
Due Date:	By 11:55pm Wednesday February 1, 2017
Evaluation:	6% 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. (Use of engineering tools)

Question 1 – Lists (4 pts)

Using HTML5, produce the following nested lists exactly as illustrated in figure 1 on page 4 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 at the end 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 (6 pts)

Create a single page that demonstrates an HTML form used for a rental apartment search site. Keep to the format in figure 3 at the end 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 (6 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 lighter version of the border and legend color.
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.

Submitting Assignment 1

- Before submitting your assignment please be sure to validate your codes using the HTML5 validator at <http://validator.w3.org/>. Any file that fails the validator check (except for the border attribute for question 2), will result in a -1 penalty.
- Please give meaningful names to each html file to make the feedback process easier.
- Naming convention for zip file: Create one zip file, containing all files for your assignment.
- The zip file should be called *a#_studentID*, where # is the number of the assignment and *studentID* is your student ID number. For example, for the first assignment, student 123456 would submit a zip file named *a1_123456.zip*.
- Refer to your section's course webpage for instructions on how to submit your assignment for your section.

- Assignment not submitted to the correct location or in the correct format will not be graded.
- Late assignments will not be graded.

Evaluation Criteria for Assignment 1 (20 points)

Question 1- 4 pts.	
<ul style="list-style-type: none"> • Ordered list • Unordered /Nested unordered list • Definition list • Titles, name • Superscript (km²) 	1 pt 1 pt 1 pt 0.5 pts 0.5 pts
Question 2- 4 pts.	
<ul style="list-style-type: none"> • Headers(lines 1 & 2) • Row 1 • Column 1 • Column 2 (headers) • Row 3 images • Remainder of rows 	0.5 pts 0.5 pts 0.5 pts 0.5 pts 1 pt 1 pt
Question 3- 6 pts.	
<ul style="list-style-type: none"> • Title • <i>Renter's Information</i> Part • <i>What are you looking for?</i> part • Drop down list • Action buttons (Search/Start over) 	0.5 pts 2 pts 2 pts 0.5 pts 1 pt
Question 4- 6 pts.	
<ul style="list-style-type: none"> • Image next to title with link • Page Background color • Label format • Fieldset colors/legend format • Input field labels bolded & color • CSS in <head> 	1 pt 0.5 pts 1 pt 1.5 pst 1 pt 1 pt
TOTAL	20 pts

Sample output screens for Assignment #1

Some Canadian Provinces/Territories

1. Quebec (Province)
 - Capital: Quebec City
 - Population: 8,214,700
 - Areas
 - Land: 1,356,128 km²
 - Water: 185,928 km²
2. Nunavut (Territory)
 - Capital: Iqaluit
 - Population: 31,906
 - 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

Nancy'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 ...

Figure 3 - Format of form to reproduce for question 3



Nancy'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:

Would be nice to have

☐ Fire place ☐ Laundromat in building ☐ Indoor Parking ☐ Output Parking ☐ Balcony

Let's see what we can find ...

Figure 4- Format of page to reproduce for question 4