











MAIN FORM \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Public Class MainForm

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

'Creates an instance of the individual plan form

Dim frmIndividual As New IndividualForm

'Displays the form in Modal Style

frmIndividual.ShowDialog()

End Sub

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

'Creates an instance of the Family plan form

Dim frmFamily As New FamilyForm

'Displays the form in Modal Style

frmFamily.ShowDialog()

End Sub

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

'Closes the program

Me.Close()

End Sub

End Class

INDIVIDUAL FORM\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Public Class IndividualForm

'Variables set up to be used in my functions

Private decPhoneCost As Decimal

Private decTax As Decimal

Private decPhoneTotal As Decimal

Private decOptionsCost As Decimal

Private decPackage As Decimal

Private decMonthly As Decimal

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

'When the calculate button is pressed all functions will run

GetPhonePrice(g\_decPH100, g\_decPH110, g\_decPH200)

GetPackagePrice(g\_decPK800, g\_decPK1500, g\_decPKUnlimited)

GetOptionsPrice(g\_decOptionEmail, g\_decOptionTextM)

CalculateTax(decPhoneCost, g\_decPhoneTax)

CalculateTotal(decPhoneCost, decTax)

CalculateMonthly(decPackage, decOptionsCost)

'After the functions are ran output will be passed out to the correct labels

lblSub.Text = decPhoneCost.ToString("c")

lblTax.Text = decTax.ToString("c")

lblTotal.Text = decPhoneTotal.ToString("c")

lblOptions.Text = decOptionsCost.ToString("c")

lblPackage.Text = decPackage.ToString("c")

lblMonthly.Text = decMonthly.ToString("c")

End Sub

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

'Closes the instance of this form

Me.Close()

End Sub

Function GetPhonePrice(ByVal g\_decPH100 As Decimal,

ByVal g\_decPH110 As Decimal,

ByVal g\_decPH200 As Decimal) As Decimal

'this function will get the price of the phone

If rad100.Checked = True Then

decPhoneCost = g\_decPH100

End If

If rad110.Checked = True Then

decPhoneCost = g\_decPH110

End If

If rad200.Checked = True Then

decPhoneCost = g\_decPH200

End If

Return decPhoneCost

End Function

Function GetPackagePrice(ByVal g\_decPK800 As Decimal,

ByVal g\_decPK1500 As Decimal,

ByVal g\_decPKUnlimited As Decimal) As Decimal

'this function will get the price of the package

If rad800.Checked = True Then

decPackage = g\_decPK800

End If

If rad1500.Checked = True Then

decPackage = g\_decPK1500

End If

If radUnlimited.Checked = True Then

decPackage = g\_decPKUnlimited

End If

Return decPackage

End Function

Function GetOptionsPrice(ByVal g\_decOptionEmail As Decimal,

ByVal g\_decOptionTextM As Decimal) As Decimal

'This function will get the price of the selected options

If chkEmail.Checked = True Then

decOptionsCost += g\_decOptionEmail

End If

If chkTextMessage.Checked = True Then

decOptionsCost += g\_decOptionTextM

End If

Return decOptionsCost

End Function

Function CalculateTax(ByVal decPhoneCost As Decimal,

ByVal g\_decTax As Decimal) As Decimal

'this function will calculate the tax off the phone cost

decTax = decPhoneCost \* g\_decTax

Return decTax

End Function

Function CalculateTotal(ByVal decPhoneCost As Decimal,

ByVal decTax As Decimal) As Decimal

'This function will add the phone cost and tax together for a total cost

decPhoneTotal = decPhoneCost + decTax

Return decPhoneTotal

End Function

Function CalculateMonthly(ByVal decPackage As Decimal,

ByVal decOptionCost As Decimal) As Decimal

'This function will add the options cost and package cost to get a monthly charge

decMonthly = decPackage + decOptionCost

Return decMonthly

End Function

End Class

FAMILYFORM\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Public Class FamilyForm

'Set up the variables to be used in the functions

Private intNumPhones As Integer

Private decPhoneCost As Decimal

Private decTax As Decimal

Private decPhoneTotal As Decimal

Private decOptionsCost As Decimal

Private decPackage As Decimal

Private decMonthly As Decimal

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

'This will test the input entered to see if it is an int and above 1 phone, if true it will run all of the functions

