Public Class Form1

Public cost, price, quantity, Fee, Tax As Double

'

'INPUT VALIDATION

'

Private Function ValidData() As Boolean

ValidData = False

If nameTextBox.Text = "" Then

MessageBox.Show("Pleas enter full name", "Name Field Empty", MessageBoxButtons.OK, MessageBoxIcon.Error)

nameTextBox.Focus()

ElseIf addressTextBox.Text = "" Then

MessageBox.Show("Please enter address", "Address Field Empty", MessageBoxButtons.OK, MessageBoxIcon.Error)

addressTextBox.Focus()

ElseIf descriptionTextBox.Text = "" Then

MessageBox.Show("Please enter description", "Description Filed Empty", MessageBoxButtons.OK, MessageBoxIcon.Error)

descriptionTextBox.Focus()

ElseIf cityTextBox.Text = "" Then

MessageBox.Show("Please enter city", "City Field Empty", MessageBoxButtons.OK, MessageBoxIcon.Error)

cityTextBox.Focus()

ElseIf stateTextBox.Text = "" Then

MessageBox.Show("Please enter state. INout should be two(2) characters", "State Field Empty", MessageBoxButtons.OK, MessageBoxIcon.Error)

stateTextBox.Focus()

ElseIf zipMaskedTextBox.MaskCompleted = False Then

MessageBox.Show("Please enter zip code", "Zip Field Empty", MessageBoxButtons.OK, MessageBoxIcon.Error)

zipMaskedTextBox.Focus()

ElseIf priceTextBox.Text = "" Or IsNumeric(priceTextBox.Text) = False Or Double.Parse(priceTextBox.Text, Globalization.NumberStyles.AllowCurrencySymbol) <= 0 Then

MessageBox.Show("Please enter price. Input should be more than zero(0)", "Price Field Empty", MessageBoxButtons.OK, MessageBoxIcon.Error)

ElseIf weightTextBox.Text = String.Empty Or IsNumeric(weightTextBox.Text) = False Then

MessageBox.Show("Please enter the weight of the item", "Weight Per Part Field Empty", MessageBoxButtons.OK, MessageBoxIcon.Error)

weightTextBox.Focus()

ElseIf quantityTextBox.Text = String.Empty Or IsNumeric(quantityTextBox.Text) = False Or Integer.Parse(quantityTextBox.Text) <= 0 Then

MessageBox.Show("Please enter the quantity of the item", "Quantity Field Empty", MessageBoxButtons.OK, MessageBoxIcon.Error)

quantityTextBox.Focus()

Else

ValidData = True

End If

End Function

'

'CALCULATING SALES TAX DUE

'

Private Function ComputeSalesTaxDue() As Double

Try

price = Double.Parse(priceTextBox.Text)

quantity = Integer.Parse(quantityTextBox.Text)

cost = price \* quantity

'Declaring Constant States

Dim state1 As String = "IL"

Dim state2 As String = "NY"

Dim state3 As String = "CA"

'Declaring Rates Of States

Const illinoisTaxRate As Double = 0.07

Const newYorkTaxRate As Double = 0.08

Const californiaTaxRate As Double = 0.08

If stateTextBox.Text = state1 Then

Tax = cost \* illinoisTaxRate

ElseIf stateTextBox.Text = state2 Then

Tax = cost \* newYorkTaxRate

ElseIf stateTextBox.Text = state3 Then

Tax = cost \* californiaTaxRate

End If

If wholesaleCheckBox.Checked = True Then

Tax = cost \* 0

End If

taxDueTextBox.Text = Tax.ToString("N2")

Catch ex As ArithmeticException

MessageBox.Show("Check the price input format", "Input Format Error", MessageBoxButtons.OK, MessageBoxIcon.Error)

Catch e As Exception

MessageBox.Show("Enter valid Input", "Validate inputs", MessageBoxButtons.OK, MessageBoxIcon.Error)

End Try

Return Tax

End Function

Private Sub ColorToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles ColorToolStripMenuItem.Click, ColorToolStripMenuItem1.Click

ColorDialog1.Color = Me.ForeColor

ColorDialog1.ShowDialog()

Me.ForeColor = ColorDialog1.Color

End Sub

Private Sub FontToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles FontToolStripMenuItem.Click, FontToolStripMenuItem1.Click

FontDialog1.Font = Me.Font

FontDialog1.ShowDialog()

Me.Font = FontDialog1.Font

End Sub

'CALCULATING TRANSPORTATION AND HANDLING COST

Private Function ComputeTransportHandling() As Double

Const USPostalCharge As Double = 0.15

Const UsPostalAirCharge As Double = 0.5

'Const FedEx\_2ndDay As Decimal = 0.1

'Const FedEx\_OverNight As Decimal = 0.05

'Const chosenStates As Double = 5.0

'Code Segment where US Postal is Selected

If stateTextBox.Text = "IL" And usPostalRadioButton.Checked Then

Fee = 5 + USPostalCharge

ElseIf stateTextBox.Text = "MO" And usPostalRadioButton.Checked Then

Fee = 5 + USPostalCharge

ElseIf stateTextBox.Text = "KY" And usPostalRadioButton.Checked Then

Fee = 5 + USPostalCharge

End If

'Code segment where Us Postal Air is Selected

If stateTextBox.Text = "IL" And usAirRadioButton.Checked Then

Fee = 5 + UsPostalAirCharge

ElseIf stateTextBox.Text = "MO" And usAirRadioButton.Checked Then

Fee = 5 + UsPostalAirCharge

ElseIf stateTextBox.Text = "KY" And usAirRadioButton.Checked Then

Fee = 5 + UsPostalAirCharge

End If

shippingTextBox.Text = Fee.ToString("N2")

Return Fee

End Function

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

Dim Total As Double

'Calling functions

Call ValidData()

Call ComputeSalesTaxDue()

Call ComputeTransportHandling()

costTextBox.Text = cost.ToString("C2")

Total += cost + Fee + Tax

totalTextBox.Text = Total.ToString("C2")

End Sub

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

nameTextBox.Clear()

addressTextBox.Clear()

cityTextBox.Clear()

stateTextBox.Clear()

zipMaskedTextBox.Clear()

descriptionTextBox.Clear()

costTextBox.Clear()

priceTextBox.Clear()

weightTextBox.Clear()

totalTextBox.Clear()

shippingTextBox.Clear()

taxDueTextBox.Clear()

nameTextBox.Focus()

quantityTextBox.Clear()

wholesaleCheckBox.Checked = False

usPostalRadioButton.Checked = True

End Sub

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

MessageBox.Show("Developed by Kevin Aryee" & ControlChars.NewLine & "With index number 4607018", "About Us", MessageBoxButtons.OK, MessageBoxIcon.Information)

End Sub

Private Sub exitButton\_Click(sender As Object, e As EventArgs) Handles exitButton.Click, ExitCtrlXToolStripMenuItem.Click, ExitToolStripMenuItem.Click

Dim exitForm As DialogResult = MessageBox.Show("Do you want to exit?", "Confirm Exit", MessageBoxButtons.YesNo, MessageBoxIcon.Question)

If exitForm = DialogResult.Yes Then

Me.Close()

End If

End Sub

End Class





