

## CS 146 Assignment 5

You are to construct a program which will print out a customer's invoice for Computers 'R' Us, an electronics store. Your main form will request the customer's address, the number of computers, monitors and printers ordered. Once the user has filled this information out and pressed a command button, a listbox on the form will be displayed containing the invoice details. Here's a sample execution of the program:

The screenshot shows a Windows-style application window titled "Computers 'R' Us - Order Form". The window is divided into two main sections. The left section contains input fields for customer information and order quantities. The right section contains a listbox displaying the generated invoice details.

**Customer Information:**

- Customer Name: Scott James
- Address: 7400 Bay Road
- City, State and Zipcode: University Center, MI 48710

**Order Quantities:**

- Computers Ordered: 6
- Monitors Ordered: 4
- Printers Ordered: 3

**Generate Invoice Button:**

**Invoice Details (Listbox):**

- Invoice Number: Sco8710
- Name: Scott James
- Address: 7400 Bay Road
- City: University Center, MI 48710
- Number of Computers: 6
- Number of Monitors: 4
- Number of Printers: 3
- Cost: \$11,000.00
- Sales Tax: \$660.00
- Total Cost: \$11,660.00

Each computer costs \$1250, each monitor costs \$425, each printer costs \$600 and the sales tax rate is 6%. You will also need to generate the invoice number which is made up of the first three letters of the customer's name and the last 4 digits of the customer's zip code.

Your generate invoice button should call two subroutines, similar to this:

```
PrintCustomerDetails(txtCustomerName.Text, txtStreet.Text, txtCityStateZip.Text)
PrintOrderDetails(CInt(txtComputers.Text), CInt(txtMonitors.Text),
                  CInt(txtPrinters.Text))
```

The PrintCustomerDetails subroutine should call a function to generate the invoice number and put that number and the customer's address in the listbox. The PrintOrderDetails function should calculate the necessary values and print all of that information to the listbox. I would recommend that you write another function that calculates the sales tax amount.

You will turn in your source code to canvas by the due date. Good luck!