CPRG 256

WINTER 2020

ASSIGNMENT 1

USING CSS AND HTML

This is an individual assignment submission. Due 18:00 Monday February 10, 2020

Part A:

Note: For this assignment chose only one of the topic folders that are listed on the Brightspace site for this course.

The topic folders are: ‘aerogel’, ‘canadian\_rockies’ and ‘chocolate’. Each folder contains a set of pictures and a text file with information about the topic. You need to complete the following:

The text file is the content for your website. Use a ‘multi-column layout’ that creates at least 2 columns for the page. Note, you can add some content e.g. subject headings at the start of a paragraph(s). You can also provide captions for any pictures that you use.

Use all of the pictures provided. They must be included as part of the content of the webpage (not one block of pictures). When you ‘hover’ over the picture, it should increase by 25% of its current size. A ‘transition/transform’ can be used to change the size over 2 seconds. Set the style attribute to ‘float’ to allow the content to ‘flow’ around any pictures.

Incorporate a background image to the page.

When using ‘h’ tags e.g. <h1> be set the font-weight to ‘bolder’ so it stands out.

The content should cover 80% of the page width.

Use a ‘Google Font’ or other custom font of your choice.

You have some ‘artistic license’ with this assignment. Where appropriate, use borders, margins, padding or any other attributes that enhance the appearance of the web page.

Part B:

Your task is to create an application form for ‘Western Cascade Finance’. Your form will contain the following information:

Input fields for the following:

* + Current Date
  + First and Last name
  + Street Address
  + Postal Code
  + Phone Number (Include Radio Button choice for business or personal)
  + Email

The application also requires the following information. The applicant will use Radio Buttons, Check Boxes or number input:

* Are they current clients (Yes or No) [Radio Button]
* Gender (Male or Female) [Radio Button]
* Age (Minimum is 18) [Number input]
* Own or Rent Home [Radio Button]
* Annual Gross Income (Minimum is 0) [Number input]

Check Boxes if they own any of the following

* Vehicle
* RRSP
* TFSA
* RRIF

Use the appropriate HTML 5 input types to control the input. Use the appropriate regular expressions (pattern) in these input fields

* First and Last name
* Postal Code
* Phone Number
* Email

The ‘submit’ button will ‘send’ the data to ‘applications@wcf.ab.ca’

Your page should have a ‘header’ that will include the name and a company logo. Incorporate a background image that has a ‘translucent’ quality.

Submission:

Create a directory on your computer: cprg256/assignment1. Place all of you files and folders into this directory, ‘zip’ up the contents and submit it to the Brightspace course site by the due date.

Grading:

Part A: 15 Marks

Part B: 15 Marks

Total: 30 Marks

For both Part A and Part B, the grade breakdown will be:

10 Marks: Functional Requirements: All elements have been incorporated

5 Marks: Appearance and good use of Interface Design.