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Due Date:	By **11:55 PM February 18th, 2018**.
Evaluation:	8% of final mark
Late Submission:	none accepted
Type:	Individual Assignment
Purpose:	The purpose of this assignment is to have you practice HTML5 tags document-level style sheets (in Head section).
CEAB Attributes:	This assignments is primarily evaluating your use of HTML5 tags and document-level style sheets. (Design, Use of engineering tools)

Question 1 – Lists (4 pts)

Using HTML5, produce the following nested lists exactly as illustrated in Figure 1 of this handout. It includes a header, ordered, unordered and definition nested lists, a link to the source of the information followed by your name and the text *Assignment #1/Question 1.* No CSS please. (**Question #4** *will have you practicing with CSS*). The information is taken from https://en.wikipedia.org/wiki/Provinces_and_territories_of_Canada

Question 2- Tables (4 pts)

Using HTML5, produce the table in Figure 2 of this handout of your 4 favorite Canadian provinces and the requested information. Include the border attribute in your <table> tag to make it easier to identify the cells even though it will not pass the HTML5 validator. No other CSS please. (**Question #4** will have you practicing with CSS).
Here are the specifications for the table:

1. 1st line: Include your name on the 1st line in a level 2 header.

2. 2nd line: level 3 header.

3. Row #1 of table: level 1 header.

4. Column #1 of table: contains an image of the Canadian flag.

5. Row #3, columns 3 to 6: images of the flags corresponding to the provinces you have picked.

6. Column #2, rows 2 to 5: contain table headers.

7. For the rest of the table, complete the remainder of the information for the provinces you will have picked. (This info is available at https://en.wikipedia.org/wiki/Provinces_and_territories_of_Canada)

Question 3 – Forms (4 pts)

Create a single page that demonstrates an HTML form used for a rental apartment search site. Keep to the format in Figure 3 of the handout. You are free to change the text and choices. No CSS please. (**Question #4** will have you practicing with CSS).

Your page must include:

- A title within an *h* tag which includes your name

- Two parts each within its own *fieldset* tag and each with its own *legend* tag: one to contain the renter's information and one for the renter to enter the type of apartment they are looking for.

- In the *Renter's Information* part:
  - a *numerical input fields* to input the number of people who will be living in the apartment.
  - *radio buttons* to indicate if there are smokers who will be living in the apartment.
  - *check boxes* to indicate what type of pets the renters have. Next to the *other* option, there must be a *text input field* for the user to enter the type of pet they have other than cat or dog.

- In the *What are you looking for?* part:
  - give the user at least 5 possible apartment sizes to pick from via *check boxes*
  - give the user at least 6 possible location choices to pick from via *check boxes*
  - a *drop-down list* for the user to select the price range they are looking for. Have at least 4 options with one being *No price limit.*
  - give the user at least 5 possible *It would be nice to have* options to pick from via *check boxes*.

- Include a *submit* button labelled *Search* and a *reset* button labelled *Start over*.

Note at this point the form will not do anything when submitted. (No presentation attributes please).

Question 4 – Presentation (3 pts)

Make a copy of your HTML page from **Question #3** and add the following presentation formatting. All formatting **must** be defined in the *__head__* section of your document.

1. An image of your choice to the right or left of the top header (When the user clicks on the image it should take them to the URL where the image is from). It might be easier to include this part in a table with 2 columns so that the image is next to the header.

2. The background of your page should be any color other than white.

3. Each *fieldset* border color should be different and not black or grey.

4. The *legend* of each *fieldset* should be the same color as the border of the *fieldset* it belongs to.

5. The background color of each *fieldset* should be different and other than white.

6. The *labels* in each fieldset should be a black version of the border and legend color as shown in Figure 4.

7. All prompt input field labels should be bolded (such as *Smoker? Any pets? Specify* …). Refer to Figure 4 at the end of this handout.
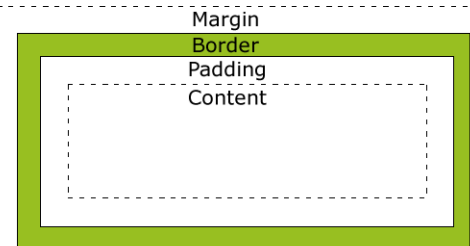
Question #5: – Formatting a list and table/External style sheet (5 pts)

Script the webpage in Figure 5 using an html file for the format and content and <mark>an external CSS file</mark> for the presentation. You choose the topic; here are a few ideas: cars, animals, sports, foods ….

Here are the specifications:

1. The **background** of your page has a repeated image of your choice.

2. The **header** must be formatted using the box model. The image to the right illustrates the CSS box model.

   To accomplish this use the <div> tag. You can use any color combinations for the border and the background. The color of your header must be the same color as the border of the box model. Set the margin of the box model to be the same as the margin of the table that follows (so they line up nicely). Set the border to be at least 10px and solid. Set the internal padding to be at least 10px. Set the width to a value of your choice other than 100%.

