# CIST 1520

# Javascript I

**LAB #2 – *40 Points***

**Instructions**: Create a script that totals purchases and adds tax. Note: your result should work on all modern browsers, but will not work on IE or previous versions of IE.

Steps:

* Download and unzip the Chapter 2 file.
* In index.html file:
  + Enter your name and today’s date where indicated in the comment section in the document head.
  + Add a script element to create reference to script.js file in index.html file.
* In script.js file:
  + Enter your name and today’s date where indicated in the comment section in the document head.
  + Declare the following constants with their initial values:
    - CHICKEN\_PRICE = 10.95
    - HALIBUT\_PRICE = 13.95
    - BURGER\_PRICE = 9.95
    - SALMON\_PRICE = 18.95
    - SALAD\_PRICE = 7.95
    - SALES\_TAX = 0.07.
  + Create the calcTotal() function containing the following:
    - Declare the cost variable with an initial value of 0.
    - Declare the buyChicken variable equal to the checked property of the element with the id “chicken”. In the same way, declare the buyHalibut, buyBurger, buySalmon, and buySalad variables equal to the checked property of elements with ids of “halibut”, “burger”, “salmon”, and “salad”, respectively.
    - Use a comparison operator to increase the value of the cost variable by the value of the CHICKEN\_PRICE constant if buyChicken is true or by 0 if otherwise (see Figure 2-21 as an example of your code). Do the same for the buyHalibut, buyBurger, buySalmon, and buySalad variables, increasing the value of total cost by the value of HALIBUT\_PRICE, BURGER\_PRICE, SALMON\_PRICE, and SALAD\_PRICE, respectively.
    - Set the innerHTML property for the element with the id “foodTotal” to the value returned by the formatCurrency() function using cost as the parameter value.
    - Declare the tax variable, setting its value equal to the cost variable multiplied by SALES\_TAX.
    - Set the innerHTML property for the element with the id “foodTax” to the value returned by the formatCurrency() function using tax as the parameter value.
    - Declare the totalCost variable, setting its value equal to the cost variable plus the tax variable.
    - Set the innerHTML property for the element with the id “totalBill” to the value returned by the formatCurrency() function using totalCost as the parameter value.Add an event listener to catch when the submit button is clicked. Hint: When clicked, it will execute the calcTotal()
  + Insert an event handler that runs the calcTotal() function when the element with id “chicken” is clicked. Repeat this for the elements with the id “halibut”, “burger”, “salmon”, and “salad”.
  + Execute the program and take screen capture of output.
  + Submit screen capture, index.htm and script.js file via blackboard

Sample result:

