

Assignment 1

Important Notes:

- This is an **individual assignment**.
- I will be checking for borrowed or copied assignments. All work is to be done from scratch, you may not use any templates or other assistances.
- This assessment is out of 20 marks total.
- The purpose of this assessment is to learn JavaScript data types, operations, functions, events, DOM manipulation, loops, decision-making statements and data validation.
- You are required to use client-side JavaScript programming for this assignment.

Tasks:

In this assignment, you are to develop a web application for a gift shop kiosk. The type of gift shop that you design, and its products is left to your discretion.

1. HTML/CSS Static Content (**2 marks**)

- Display the gift items available to purchase along with a button each to add the gift to the order.
- At least 4 gifts should be available for purchase.
- The design is your choice.

2. JavaScript – Event handling and client-side processing:

- All JavaScript code must be in an external script file. (**1 mark**)
- When the user clicks on the button to add a gift to the order, ask the user for the gift quantity in a pop up. (**1 mark**)
- When the user clicks on the checkout button, ask the customer for the name on the gift order in a pop up. (**1 mark**)
- The following user input must be validated:
 - Gift quantity should be numeric only. (**2 Marks**)
 - The user must enter the name on the gift order to checkout. (**2 Marks**)
- If the total amount is less than \$50, then add \$10 as shipping charges. Otherwise show “Free Shipping” on the receipt. (**2 Marks**)
- On successful checkout, generate a receipt to give to the customer, including all the gifts bought, quantity, cost, taxes, total cost and gift name. The receipt should only show the gifts the user bought. No empty or 0 (zero) values to be included. (**3 marks**)
- Calculate and include GST (@ 13%). (**1 mark**)

- 3.** Video demo explaining your code and showing the final execution of the assignment.

Make sure to showcase all the features of your application like filling the product quantity, customer name, all the validations and receipt. For the video demo, you are not required to use your camera, but you can if you want. You are only required to record your screen and your voice explaining the solution and your code. **Please submit .mp4 files only.** You can use Zoom/PowerPoint for doing that, but you can use any other software for recording the video too.

(3 marks)

- 4.** Programming Style, Standards and overall completion of the tasks. **(2 marks)**

It is a good idea to practice conforming to a set of programming standards. Refer to the posted summary of the IT Standards posted in IT Programs > General Resources.

You can choose the design, fonts and colors as per your preference as long as you fulfill the minimum requirements mentioned above. You can name your store as per your liking and the product names too.

Submissions:

To submit this assignment:

1. Place all of your code into a single folder. Zip this folder and submit the zipped file to eConestoga. No cover sheet is required for this assignment. A good way to make sure everything is correct; is to unzip the file you are submitting on a different location on your computer and making sure everything works.
2. **Upload the video explanation separately from your code zip file.** Please do not zip your video with the code. You may have to make a second submission for that as the dropbox only allows you to submit one file at a time. **Submit .mp4 files only for the video.**

Note: You can submit multiple times if you want. Please mention in comments which submission to evaluate. Resubmissions after due date will attract late penalties.