Assign #1

Due: Oct 28, 2012, Sunday, Midnight

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 and maintain a web site with a professional appearance,
- to use effective design in creating web pages,
- to gain experience in using correct HTML,
- to demonstrate your HTML knowledge in the usage of tables, lists and text
- to implement cross browser CSS features,
- to follow instructions and pay close attention to the details.

Requirements

- The assignment consists of the following seven (7) web pages:
  1) "Home" of Assignment #1 (index.html),
  2) "Table Examples" page (tables.html),
  3) ""List Examples" page (lists.html),
  4) "Text Examples" page (text.html),
  5) "Contact" page (contact.html),
  6) "Honesty" page (honesty.html),
  7) index.html page under the directory CSS.

  The detailed instruction for each page is available below.

- All pages must fit in a 1024 width resolution - No horizontal scrolling.
- The height depends on the content included on the page.
- You should only use CSS code and HTML code for completing this assignment.
- On ALL pages, include the following JavaScript code to show the information "This page was last updated on ...".

```
<script type="text/javascript">
//<![CDATA[
  var dt=new Date(document.lastModified);
      // Get document last modified date
  document.write('This page was last updated on '+dt.toLocaleString())
//]]>
</script>
```

- All CSS used in the assignment must be "External CSS" and must be included in a file named "mycss.css".
- CSS used in the assignment must pass the W3C CSS validation and as a minimum must render the same results in Firefox, Chrome and I/E.

- All HTML pages must pass the W3C HTML5 validation - Passed and one warning for using "experimental feature: HTML5 Conformance Checker" is OK.
- Only when you complete your assignment, activate the link on your homepage (index.html under the directory public_html). Example activation on index.html:

    Assignment #1

The following guidelines must be adhered to:

1. All files related to assignment #1 must be in assign1 directory
2. Create the directory css under assign1 directory. Place all .css files for assignment #1 in this directory

Instruction to each page

- **For the "Home" page (index.html) include**
    1. A menu to hyperlink to all your pages for assignment #1
    2. A greeting to the visitor
    3. A brief description of the purpose of the web site/ assignment
    4. Something creative you can have, which is appropriate to this site.

- **For the "Table Examples" page (tables.html)**
    1. Include a brief description to the tables as they relate to HTML.
    2. Include a list of the basic html tags that can be included between the <table> and the </table>.
    3. Write a brief & concise narrative explaining the CSS features used in the example.
    4. Provide a link to the top of the page after each example
    5. Table Examples
    Example #1 - Table characteristics
        - Table width is 400 pixels with a 4 pixel border - centered
        - 4 rows x 3 columns
        - The first row is headings for the columns
        - Each cell has a border of 2 pixels
        - The text used for the different column headings should reflect the content of the cells below it

    Example #2 - Table characteristics

        - Table Example 2 has the same characteristics as in table example 1 with the following additions
            - The spacing between all cells to be set to 20 pixels
            - Include a meaningful caption for the table
            - The caption is to have a border around it - consider using the span
            - Include a background color for the column headings

    Example #3 - Table characteristics

        - Table width is 600 pixels with a 4 pixel border - centered
        - 6 rows x 3 columns
        - Each cell has a border of 2 pixels

- The height for the cells is 60 pixels
- Show the caption at the bottom of the table
- The first row is a heading for all three columns - "Alignment Example" - use colspan
- Row 2 to row 6 to show the text aligned as follows
  - For row 2 - cell 1 - align the text vertically to the top
  - For row 2 - cell 2 - align the text vertically in the middle
  - For row 2 - cell 3 - align the text vertically to the bottom
  - For row 3 - cell 1 - align the text horizontally to the left
  - For row 3 - cell 2 - align the text horizontally in the center
  - For row 3 - cell 3 - align the text horizontally to the right
  - For row 4 - cell 1 - align the text vertically to the top / horizontally to the left
  - For row 4 - cell 2 - align the text vertically to the top / horizontally in the center
  - For row 4 - cell 3 - align the text vertically to the top / horizontally to the right
  - For row 5 - cell 1 - align the text vertically in the middle / horizontally to the left
  - For row 5 - cell 2 - align the text vertically in the middle / horizontally in the center
  - For row 5 - cell 3 - align the text vertically in the middle / horizontally to the right
  - For row 6 - cell 1 - align the text vertically to the bottom / horizontally to the left
  - For row 6 - cell 2 - align the text vertically to the bottom / horizontally in the middle center
  - For row 6 - cell 3 - align the text vertically to the bottom / horizontally to the right

