DOUGLASCOLLEGE

COMMERCE AND BUSINESS ADMINISTRATION
CSIS 1280: MULTIMEDIA WEB DEVELOPMENT
Final Exam (December 10, 2020)
(35 % towards your Final Grade)

This exam has two parts.

Time Allowed: 2 hours 45 minutes   **Total Marks: 40 + 60 = 100**

Part A: 40 Marks

Code the home page (PartA.html) for the following website. Place all the CSS in a separate file **stylesPartA.css**

Two-column Page Layout
- Configure a centered two-column page layout with a box-shadow effect

The header element
- Configure a header with an img element. Use the image logo.png from the images folder.

The nav element
- Configure :visited and :hover pseudo classes on **nav a** element selector. The links should change color when mouse is hovered or visited
- Code a style rule to prevent the hyperlinks in the nav area from displaying the default underline
- The last nav link **Part B** when clicked should take you to the second part (PartB.html) of the exam

The article element (Column 1)
- Configure an h1 element with 2.5em font-size, 0.03 letter spacing and 1.2em line height
- Configure a p element with 1.4em line height and 15px bottom margin. The italicized text with p element has a different color.

The section element (Column 2)
- Configure an aside element that contains an h2 and p and have rounded corners with box-shadow effect
- Configure a 4px solid left border on all p elements in the aside element.

The footer element
- Configure declarations for 0.9em size centered text, linear gradient background
- Use entity character · for dot

General Guidelines

1. You can change the font type, and font color as long as there is a standard format (consistent scheme).
2. You can change the color scheme as long as there is a consistent theme.
3. You cannot change the textual information in the page. You must implement what is shown above.
4. The general design should be the same as the above page. Example: rounded links, linear gradient backgrounds, box-shadow effects, etc.
5. All CSS style rules must be placed in one external style sheet only.
6. You must validate your HTML and CSS files.

Rubrics for Grading:

- 35 - Meeting all the requirements
- 5 - Coding Validation (both HTML and CSS)

Note: Each non-meeting requirement will incur a loss of 1 mark.

Part B: 60 Marks (20 + 30 + 10)

Question 1. Write a script for a takeout pizza restaurant.   **Marks: 20 (10+ 10)**

- The delivery information contains the customer's last name and first name. Issue an alert if first or last name is empty and do not let the user continue until both the fields are populated.
- The radio buttons allow customers to select exactly one type of crust, such as Thin Crust, Deep Dish, etc.
- The check boxes are for extra toppings. Multiple toppings can be added to a pizza such as Pepperoni, Sausage, Extra Cheese, etc.

(a) Calculate the total price as crust price plus the price for the toppings. **Do not hard code the information**. Use the value attribute of the input field for getting the price and use text content inside the <label> tag for getting the selected option.

(b) After filling in the required information, the customer clicks on "**Place Order**" button. **Display the order details exactly as shown in the Exhibit. (Every selected option shown on a separate line)**

Question 2. Ammy's Seashore Supplies rents beach equipment such as kayaks, canoes, beach chairs, and umbrellas to tourists.

Marks: 30 (10 + 10 + 10)

(a) **Adding Items:** The tourist enters the name of the rental item in the textbox and clicks *Add Item Button*. The entered item should be added to the select box with id="selectedItems"
Hint: Use createElement("option") to create a new option element and then, append it to select box.
Note: If the item is blank or a duplicate, an alert should be generated and the tourist should enter a different item

(b) **Deleting Items:** The tourist can delete the item by selecting the item from select box and clicking *Delete Item Button*, The selected item should be deleted from select box.
Hint: Use select box's selectedIndex property to get the index of the selected item.
Note: If there are no items in the *select box*, and user clicks *Delete Item Button*, then, an alert should be generated with message "OOPS!!There are no items to delete"

(c) Tourist enters the number of minutes for rental in textbox with *id="minutes"*. Calculate the rental amount as $1 per minute. Then, multiply the amount by the total number of items in the select box to get the final rental amount. Example:

Minutes	Items in the Select Box	Total Rental Amount
50	2	$50 * 2 = $100
105	1	$105 * 1 = $105
80	4	$80 * 4 = $ 320
128	3	$128 * 3 = $384

- Display the final rental amount in the textbox with *id = "amount"*. The value should be displayed after Tourist enters the minutes in textbox with id="minutes" and clicks outside that textbox
Hint: Use *blur* event with *addEventListener()*.

Question 3. Write a script to create a slide show application.   **Marks: 10 (8 + 2)**

- The application has **Start Show** and **Stop Show** buttons that serve as controls to give the user the ability to start and stop the slideshow.
- In the div element with id "slides", you can see that five img elements provide the slides for the show, and each of these has an alt attribute that provides the caption that is to be shown above the slide.
- During the slide show, the caption (provided in the alt attribute) should also change with each changing image.
  Note: Don't use carousel widget

Submission:

- Your submission should be a **single zip file** named **Lastname_StudentID** that contains all the answer files.

Exhibit: