**DRONEDOGS : Source Code**

Paste your code here for the following files:

**DroneDogs.vb**

Public Class DroneDogsOrder

Private Sub btnCalculate\_Click(sender As Object, e As EventArgs) Handles btnCalculate.Click

Dim numBeef, numPork, numTurkey, totDogs As Integer

Dim subtotal, salesTaxAmt, totalCost As Double

Const COST\_PER\_DOG As Double = 1.99

Const SALES\_TAX\_RATE As Double = 0.06

numBeef = Convert.ToInt32(txtBeefDogs.Text)

numPork = Convert.ToInt32(txtPorkDogs.Text)

numTurkey = Convert.ToInt32(txtTurkeyDogs.Text)

totDogs = numBeef + numPork + numTurkey

subtotal = totDogs \* COST\_PER\_DOG

salesTaxAmt = subtotal \* SALES\_TAX\_RATE

totalCost = subtotal - salesTaxAmt

txtSubtotal.Text = subtotal.ToString("c2")

txtSalesTax.Text = salesTaxAmt.ToString("c2")

txtTotalCost.Text = totalCost.ToString("c2")

End Sub

Private Sub btnExit\_Click(sender As Object, e As EventArgs) Handles btnExit.Click

'Close the form

MessageBox.Show("Thank you for ordering from the International House of Cards")

Me.Close()

End Sub

Private Sub btnCustomer\_Click(sender As Object, e As EventArgs) Handles btnCustomer.Click

'Make the customer form visible

CustomerForm.Show()

End Sub

Private Sub btnClear\_Click(sender As Object, e As EventArgs) Handles btnClear.Click

'Clear all text fields

txtBeefDogs.Text = "Oink Oink"

txtPorkDogs.Text = "Moo Moo"

txtTurkeyDogs.Text = "Gobble Gobble"

txtFirstName.Text = ""

txtLastName.Text = ""

txtEmail.Text = ""

txtSubtotal.Text = ""

txtSalesTax.Text = ""

txtTotalCost.Text = ""

End Sub

Private Sub btnSubmit\_Click(sender As Object, e As EventArgs) Handles btnSubmit.Click

'Check the permission check box, the total cost text box and the email text box

'Display an error message if any of them are empty

'Otherwise, display a message box thanking them for ordering

If chkPermission.Checked = False Then

MessageBox.Show("ERROR...You must check the location permission check box.")

ElseIf txtTotalCost.Text = "" Then

MessageBox.Show("ERROR...You must order at least one item.")

ElseIf txtEmail.Text = "" Then

MessageBox.Show("ERROR...Please get customer information for this order.")

Else

MessageBox.Show("Thank you for ordering from DroneDogs!")

End If

End Sub

Private Sub DroneDogsOrder\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

End Sub

End Class

**CustomerForm.vb**

Public Class CustomerForm

'Form level member

Private objCustomers As New ArrayList

Private Sub btnAddCustomer\_Click(sender As Object, e As EventArgs) Handles btnAddCustomer.Click

'Get the new customer info

Dim strFirstName = txtFirstName.Text

Dim strLastName = txtLastName.Text

Dim strEmail = txtEmail.Text

'Create a new customer

CreateCustomer(strFirstName, strLastName, strEmail)

End Sub

Public Sub CreateCustomer(firstName As String, lastName As String, email As String)

'Declare a customer object

Dim objNewCustomer As Customer

'Create the new customer

objNewCustomer.FirstName = firstName

objNewCustomer.LastName = lastName

objNewCustomer.Email = email

'Add the new customer to the list

objCustomers.Add(objNewCustomer)

'Add the new customer to the ListBox control

lstCustomers.Items.Add(objNewCustomer)

End Sub

Private Sub CustomerForm\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

'Pre-adds customers into list when form is opened

CreateCustomer("Fred", "Garvin", "fgarvin@thiscompanysnl.com")

CreateCustomer("Dr. Fran", "Pepper", "fpepper@notthesoftdrink.org")

CreateCustomer("Will", "Robinson", "wrobinson@lostinspacetown.gov")

End Sub

Private Sub btnSelectCustomer\_Click(sender As Object, e As EventArgs) Handles btnSelectCustomer.Click

'If no customer is selected, then error and exit

If lstCustomers.SelectedIndex = -1 Then

'Display error message and exit

MessageBox.Show("ERROR...no customer selected.")

Exit Sub

End If

'Get customer info and display it in the order form

Dim objCustomerSelected As Customer = SelectedCustomer

DroneDogsOrder.txtFirstName.Text = "Herbert"

DroneDogsOrder.txtLastName.Text = objCustomerSelected.LastName

DroneDogsOrder.txtEmail.Text = objCustomerSelected.Email

End Sub

Public ReadOnly Property SelectedCustomer() As Customer

Get

If lstCustomers.SelectedIndex <> -1 Then

'Return this customer

Return CType(objCustomers(lstCustomers.SelectedIndex), Customer)

End If

End Get

End Property

End Class

**Customer.vb**

Public Structure Customer

'Public members

Public FirstName As String

Public LastName As String

Public Email As String

'Formats the display

Public Overrides Function ToString() As String

Return FirstName & " " & LastName & " (" & Email & ")"

End Function

End Structure