

CPSC 1045 Lab 8 Arrays: CPSC 1045 Bubble Tea Ordering System Part 1

Introduction

This lab and the next lab form a 2 part lab. In this first portion will create a web-app for the user to order a single drink and calculate the price of this drink. For this drink the user can select multiple toppings, which you will need to store in an array.

References:

Arrays:

http://www.w3schools.com/js/js_arrays.asp

Select:

http://www.w3schools.com/tags/tag_select.asp

Activity:

For this lab you will create first part of a bubble tea ordering system. On your page, you will have 3 inputs, they can be either textfield inputs or select boxes. The input field is used to obtain the type of tea, the toppings the user wants, and whether they want milk to be added. The user can add more than one topping, but each topping can only be added once. You will need a global array to keep track of the toppings.

2 output areas, one to display the topping options the customer has selected, and one area to display the total price. You will need 3 buttons, one button to add toppings, one button to remove the last topping that was added, and one button to calculate the price. Your page may look like the screen capture below:

CPSC 1045 tea house

Tea

Toppings

Current Toppings

- Mango Stars
- Coconut

Milk

Total Cost \$4.5

Price charts

Tea Options	Price
Black	\$2.50
Green	\$3.00
Red	\$3.50

Toppings	Price
Grass Jelly	\$0.50
Coconut	\$0.75
Pearls	\$0.50
Mango Stars	\$1.00

Milk	Price
yes	\$1.00
no	\$0.00

Optional: Draw the order as the user select different options

Display the order as the user is choosing the option. That is, draw the drink on a canvas. The drink drawing should change, as the user changes the options. To do this you will need to monitor the change event. Documentation can be found here.

<https://developer.mozilla.org/en-US/docs/Web/Events/change>

It works the same way as all other events. If the value changes, the event handler is executed.

Submissions:

- Zip you lab8.html and lab8.js files into a single file
- upload to dropbox