

* All of your text should be inside block level tags .e.g., <p>, <h1>, <h2>, etc.
* All of your content (pictures, text, videos, etc.) should be inside containers.
* Put as much styling as possible inside of your external CSS file.
* All positioning info should also be in the CSS. Define container width in percentages so that it will scale according to the resolution.
  + Mixing px or em container widths with percentage widths can cause different resolutions to display funny. E.g., If we have two boxes:
    - Container A: width: 200px
    - Container B: width: 80%
      * If I have a resolution of 1000px, this can fit in one row.
      * If I have a resolution of 800px, this cannot fit in one row.
* Practice “Mobile first”! Most people have an easier time if they create the smallest resolution first, then the larger resolutions afterwards.
* You can change any attribute’s value through the CSS. On higher resolutions, redefine whatever attribute you want to change with a new value.
* As with all programming, write a small piece of code, then see if it works! If you write an entire webpage without checking it, it will be a LOT harder to find and fix errors!
* If you cannot find an error, temporarily remove the code, then add in one line (or attribute:value) at a time to see where the problem is. This is one of the best way to look for errors in any language.
* Try to use appropriately sized images. Shrink them in photo editing software first or find a different picture.
  + Some pictures stretch well, while others do not.

**Grading**

* Correct Directory structure? **1 mark**
* Uploaded previous assignments to correct directories and working? **1 mark**
* Assignment3 html works in 3 resolutions with media queries, with different structures? **6 marks**
* Overall polished appearance – **2 marks**
  + *Try different colours, borders, images, and different box alignments. It doesn’t have to be a masterful artwork, but I should see some effort and eye to detail.*
  + *Take a look at the ‘Handy Tools’ section in slate for some nice tricks!*
  + *Take a look at the CSS w3schools section for some nice tricks!*
  + *This assignment is somewhat open ended, with fewer specific requirements. If I think you’re being lazy, you will not receive these marks two marks.*
* Use your validators! You wouldn’t submit a java program with a syntax error, would you?
* **Remember**: You can shrink and grow your screen resolution by zooming in and out, or shrinking/growing the size of your browser window. Test it out!

**Submission**

All of your formatting and styling should go inside an external CSS file. Once done, include all of your files from the Assignments\Assignment3\ folder into a zip file called **YourLastName-Assignment3.zip**, and submit them to the Assignment 3 drop box on slate. I don’t need your assignments 1 and 2 again – I just want to see if they’re working online.

* In the slate submission folder, there is a spot to write comments to your professor. Include a username and password for viewing it online here. If there is no login info here, I will count this as not submitted. Only you can control this username/password. If you forget it, create a new username/password in cpanel.
* Test the username & password before submitting it to me! If it does not work, this will count as not submitted. No exception.
* Include a URL to your homepage in the comment box.
  + E.g., http://username.dev.fast.sheridanc.on.ca/
* If the Assignments directory is not password protected, this will count as not submitted. Don’t let other people take your work!

Your assignment should be viewable online with a password. After submitting, DO NOT change anything inside of your assignment online until your grade is received. If there are any differences between your files submitted on slate and your files online, I will give a heavy penalty.