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Due Date: Sunday, Nov. 15th, 2015 23:59

Value: 7% of final mark

Important: It's your responsibility to make sure all your work is copyright free.

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

❖ **Objectives:**

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 CSS 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 audio

3. CSS

You are required to use external CSS files for your website styling. However, you are allowed to properly apply internal (page level) and inline (tag level) CSS. The CSS features you need to include in your web development include but are not limited to the following:

- Layout,
- navigation menus
- 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

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

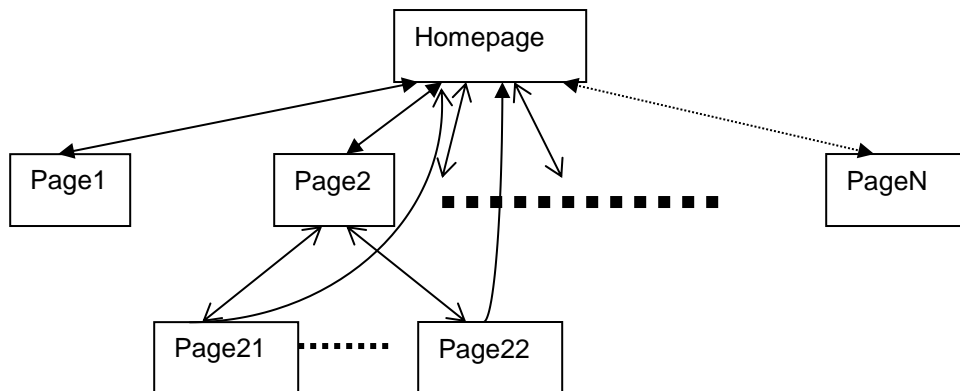


Figure 4.1: Hierarchical Website Structure

5. Requirements on Site Design/ Development

- 1) Your site needs to implement ALL of the following techniques properly.
 - a. 3-column layout page
 - b. 2-column layout page
 - c. 1-column layout page
 - d. 2-level menu/navigation (dropdown menu), either at the top or on left side of the page.
- 2) Navigation. Use **relative URLs** to navigate internal pages (i.e., the pages you create for your website).

- 3) Pages to design and develop (**file structure in section 6**):
- "Homepage" (index.html), place it under the directory **public_html/assign2/**. Test it with a browser :

https://zenit.senecac.on.ca/~int222_153a01/assign2/

(Note: replace **a01** with your zenit account)

- "FAQ" (Frequently Asked Questions) page (faq.html), provides five (5) frequently asked questions with answers that you think the visitors may want to know about your website.
- "Contact" page (contact.html), provides
 - Your full name
 - Mailing address and phone number (Use Seneca College main address & phone number, or fake contact.
 - a link to your email address
- "Honesty" page (honesty.html), must include the following statement:

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 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: _____ (put your name)

Dated: _____ (put the date)

- Create a navigation link (relative URL) from a proper page (e.g., index.html) to your lab3/lab4 work (i.e., me.html).
- Additional AT LEAST Three (3) additional meaningful pages for your site with the consideration of the requirements above in section 5.1)
- Create subdirectories css, media under the directory "public_html/assign2/" for external CSS files and images/audio/video respectively.
- Refer to Section 6 for directory structure of your website.

In summary, assignment 2 includes:

- public_html/assign2/index.html,
- 3 required pages (faq.html, contact.html, honesty.html) under the directory public_html/assign2,
- navigation links to the home page of your zenit account, the home page of your lab3, and your lab4 page,
- at least 3 site-related pages (you decide), under the directory public_html/assign2/,
- any supportive images/audio/video files, under the directory public_html/assign2/media/,
- proper external CSS files, under the directory public_html/assign2/css.

6. Directory structure

Your work is under the zenit account. You should organize your files as described in Figure 6.1. Again, test your site and make sure all the links work!

