

Assignment 2

Due: March 14, 2014 (Sunday) 23:59

In assignment#2, you will have the opportunity to demonstrate your knowledge of HTML5 and CSS3 features, as well as your creativity to design and develop a website. It is an opportunity to advertise / promote yourself as a web developer / designer.

❖ Objective:

Your ability to create a web site with a professional appearance is a very valuable and highly desired skill in the business world. Web pages are one of the most important ways to convey information in the business world. The degree of professionalism and informational content of a web site has a great impact on visitors to a particular web site.

Learning objectives:

- to create a web site with a professional appearance,
- to use effective design in creating web pages,
- to gain experience in using correct HTML5 features,
- to demonstrate your knowledge of CSS3 features,
- to inspire your passion in web development,
- to follow instructions and pay close attention to the details.

❖ Requirements:

1. Topic

You are allowed to freely choose your own topic that you feel comfortable. For example, you may choose to develop your own personal website, an online store, bookstore, service center, consulting company, and so on. If you need the interactivity from user, you may want to leave it to implement later. Interactivity is not required for Assignment 2.

2. HTML5

You are required to use HTML5, rather than any earlier version of HTML. You need to practice some of the HTML5 features. You can have your own way to include the features to your website. You must implement the following features:

- Text
- Hyperlinks (navigation)
- Table
- List
- Image
- Video and/or audio

3. CSS3

You are required to use external CSS files for styling. However, you are allowed to properly use internal (page level) and inline (tag level) CSS. The CSS3 features you need to apply in your web development include the following:

- Background
- Box model (margin, padding, border)
- Text
- Alignment (align text/ block to center/ left/ right)
- Position
- And more as you need/ wish

4. Website structure and web pages

You are recommended to take the hierarchical structure for your website, which may have a look like Figure 4.1:

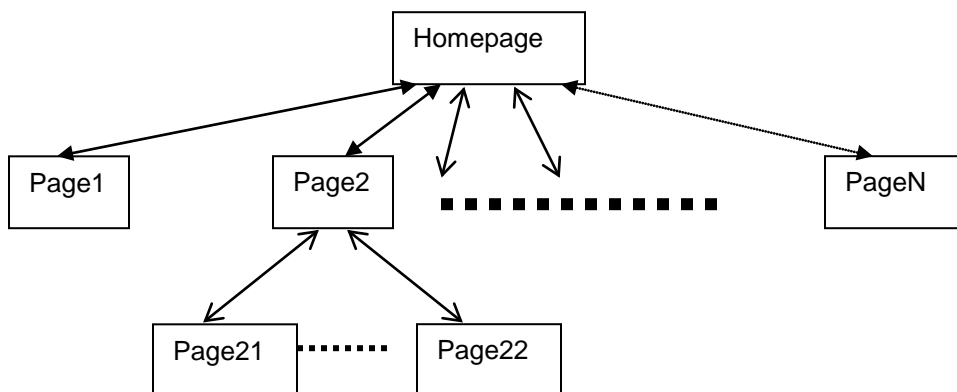


Figure 4.1: Hierarchical Website Structure

You need to create a homepage with the file name “index.html” directly located under your public_html directory, which acts as the starting page of your website.

On your homepage, you need to design and implement a menu that hyperlinks to other pages. The required pages are as follow:

You can freely create AT LEAST 3 additional pages (beside the homepage) that are reachable from your homepage (via menu item links or other links). You are encouraged to have more pages to have your site complete and thrilling.

Meanwhile, you are required to include the following pages that are hyperlinked from the homepage:

- “About Me”, the introduction to yourself ([introduction.html](#), which is implemented in lab2).
- The "Frequently Asked Questions" page ([faq.html](#)) should provide
 - 5 frequently asked questions that you think most visitors would want answers to your website. Use ordered or unordered list. You can put styling on your list using CSS3.
- The "Contact" page ([contact.html](#)) should provide
 - Your full name
 - Mailing address and phone number (Use Seneca College main address & phone number or fake info)
 - a link to your email address
- The "Honesty" page ([honesty.html](#))

The following text must be included in honesty.html

- make sure to include your full name and date.

I declare that the attached assignment is wholly my own work in accordance with Seneca Academic Policy. No part of this assignment has been copied manually or electronically from any other source (including web sites) except for the information supplied by the BTI220 instructor and / or made available in this assignment for my use.

I also declare that no part of this assignment has been distributed to other students.

*Signed:*_____

*Dated:*_____

In summary, the pages you need to create are: homepage, at least 3 site-related pages (you decide), and 4 required pages ([introduction.html](#), [faq.html](#), [contact.html](#), [honesty.html](#)).