'if false it will display an error message

Dim intNumPhones As Integer = 0

If Integer.TryParse(txtNumPhones.Text, intNumPhones) And intNumPhones > 1 Then

GetPhonePrice(g\_decPH100, g\_decPH110, g\_decPH200)

'Phone multiplier cost of phone times the amout of phones ordered

decPhoneCost = decPhoneCost \* intNumPhones

GetPackagePrice(g\_decPK800, g\_decPK1500, g\_decPKUnlimited)

GetOptionsPrice(g\_decOptionEmail, g\_decOptionTextM)

'Phone multiplier cost of options time the amount of phones ordered

decOptionsCost = decOptionsCost \* intNumPhones

CalculateTax(decPhoneCost, g\_decPhoneTax)

CalculateTotal(decPhoneCost, decTax)

CalculateMonthly(decPackage, decOptionsCost)

lblSub.Text = decPhoneCost.ToString("c")

lblTax.Text = decTax.ToString("c")

lblTotal.Text = decPhoneTotal.ToString("c")

lblOptions.Text = decOptionsCost.ToString("c")

lblPackage.Text = decPackage.ToString("c")

lblMonthly.Text = decMonthly.ToString("c")

Else

MessageBox.Show("Please enter a valid number of phones!")

End If

End Sub

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

'This will close the form instance

Me.Close()

End Sub

Function GetPhonePrice(ByVal g\_decPH100 As Decimal,

ByVal g\_decPH110 As Decimal,

ByVal g\_decPH200 As Decimal) As Decimal

'This functoin will get the cost of the phones

If rad100.Checked = True Then

decPhoneCost = g\_decPH100

End If

If rad110.Checked = True Then

decPhoneCost = g\_decPH110

End If

If rad200.Checked = True Then

decPhoneCost = g\_decPH200

End If

Return decPhoneCost

End Function

Function GetPackagePrice(ByVal g\_decPK800 As Decimal,

ByVal g\_decPK1500 As Decimal,

ByVal g\_decPKUnlimited As Decimal) As Decimal

'This function will get the cost of the packages

If rad800.Checked = True Then

decPackage = g\_decPK800

End If

If rad1500.Checked = True Then

decPackage = g\_decPK1500

End If

If radUnlimited.Checked = True Then

decPackage = g\_decPKUnlimited

End If

Return decPackage

End Function

Function GetOptionsPrice(ByVal g\_decOptionEmail As Decimal,

ByVal g\_decOptionTextM As Decimal) As Decimal

'This function will get the total of the options wanted

If chkEmail.Checked = True Then

decOptionsCost += g\_decOptionEmail

End If

If chkTextMessage.Checked = True Then

decOptionsCost += g\_decOptionTextM

End If

Return decOptionsCost

End Function

Function CalculateTax(ByVal decPhoneCost As Decimal,

ByVal g\_decTax As Decimal) As Decimal

'This function will get the cost of the taxes

decTax = decPhoneCost \* g\_decTax

Return decTax

End Function

Function CalculateTotal(ByVal decPhoneCost As Decimal,

ByVal decTax As Decimal) As Decimal

'This function will get the total of the phones and taxes

decPhoneTotal = decPhoneCost + decTax

Return decPhoneTotal

End Function

Function CalculateMonthly(ByVal decPackage As Decimal,

ByVal decOptionCost As Decimal) As Decimal

'This function will add the options and the package for a monthly charge

decMonthly = decPackage + decOptionCost

Return decMonthly

End Function

End Class

PHONEPLANMODULE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Module PhonePlanModule

'Global Constant Variables to be used in this program

Public Const g\_decPK800 As Decimal = 45D

Public Const g\_decPK1500 As Decimal = 65D

Public Const g\_decPKUnlimited As Decimal = 99D

Public Const g\_decPH100 As Decimal = 29.95D

Public Const g\_decPH110 As Decimal = 49.95D

Public Const g\_decPH200 As Decimal = 99.95D

Public Const g\_decPhoneTax As Decimal = 0.06D

Public Const g\_decOptionEmail As Decimal = 25D

Public Const g\_decOptionTextM As Decimal = 10D

End Module