   Box model

3. The table must have 3 rows and 2 columns.

   a. Set the table margin the same as the header margin.
   b. Set the border of the table to be at least 15px, dotted and a different color from any other colors in the table.
   c. The 1st row is for headings. The background color must be different from any of the other cells in the table, and the text must be any color other than black. Add a padding of at least 10px for the heading cells.
   d. The cells in rows 2 and 3 must all have a different color background and a different colored border.
   e. The cells in the column 1 of row 2 and 3 each have an ordered list whose list style is upper roman. Notice that the numbering of the list items in the cell col 1/row 3 starts at 2 (and not 1).
   f. The cell in row 2/col 2 has an ordered list whose list type is uppercase letters directly as **<ol type = "A">**, without using the propriety list type (*upper-alpha*). The 1st nested unordered list has bullets that are a 25px x 25px image of your choice. The second nested unordered list's bullets are the default circle. The color of the text in the 2nd unordered list is the same as the border of that cell.
   g. The cell in row 3/col 2 has an ordered list whose list type is Armenian numbering. The 1st nested unordered list's bullets are square. The 2nd nested unordered list has bullets that are a 25px x 25px image of your choice, different from the image used in cell Row 2/col 2. The color of the text in the 1st unordered list is the same as the border of that cell.

4. All styles are to be entered in an external CSS.

5. Be sure to include your name in the page as well as the sources of your images with links to the pages at a location of your choice.

Submitting Assignment 1

- Zip the source code (HTML and CSS files) of this assignment.

- Naming convention for zip file: Create one zip file, containing all source code files for your assignment using the following naming convention:

  ➢ The assignment is done by 1 student:
  The zip file should be called *a#_studentID1*, where # is the number of the assignment *studentID* is your student ID number. For example, for the first assignment, student 123456 would submit a zip file named *a2_123456.zip*

- Submit your assignment into the folder "**programming_assignment-1**" using the EAS Submission System: **https://fis.encs.concordia.ca/eas/**.
- Assignments submitted to the wrong directory would be discarded and no replacement submission will be allowed.

- Submit only **ONE version** of an assignment. If more than one version is submitted the *last one will be graded* and all others will be disregarded.

- Be sure to keep your submission confirmation email.

Evaluation Criteria for Assignment 1 (20 points)

Question 1- 4 pts.	Pts
• Ordered list	1 pt
• Unordered /Nested unordered list	1 pt
• Definition list	1 pt
• Titles, name	0.5 pt
• Superscript (km^2)	0.5 pt
Question 2- 4 pts.	
• Headers(lines 1 & 2)	0.5 pt
• Row 1	0.5 pt
• Column 1	0.5 pt
• Column 2 (headers)	0.5 pt
• Row 3 images	1 pt
• Remainder of rows	1 pt
Question 3- 4 pts.	
• Title	0.5 pt
• *Renter's Information* Part	1 pt
• *What are you looking for?* part	1 pt
• Drop down list	0.5 pt
• Action buttons (Search/Start over)	1 pt
Question 4- 3 pts.	
• Image next to title with link	0.5 pt
• Page Background color	0.5 pt
• Label format	0.5 pt
• Fieldset colors/legend format	0.5 pt
• Input field labels bolded & color	0.5 pt
• CSS in <head>	0.5 pt
Question 5- 5 pts.	
• Page background & Header	0.5 pt
• Table properties	0.5 pt
• Row 1	1 pt
• Row 2	1 pt
• Row 3	1 pt
• All style are to be entered in an in-document external style sheet	0.5 pt
• Student name and the sources of your images with links to the pages	0.5 pt
TOTAL	**20 pts**

Sample output screens for Assignment #1

Some Canadian Provinces/Territories

1. Quebec (Province)
    - o Capital: Quebec City
    - o Population: 8,214,700
    - o Areas
        - ▪ Land: 1,356,128 km²
        - ▪ Water: 185,928 km²
2. Nunavut (Territory)
    - o Capital: Iqaluit
    - o Population: 31,906
    - o Areas
        - ▪ Land: 1,936,113 km²
        - ▪ Water: 157,077 km²
3. Some definitions:
    Province
        Provinces receive their power and authority from the Constitution Act, 1867 (formerly called the British North America Act, 1867). The powers flowing from the Constitution Act are divided between the federal government and the provincial governments to exercise exclusively. A change to the division of powers between the federal government and the provinces requires a constitutional amendment,
    Territory
        Territorial governments have powers delegated to them by the Parliament of Canada. Changes affecting the territories can be performed unilaterally by the Parliament of Canada or government

Information from Wikipedia

Prepared by Nancy Acemian - Assignment #1/Question 1

Figure 1. Nested lists to reproduce for Question #1

Prepared by your name

Assignment #1/Question 2

Some Canadian Provinces

Image:Canadian flag	PROVINCE	name1	name2	name3	name4
	FLAG	Image flag 1	Image flag 2	Image flag 3	Image flag 4
	Capital	capital 1	capital 2	capital 3	capital 4
	Postal Abbreviation	code 1	code 2	code 3	code 4
	Year Entered Confederation	year 1	year 2	year 3	year 4
	Information and images from name and link to webpage(s)				

Figure 2. Table to reproduce for Question #2

Mohamed's Apartment Search Form

Renter(s) Information

How many people will live in the apartment? [   ]

Smoker? ○ Yes ○ No Any pets?
☐ Cat(s)
☐ Dog(s)
☐ Other Specify: [   ]
☐ No Pets

What are you looking for?

Size of apartment:
☐ Studio ☐ 3½ ☐ 4½ ☐ 5½ ☐ More than 5½

Do you have preferred locations?
☐ West Island ☐ Downtown ☐ Lower Westmount ☐ NDG ☐ East end of Island ☐ Don't care

Price Range/month:
[<$500 ▼]

Would be nice to have
☐ Fire Place ☐ Laundromat in building ☐ Indoor Parking ☐ Output Parking ☐ Balcony

Let's see what we can find ...

[Search] [Start over]

Figure 3. Format of form to reproduce for Question #3

Figure 4. Format of page to reproduce for Question #4

Figure 5 - Template of page to script for question #5