Note: You CAN use or modify your current work from lab3, 4, 5. Meanwhile, make sure you will make your work as a complete professional website as the result meeting the requirements of assignment 2.

5. Directory structure

Your work is under the zenit account. You should organize your files as described in Figure 5.1. If your “introduction.html” file is not placed as follows in the directory of “labs”, you need to do so and make sure your original link to this page still works.

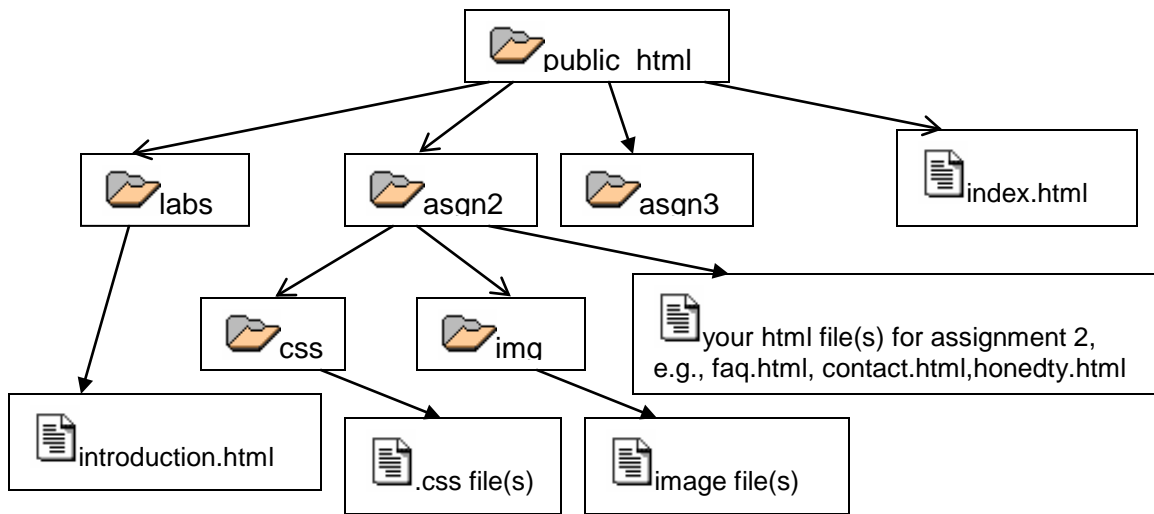


Figure 5.1: Your Website Directory Structure

6. Code

- Your code will be evaluated for correctness of syntax and appropriate usage. Validate your code:
 - Validate your HTML code: <http://validator.w3.org/>
 - Validate your CSS code: <http://jigsaw.w3.org/css-validator/>
 Instruction to how to use the validator is available in lab3.
- Follow the directory structure in Figure 5.1. Use relative urls for navigation in site.
- The use of comments and indentation will contribute to a better mark.
- Use text editors only to write the HTML5 and CSS3 code. Use of publishing tools/WYSIWYG editors will result in a failing grade.
- You should be able to explain every tag/ CSS rule used in the solution to this assignment.
- All tags/attributes must be in lower case.
- Use a meaningful title in the title tag on all the pages.

7. Every page

On every .html page, in “body” part (between tag <body> </body>), either in the beginning of the “body” or the end of the “body”, include the following code:

```

<script>
    dt=new Date(document.lastModified);
    document.write("<mark> This page was last modified on " +
                    dt.toLocaleString() + "</mark>")
</script>

```

Which will generate the result on your page of:

This page was last modified on ...

Failure to include this code will result in late submission penalty.

8. Creativity / Graphics

- All images should be stored in a sub-directory named public_html/assign2/img, as illustrated in Figure 5.1.
- Relative reference to images must be used.
- All images must be in a format supported by all of the major browsers on all platforms: JPEG (JPG), GIF, or PNG. Do not use a platform-specific format such as XBM, BMP, PCX, or PIC.
- When using images, always include the "alt" attribute. While the use of the "height", "width" and "title" attributes is optional, it is recommend to include them.

❖ Evaluation

The evaluation for this assignment will be based on adherence to all of the requirements outlined above including:

- adherence to the coding standards
- quality of the HTML technical features/usage (syntax, readability, documentation and indentation)
- the content
- the effort
- the overall appearance, organization and presentation.

❖ Submission

Leave your work on zenit account after completion, the instructor will check your work after due date. No explicit submission, such as email and printout. Work on zenit and leave your work untouched after completion/ submission. You need to realize that every modification to the page (while “saving”) is changing the date stamp of your work.

Late submissions will be penalized a 10% for each day to a maximum of 5 days. Submission after 5 days will receive the maximum of 50% of the assignment. You have to successfully complete all assignments to get a credit for this course.