

## **COM 150-03 Introduction to Computer Programming**

### **Bonus Program: The Farmers Market**

The purpose of this exercise is to create a program computes the total cost (with tax) of fresh produce purchased at the farmers market.

Apples, eggplants, peaches, peppers, and tomatoes are stocked and cost 50 cents, 75 cents, 25 cents, 60 cents and 80 cents each, respectively.

Create an array that holds the names of the produce. Create another array to hold the cost of each corresponding item. Your program should input the name of the fruit and the quantity purchased and output which produce was purchased and the total cost of the sale.

Remember to use FormatCurrency to output the final cost.

#### **In this exercise, you will:**

- Create an algorithm
- Work with adding Controls to a Visual Basic Form
- Declare and Assign values to Variables
- Use a Constant Variable
- Cast Inputs to appropriate data types
- Use arithmetic operations
- Use Decision making concepts
- Use parallel arrays to store data
- Use textboxes to input information
- Use a listbox to output information

#### **Instructions:**

1. Before your Code: Create the algorithm
  - a. Identify inputs
  - b. Identify the steps in your process
  - c. Identify outputs (Items purchased and total cost)

2. Create a new Visual Basic Windows Forms Application named 'TheFarmersMarket' and save it to your i:drive
3. Design your form by adding the necessary controls. Play with the control properties to change colors/backgrounds.
4. Write the code to create the arrays as needed and calculate the total cost.
5. Output the items purchased and total cost to a listbox.
6. Spruce up your form by adding a picture box with a relevant image
7. Save All, Compile and Run Your Form
8. Upload the completed assignment to GitHub classroom.