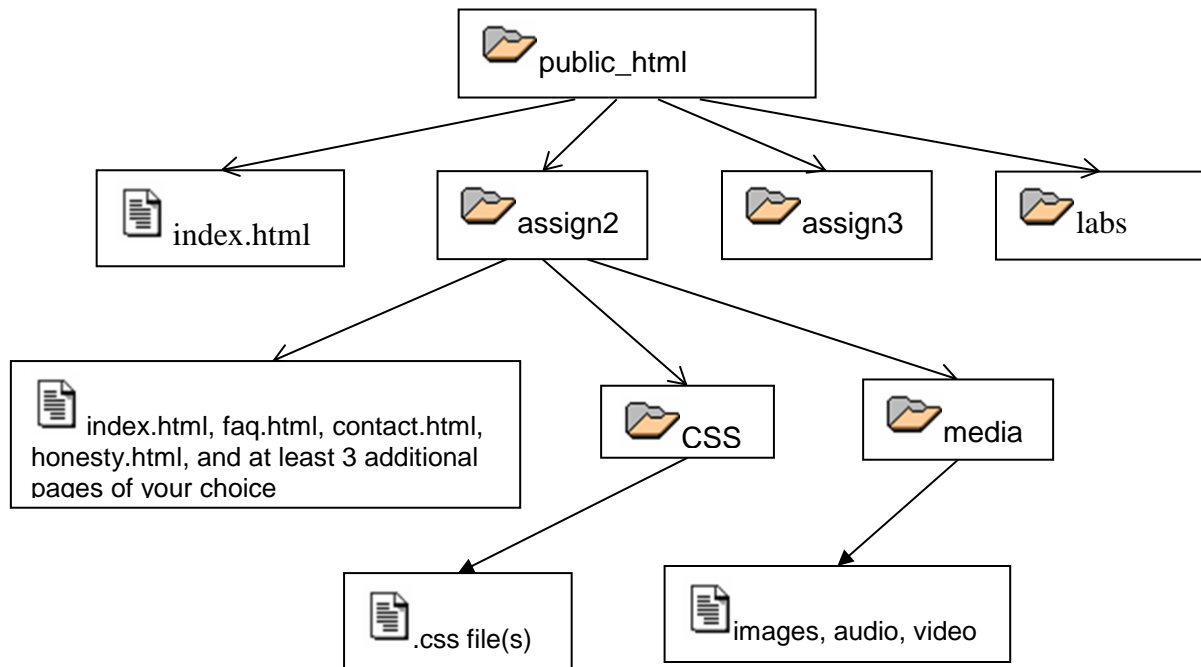


Figure 6.1: Website Directory Structure

7. 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/>
 - Any error for the HTML5 or CSS3 validation will result in incomplete for your assignment.
- Follow the directory structure in Figure 6.1.
- 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.
- All tags/attributes must be in lower case.
- Use a meaningful title in the title tag on all the pages.

8. Every page

On each HTML page, you are required to create footer and:

include the following code:

```
<script>
    var 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 modified on 10/1/2015, 11:58:11 PM

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

9. Creativity / Graphics

- All image, audio, and/or video files should be stored in the sub-directory `public_html/assign2/media`, as illustrated in Figure 6.1.
- Relative references to media files must be used.
- All images must be in a format supported by all of the major browsers on all platforms. For example, you can use JPEG (JPG), GIF, or PNG for images, mp3, ogg for audio, mp4, ogg for video.
- When using images, always include the "alt" attribute. While the use of the "title" attributes is optional, it is recommended to include them.
- For audio and video files, you are recommended to provide multiple file formats to better accommodate the variety of browsers.

10. Evaluation

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

- 1) quality of the HTML technical features/usage (syntax, readability, documentation and indentation). All links function properly as instructed.
- 2) Implemented the above requirements in sections 2, 3, 5, 8.
- 3) follow the file structure described above in section 6
- 4) the effort, e.g., the amount of meaningful content, the design, etc.
- 5) the overall appearance, organization and presentation.

11. 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% each school day, up to a maximum of 5 school days. After that, the best mark you may have will be 50% of the assignment value.

Note: you need to successfully complete all assignments to get the course credit.