CST8117 Lab 5: Applying Design Principles to Web Pages (HTML, CSS)

Note you will need to complete this lab by uploading a .zip file containing all the required files onto BrightSpace. The content of this lab's instructions will be included in the weekly quiz given the week after this lab is due. The due date for this lab is posted in the description on BrightSpace. Late labs are penalized -10% each day up to -50%, and after 2 weeks a lab is no longer eligible for points.

Read the entire lab instruction before starting.

This lab is to be completed on BrightSpace. You are required to make a total of three web pages for this lab. Each of those pages has a set of minimum requirements and must be HTML5 compliant. Please read the instructions for each web page. You will be graded for using appropriate (to the style) fonts and colors. Each page will have its own linked CSS file (or you may use embedded CSS but do not use inline CSS please). **If at any time you are unsure or are having problems, consult your lab instructor**.

Required Tools and Resources: Visual Studio Code, zip of collateral files.

Part I: Party Invitation

The Web Design students have decided, in a future when COVID-19 no longer prevents safe gatherings, to have a funky disco dance party. They want to create a web page to invite people to the gathering. Use an appropriate image (such as the animated gif of a disco ball provided in the collateral zip file) and lay out the following details:

Web Designer's Funky Disco Party
Algonquin College Gymnasium
1385 Woodroffe Ave.
Ottawa, Ontario
K2G 1V8
Saturday, Oct. 24th 8:00 p.m. - until we drop!

Part II: COVID-19 Safety Page

The faculty has asked you to create an informational webpage to convey best practices for keeping everyone on campus safe from COVID-19. They give you the following guidelines and ask that you create a professional page for the faculty website. Do no worry about headers and footers, you are simply focusing on the main section of the page. Include the expected standard HTML5 markup but do not include the faculty header or footer. You are free to use images and colours, please ensure that they are appropriate to and convey the sense of seriousness such a message deserves. Also use the Algonquin college website to get the standard green for their pages to make sure that your choices do not clash with the existing branded components of the web site.

These are the guidance items you need to include on your page:

- Wash your hands often
- Avoid touching your face
- Cough and sneeze into your elbow
- Maintain physical distancing while on campus
- Wear a non-medical mask when you are out on campus.
- Stay home and away from others if you feel unwell

The rest of the page is up to you. (If you would like a suggestion, one approach would be to find/make similar icon type images for each action and arrange the elements so that the action is paired with an icon under a title such as: Campus Safety Practices).

Part III: Research Article

The Canadian Theological Society has asked that you prepare a conference paper for their website. They do not want any images on the page, but they would like the footnotes to be linked as endnotes (all at the bottom of the document – I have included a copy of the paper with endnotes to make this process easier) so that clicking a citation mark in the text will send you to the appropriate footnote. They would like the title of the article as a heading and have it followed by the author and then the date, on separate lines. The article should have appropriate subheadings and font choices. The content of the article is unimportant I just needed an example and grabbed a random one I have presented at Congress in the past.

Part IV: Submitting Your Lab

When your code is complete, make sure you zip up all the files created or modified in this lab, including a copy of all your website's images (`lab5.zip`). Make sure when you zip up the files you add the images subdirectory so that when I extract your lab the image links are not broken. It is important that you zip up your files rather than uploading them individually because BrightSpace will modify any unzipped web code that you submit. You should have the following files in your zip file:

- **`invite.html`**
- **`invite.css`**
- **`safety.html`**
- **`safety.css`**
- **`paper.html`**
- **`paper.css`**
- **`/images folder with all the image files used in your web page`**

Upload the zip file to BrightSpace.

Marking Rubric (/13)

Task	Weight
All web pages are all properly formatted for HTML5	1
No inline CSS	1
Appropriate font stack choice(s) for dance invite	1
Appropriate colour palette matched to image on dance invite	2
Appropriate font stack choice(s) for safety practices	1
Appropriate colour palette matched to image	1
Appropriate imagery included in safety practices page	1
Appropriate font stack choice(s) for article	1
Endnotes hyperlinked to article	2