

WEB222 - Assignment 5: Cascading Style Sheets - CSS

Due date

All Sections: Friday, December 22, 2017 - 23:59

Grade value: 5% of your final course grade

Objective

Practice Styling elements, page layout and image gallery with CSS.

Specifications

This assignment contains two parts - part A and part B. In part A you'll work on basic CSS coding tasks. In part B you'll play on page layout and basic tasks of image gallery and so on. Download and unzip the **assignment5-template.zip** file from Blackboard and there will be the folders **partA** and **partB** in the package. Complete the tasks in the following two parts.

Part A

In the folder **partA**, work on the **ontario.html** and/or **css/partA.css** files and create CSS rules base the following specifications. Either internal or external CSS can be used for creating these rules.

1. Create a CSS rule to set the page width to 80% and horizontally centered. Hint: you can use either *body* or *.main-container* as CSS selector, and set property margin with value auto.
2. For text of all **level-2 headings**, create a CSS rule to set text color to *dark blue* and background color to *#cccccc* (using tag selector).
3. For the **paragraph** with id="paragraph2", create a CSS rule to set font family to *"Comic Sans MS", "Comic Sans", "cursive"*, set font size to *20pt* (using ID selector).
4. For all **span** element with class="on", create a CSS rule to set text color to *#5cb85c*, font weight to *bold*, and text decoration to *underline* (using class selector).
5. For **table** within **div** element with id="section2", create a CSS rule to set background image to https://d2gg9evh47fn9z.cloudfront.net/800px_COLOURBOX23025384.jpg, repeat, and set text color to *#2f4f4f* (using ID and contextual selector).

6. For both **thead** and **tfoot**, create a CSS rule to set background color to *rgba(255, 255, 0, 0.6)*, which is a RGB color with opacity, and set font style to *italic* (using group selector).
7. Create a CSS rule to change the color of any **paragraph** in the document to blue color using hexadecimal value when the cursor hovers over the **paragraph**.
8. Create a CSS rule to set the list style type of all **unordered list** to *square*, and create another rule to set the list style type of all **order list** to *lower alpha*.
9. Add ©2017 and your full name into the **footer** and text align it to *center*.

The screenshot of completed part A: [ontario.html](#)

Part B

Go to the **partB** folder in the package, you will find an html file **canadianPT.html** and a folder **images** with a number of images inside. Based on what you have been provided, complete the 8 tasks below, and mimic the screenshots as more as you can. The screenshots for each task is as following:

The screenshot before start: [template-screenshot](#)

Task 1: Creating a CSS file for the page

- Embed the CSS file **css/partB.css** into the HTML file **canadianPT.html**. All your CSS rules should be in the **partB.css** file.
- Set page background using the provided image **images/canada_theme.jpg**, and make the background image to cover whole page.
- Center the heading text “*Canadian Provinces and Territories*”.
- After completing this task, the web page should be like: [task1-screenshot](#)

Task 2: Specify width for the page

- If the target screen resolution width is 1024, you may set the width of the web page to 960px, 900px, or other values. But here, we use a relative width setting.
- Center the page.
- After completing this task, the web page should be like: [task2-screenshot](#)
- Hint:

```
body {
    ...
    width: 85%;
    margin: 0 auto;
}
```

Task 3: Place navigation bar

In this step we will arrange for the navigation bar to be placed on the left part of the page, and under the header.

- Give the nav a width, and float it to the left.
- After completing this task, the web page should be like: [task3-screenshot](#)
- Hint:

```
nav {
    width: 250px;
    float: left;
}
```

Task 4: Clear space under navigation bar

- To stop wrapping under the navigation bar, give a width to main section, and float it to the left.
- Hint:

```
.main {
    width: 60%; /* width: 600px; */
    float: left;
}
```

- Make the footer underneath both the nav and main section blocks, and set the clear property of footer to both.
- After completing this task, the web page should be like: [task4-screenshot](#)
- Hint:

```
footer { clear: both; }
```

Task 5: Position the Canada flag and text

- Set the size of the Canada flag.
- Hint: use the combination of ID selector and contextual selector:

```
#CA img { width: 50px; }
```

- Set the font size of the Canada text.
- Position the flag and text to the top-right corner relative to the browser window (as showed in the screenshot).
- After completing this task, the web page should be like: [task5-screenshot](#)
- Hint: use fixed position.

Task 6: Create float-based grid

- Set the flag sizes of all provinces and territories – width: 100px;
- Display the information (flags and text) of provinces and territories in a grid with the size of 220px x 200px.
- After completing this task, the web page should be like: [task6-screenshot](#)
- Hint:

```
.province
{
    float: left;
```

```

        width: 220px;
        height: 200px;
    }

```

Task 7: Wrap the flags with Text

- Use the following code to make the text wrap the provincial flag images with text:

```
.province img { float: left; margin: 5px;}
```

- After completing this task, the web page should be like: [task7-screenshot](#)

Task 8: final work

- Remove the bullets (list style) for the list of provinces and territories in the **nav** block. Set font family and size with appropriate values.
- Decorate the text in the page with text-shadow so all text is easy to read.
- Wrap <div> of each province with border, and set margins, paddings and text color.
- In Firefox, type Ctrl+Shift+C to open the Inspector window – a tool for web developers. Check the HTML elements in the web page and CSS rules which apply to them.
- After completing this task, resize the window of your web page (don't change the code) to see the effect. (Float-based grid can make your page fit to different size screens, such mobile screen). The web page should be like: [task8-screenshot](#) and [resize-screenshot](#).

OTHER REQUIREMENTS

- Use CSS comments to label your CSS rules, e.g. /* Task 8 */
- The HTML page must pass [the W3C's HTML Validation](#).
- CSS used in the assignment must pass [the W3C CSS validation](#).
- Any error(s) for HTML and/or CSS validation will result in 25% penalty for the grade of your assignment.
- Enclose the following declaration with your name and date at the top of your **partA.css** and **partB.css** files:

```

/*****
I declare that my 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 WEB222 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.
Name:  (your name here)
Dated:
*****/

```

Assignment submission

- Compact your assignment 5 part A and B files including all directory structures into one zip file named **assignment5.zip** and submit this file to the Blackboard (My.Seneca).

Important note

- NO LATE SUBMISSIONS for assignments. Late Assignment submissions will not be accepted and will receive a grade of zero (0).
- After the end (23:59) of the due date, the assignment submission link on the Blackboard will no longer available.