

**Released on:** Saturday, June 20, 2015

**Due on:** Saturday, July 11, 2015 23:59

**Value:** 7% of final mark

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, font
- Table
- List
- 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:

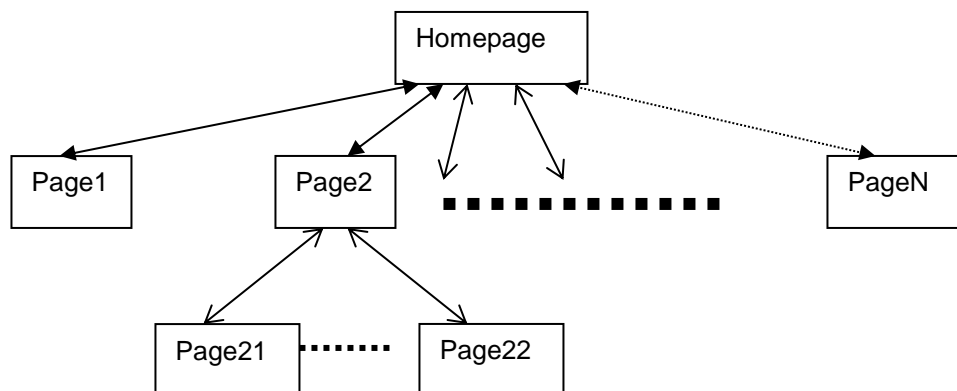


Figure 4.1: Hierarchical Website Structure

You need to create a homepage with the file name “**index.html**” directly located under your **public\_html/assign2/** directory, which acts as the starting page of your assignment 2 website. Test it yourself with the url:

[https://zenit.senecac.on.ca/~bti220\\_152a45/assign2/](https://zenit.senecac.on.ca/~bti220_152a45/assign2/)

(Note: replace bti220\_152a45 with your zenit account)

You need to design and implement template web page with the HTML5 structure and a menu that hyperlinks to your homepage and other internal pages. This web page will be applied/duplicated to all pages of your website with the menu for navigation. Therefore the menu, footer, and more on each page must be identical.

You can freely create AT LEAST 3 additional pages (beside the homepage) for the topic that your website is implemented for. These pages should be reachable from you're the menu on any page. You are encouraged to have more pages to make your site complete and thrilling.

Make sure your site has at least one 3-column layout page, one 2-column layout page, one 1-column layout page. For the menu used on each page, at least one 2-level menu/navigation is used.

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

- The Home page of your zenit account.
- The "FAQ (Frequently Asked Questions)" page ( `faq.html` ) should provide
  - 5 frequently asked questions and answers that you think the visitors may want to know about your website.
  - A list of hyperlinks that links to the internal targets or bookmarks where you demonstrate the usages of HTML Text, Hyperlinks (navigation), Table, List, Image, Video and/or audio (with CSS applied).
- The "Contact" page ( `contact.html` ) should provide
  - Your full name
  - Mailing address and phone number (Use Seneca College main address & phone number
  - 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 INT222 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, and 3 required pages (`faq.html`, `contact.html`, `honesty.html`).

## 5. Directory structure

Your work is under the zenit account. You should organize your files as described in Figure 5.1. The css files go to the "css" subdirectory. Again, make sure all the links work!

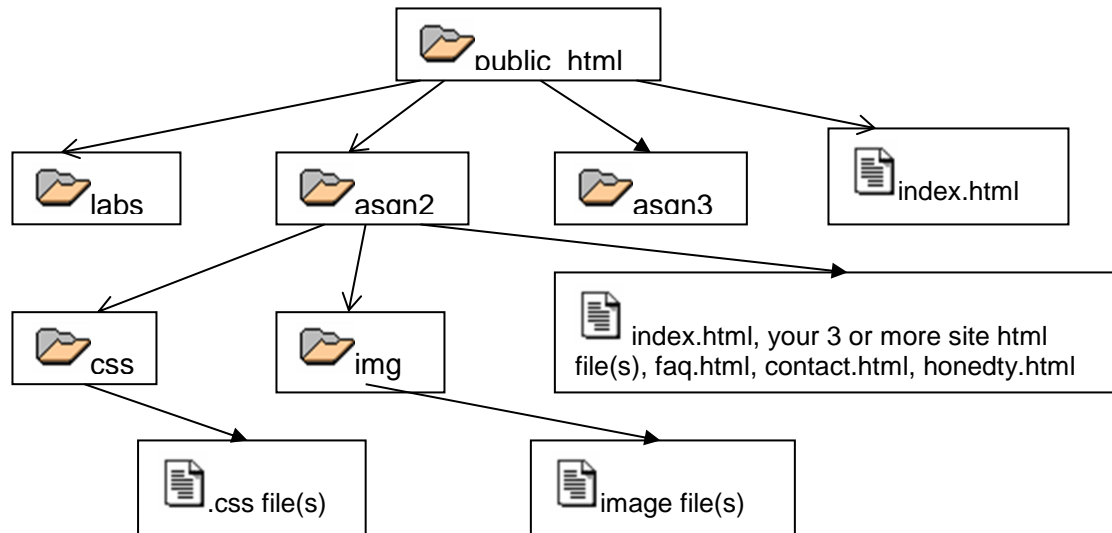


Figure 5.1: Your Website Directory Structure

## 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/>
- 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 used in the solution to this assignment.
- Limit the usage of the <div> tag. Use HTML5 semantic tags (such as figure, figcaption, nav, section, article, main, aside, header, footer) instead of the <div> tag if possible.
- All tags/attributes must be in lower case.
- Use a meaningful title in the title tag on all the pages.

## 7. Every page

On each HTML page, you are required to create footer and include the following code:

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

Which will generates the result on your page of:

This page was last updated on 9/27/2014, 7:27:04 AM

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 "title" attributes is optional, it is recommended to include them. If you want set the size of image inline, use style attribute instead of "height", "width" attributes.

## 9. It's your responsibility to make sure all your work is copyright free.

## 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.

Note: Any error for the HTML5 or CSS3 validation will result in incomplete for your assignment with the penalty of 30% off.

## SUBMISSION

Leave your work on zenit account after completion. The instructor will check your work after the due date. No explicit submission, such as email and printout.

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 the first day and a 5% for each day after that.