Example #4 - Table characteristics

- Table width is 600 pixels with a 4 pixel border - centered
- 2 rows x 3 columns - 2 rows x 2 columns
- Each cell has a border of 2 pixels
- The height for the cells is 60 pixels
- Cell 1 in Row 1 spans over 2 rows - use rowspan - with "INT222" as a heading
  Cell 2 in Row 1 spans over 2 columns - use colspan has "Marks" as a heading
- Cell 2 in Row 2 spans over 2 columns - use colspan has a nested table
  The nested table has the following characteristics
  - width is 100%
  - 2 rows x 2 columns
  - row 1 - cell 1 - text is Test #1
  - row 1 - cell 2 - text is Test #2
  - row 2 - cell 1 - text - What you hope to get on Test #1
  - row 2 - cell 2 - text - What you hope to get on Test #2
  - for this table example, use your judgement for alignment and border

- **For the "List Examples" page (lists.html)**
  1. In plain English and in your own words, write a general narrative for lists as they relate to HTML.
     Also include a list of the basic html tags that can be used with unordered, ordered and definition lists.

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2. In the aside section to the right of each example, in plain English and in your own words, write a brief & concise narrative explaining the CSS features used in the example.
3. Provide a link to the top of the page after each example
4. List Examples
Example #1 - List characteristics
   - Example 1 must show an unordered list with a disc bullet style.
   - The list must have at least 5 entries.

5. Example #2 - List characteristics
   - Example 2 must show an ordered list with a decimal style.
   - The list must include at least 5 entries.

6. Example #3 - List characteristics
   - Example 3 must show a definition list.
   - The list must include 5 computer related terms along with their definition

Example #4 - List characteristics

   - Example 4 to show a nested list with three different styles.
   - For each style, show at least 3 entries

- **For the "Text Examples" page (text.html)**
   1. In plain English and in your own words, write a general narrative for text as text relates to HTML.
   2. Also include the basic html tags that can be used with text.
   3. Include a brief & concise narrative explaining the CSS features used in the example.
   4. Text Examples – include 5 text examples. The text content could be any of your favorite quote or article (1 paragraph) or your own writing.
   5. Apply different CSS styling properties on each of the 5 text examples.
   6. Provide a link to the top of the page after each example

- **For the "Contact" page (contact.html) include**
   o Your full name
   o Full Mailing address (Use Seneca College main address)
   o Phone number (Use Seneca College phone number)
   o A link to your learn email address

- **For the "Honesty" page (honesty.html)**
   o Include the following text and 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 instructors 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: _____

Failure to include the above will result in a late penalty.

- **Create an index.html page under the directory CSS**

  - Including the following code in the head part of a valid HTML5 document

    <meta http-equiv="refresh" content="5; url=../" />

  - The idea is that if a visitor tries to get a directory listing of the CSS directory by typing

    https://zenit.senecac.on.ca/~login/assign1/css

    they will be redirected to assignment #1 - index.html - start up page in 5 seconds.

  - Make sure to manually validate this index.html.

HTML Code Requirements

- Your code will be evaluated for correctness of syntax and appropriate usage
- All related files for assignment #1 must be stored under the directory public_html/assign1 in your zenit account
- The use of comments and indentation will contribute to a better mark
- You should be able to explain every tag used in the solution for this assignment
- The file names must be the same as the ones already created for your use
- All tags/attributes must be in lower case.
- Make sure to update the title on each of the pages - include your login
- Each page must be checked for valid HTML5 code using the W3C's HTML Validation service.

Creativity / Graphic Requirements

- Only web safe colors should be used in this assignment
- Colors must be referenced by either '#nnnnnn' format or rgb(nnn,nnn,nnn) format

Platform Requirements

- It is important to assume that many of your web page visitors may not have a 19 or 21 inch monitor. Your web page should accommodate or "target" visitors that have 17 inch monitors. In order to do this, while you are creating or editing your web page, you should set your screen resolution to 1024 x 768
- Your web pages must render correctly in Firefox and IE (and ideally in other browsers as well)

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 overall appearance, organization and presentation
- Late submissions will be penalized an initial 10% for each day thereafter to a maximum of 5 days. For more information, check the INT222 web site - Course Standards section.
- If your assignment is going to be late, do not activate a link for assignment 1 in your index.html until the assignment is ready to be marked
- If you modify index.html or any of the files in the assign1 directory after the due date/time, you will receive a late penalty for the assignment based on the date the files were last modified

References / Hints

- Validate your HTML code: http://validator.w3.org/

- Validate your CSS code: http://jigsaw.w3.org/css-validator/