CPSC 2130

Lab 1

Create a simple multimedia website that describes a city of your choice using HTML and CSS. The website should include at least three pages like the following:

- Home Page (index.html)
- Recreation (recreation.html)
- News & Events (newsevents.html)

You can replace Recreation and News & Events with some other interesting pages or add more pages if you want. You can also use JavaScript, but this isn't required. The purpose of your website will be to communicate information through a combination of media.

Requirements

Create from scratch the HTML and CSS files and show your creativity, aesthetics and imagination. Begin by creating a wireframe diagram that indicates the structure of the web page. Use grammatically correct sentences that provide reasonable flow through each web page.

Include the following:

- Centered layout and consistent navigation [5 marks]
- Semantically correct code: choose appropriate HTML elements which convey the purpose of the content [5 marks]
- Graphic design: configure CSS properties (typography, color, background, text, padding, border, margin, box-shadow, opacity and repeating linear gradient) [5 marks]
- Other Media: At least one in each category - video, audio, CSS animation (keyframes or transition)
  - Use the internet to collect media, such as images, videos, animations, and sounds, that you can use to express the theme of your site. Use only media for which you have the rights and permission to use, such as media with **Creative Commons** license or **no known copyright (public domain)**. Appropriately credit the original creator of media that you use (your site should contain a small section where you have the attributions and links to the original sources). [15 marks]

Some sources of media, (You can also do your own research):
- Unsplash (images)
- Pexels (images and video)
- https://sound-effects.bbcrewind.co.uk/ (audio)

A few other notes:

- Validate your HTML code and make sure it's free from errors:
    o HTML Validator: https://validator.w3.org/
- Create an external or embedded CSS stylesheet for your styles and layout. Your CSS should validate according to the W3C standards. All style elements (such as colors, fonts, borders, etc.) should be implemented through CSS. Use this resource to validate your CSS code and make sure it's free from errors:
    o CSS Validator: https://jigsaw.w3.org/css-validator/#validate_by_input
- Make sure the website is attractive, easy to use, and accomplishes the intended tasks.
- Test the site in Chrome and Firefox to make sure it works the same way in both.

Submission

- Create a folder named lab1_firstname_lastname. It should contain the HTML, CSS, and all media assets for your site. All the media files must be placed in separate subfolders named appropriately as images, audio, video, etc. To keep the file size down and make it easy for the marker, delete any files that aren't being used in the final version of the website.
- Compress the folder into **zip** file (not some other kind of archive) and submit the zip file to D2L. Doing these steps in the specified order is important to make it easier for the marker.
- You may also want to write a short explanation of your site, including which media you used and how you used them, in the comments of your D2L submission. This will make it easier for the marker to evaluate what you've done.

Rubrics for Grading:

30 - Meeting all the requirements

5 - Coding Validation (both HTML and CSS).

5 - Visually appealing website that meets design and functionality goals. More challenging sites are more likely to receive full marks, although a simple but very well-implemented and designed site could also receive full marks.

* **Note**: Up to 2 points may be deducted for things like poorly-formatted code, improperly-named files, disorganized or unnecessary files, wrong archive type, missing attribution, etc.