



DOUGLAS COLLEGE

COMMERCE AND BUSINESS ADMINISTRATION

CSIS 3380-002: ADVANCED WEB PROGRAMMING WITH JAVASCRIPT & AJAX

### Quiz 1 (September 28, 2021)

Total Duration: 90 minutes

Total marks: 100

**Hands-on Problems (40 + 40 + 20 = 100 marks).**

#### Instructions

- Please use the html file in the Quiz1 folder to answer the questions.
- After you download the folder, please rename it to include your name as: lastName\_studentID
- Write your name and ID in the <head> part of the html document (as html comment where specified)  
**Note: Points will be deducted if you do not include this identifying information as instructed above.**
- The html document is divided into questions - just follow along.
- **Submission:** Once you are done, upload your work to Blackboard under Quiz1.

**Question 1.** Write a script to animate the top-level heading <h1> with id="facts" by clicking on it. Increase the font size to 600% and opacity to 1 and move the left property 250 pixels to the right.

(10 Marks)

Next, Change the effects for the <h2> headings so that if the user clicks on an <h2> element,

- the div element below it is displayed
- the plus sign is changed to minus sign
- the text color of list items within the div element's <ul> child changes to red and the bold style applies to list items.
- ❖ If the user clicks on the <h2> heading again, the process is reversed.

(20 Marks)

- If the user clicks on the link, an image for the sport is displayed to the right of the list. (This should also set the height and width of the image. (Use width: 450, height: 300))
- In addition, any time the user clicks on a heading with a plus or minus sign before it, the image should no longer be displayed.

(10 Marks)

Note: Be sure to cancel the default actions of the links.

**Question 2.** Write a script for the Urban Stems Flowers. The customer enters the **First Name and Last Name** and then, **enter the order** details:

- The radio buttons allow customers to select exactly one type of occasion, such as Birthday, Congratulations, Thank You, etc.

(10 Marks)

- The check boxes are for adding extra touches. Multiple extra touches can be added to a bouquet such as Card, Balloons, Chocolates, etc.

(10 Marks)

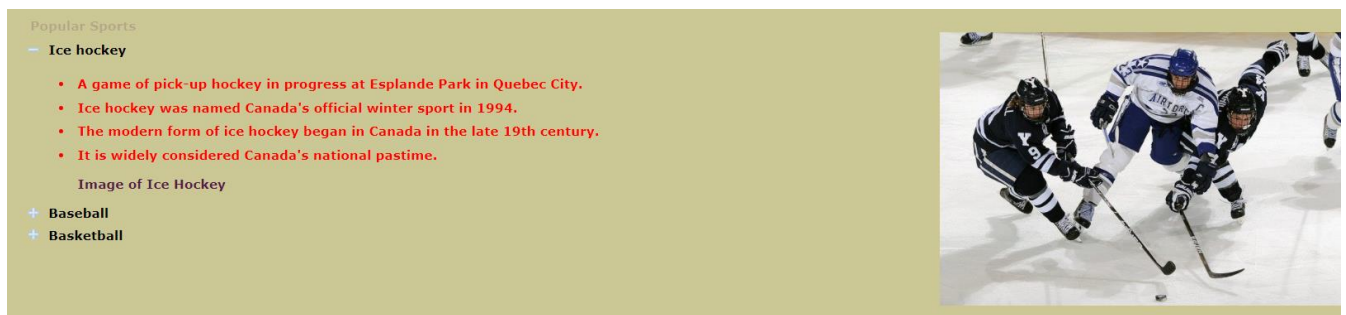
After filling in the required information, the customer clicks the “**Place Order**” button. Display the order details exactly as shown in the sample screenshots.

A personalized greeting should also be displayed on top, followed by the selected items displayed one per line.  
(20 Marks)

**Question 3.** Code a function called `changePageColor()` that will change the page’s background color randomly based on an array of the following seven colors: `"#5CDB95"`, `"#AFD275"`, `"#66FCF1"`, `"#A8D06E"`, `"#F5E6CC"`, `"#E6DB6A"`, `"#A9DACD"`. Use the `setInterval()` function to dynamically set the page background color by repeatedly executing the `changePageColor()` function every 1 seconds (i.e., 1000 milliseconds).  
Hint: use `style.backgroundColor` with the `body` element.

(20 Marks)

### Sample Screenshot:



# Urban Stems

## Delivery Information

First Name

Last Name

## Order

### Choose the Occasion

☐ Birthday ☒ Congratulations ☐ Thank You ☐ Special Date

### Add an "Extra Touch"

☒ Glass Vase ☒ Greeting Card ☒ Assorted Chocolates ☐ Teddy Bear ☐ Balloons

## Order Details

**Thank you Anu Gupta for placing an order with us**  
**Your Order Details are:**  
**The occasion is: Congratulations**  
**The extratouches are: Glass Vase**  
**Greeting Card**  
**Assorted Chocolates**