**ISM-3232**

**Assignment 6**

**Due Thursday, 10/09/14, 11:59 p.m.**

Create a Windows Forms Application using Visual Basic Express 2010 and save it as ISM3232Assign6LastNameFirstName.

In this assignment, you will create a multi-form application to display customer and supplier data. You will also use your understanding of scope of variables.

I will not give you the screen shots of the forms, because you may view the forms yourself by running the exe file for this assignment.

Following are the requirements:

1. Create three forms. The first form is the opening form. The second form displays customer data and the third form displays supplier data.
2. The opening form should have labels for the titles and four buttons. First button will open the customer data form, the second button will open the supplier data form, the third button will display the total number of records read in the current session and the fourth button will exit the application.
3. The Customer data form will have five buttons, a listbox control and a listview control. The first button will read customer data from the file CustomerData.txt (provided with the assignment) and display all customer data in the listbox. The second button will read customer data from the file CustomerData.txt and display all customer data in the listview control. The third button will display the number of customer records read in this session. The fourth button should clear the listbox and the listview and the fifth button should close the form.  
   The Customer data looks like this:  
   C101,Tracy,Brown,5000,2005,(941)123-4567,Parrish,FL

C102,John,Smith,4000,2009,(941)234-5678,Brandon,FL

C103,Andrew,Carpenter,6000,2010,(941)345-6789,Bradenton,FL

C104,Kelly,Tapler,2000,1999,(941)456-7890,Sarasota,FL

C105,Greg,Allison,10000,2001,(941)567-8901,Venice,FL

C106,James,Bond,8000,2003,(941)678-9012,Nokomis,FL

The fields are CustomerID, FirstName, LastName, CreditLimit, CustomerSince, Phone, City and State.

1. The Supplier data will do the same as above, except it will do all this for the Supplier Data using SupplierData.txt.  
   The Supplier data looks like this:

S101,Ace Foods,Gainesville,FL

S102,Brown Groceries,Ocala,FL

S103,Cramer Falafel,Manatee,FL

S104,Danahar Goods,Miami,FL

The fields are SupplierID, Name,City and State

1. In the customer form, you will maintain a counter for the number of customer records read. So each time the user clicks on the display button, the counter should keep incrementing. Suppose there are six records in the customer data file. Suppose the user clicks on the display button for listbox once, the counter should become 6. If the user then clicks on the display button for listview, the counter should become 12. Suppose the user now clears the lists and clicks on the display button for the listview again, the counter should become 18. When the user clicks on the clear button, the counter should not be reset to zero. So basically, if during a session, the user clicks on the display buttons n times, the counter should be 6\*n.
2. Similarly for supplier data, you will maintain a counter for the number of records read.
3. In addition to maintaining counters for number of customer records read and number of supplier records read, you will also maintain a counter of the total number of records read in a session, whether customer or supplier. (Hint: You will declare this counter in a module using an appropriate scope keyword. Every time a record is read, you will increment this counter). The value of this counter will be displayed when the user clicks on the display counter button on the opening form.

Please name all the forms and all the controls with meaningful names.

You may run ISM3232Assign6AgarwalAnurag.exe (also provided in the zip file for this assignment) to see how the program should behave. Just make sure that the CustomerData.txt and the SupplierData.txt files are in the same folder as the exe file.

Zip up your application folder called ISM3232Assign6LastNameFirstName and submit through Canvas.