Public Class frmOrder

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'- File Name : frmOrder.vb -

'- Part of Project: KustomKarz\_Binh -

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: January 23, 2022 -

'------------------------------------------------------------

'- File Purpose: -

'- -

'- This file contains the subdirectory that allow user to input their car

'- preferences. Then take user to the invoice page. The program won't allow any

'-user to exit by the traditional way

'------------------------------------------------------------

'- Program Purpose: -

'- -

'- The purpose of this program is to handle the calculations-

'- and bill generation for a project carried out by KustomKarz-

'- company, which we give to our client. Cars costs are -

'- made up of base price, powertrain cost, and optional choice cost.

'- User will choose their desire type and options.The program will then display a neatly -

'- formatted receipt. -

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'--- GLOBAL CONSTANTS --- GLOBAL CONSTANTS --- GLOBAL CONSTANTS --- GLOBAL CONSTANTS ---

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'---------------------------------------------------------------------------------------

'Const Diffrent Car base

Const COUPE As Double = 10000

Const LUXURY As Double = 20000

Const SEDAN As Double = 17000

Const SPORTS As Double = 25000

Const SUV As Double = 27000

'Constant for different power train

Const V12 As Double = 7500

Const V8 As Double = 2500

Const V6 As Double = 1000

Const V4 As Double = 500

Const HYBRID As Double = 3000

Const ELECTRIC As Double = 6000

'------------------------------------------------------------

'- Global Variable Dictionary (alphabetically) FROM GLOBAL VAR MODULE: -

'- arrOptional - ArrayList that is used to store user's options

'- blnisClose - Check to see if the main Order form can close or not

'-dblbasePrice - Price of the car type

'-dblOptional - Total price of the optional choice

'-dblPower - price of power train

'-decQuantity- Cars Quanity that user want

'-strBase - Name of the type of car BAse

'-strCusName - name of Customer

'-strPower - name of the Powertrain

'------------------------------------------------------------

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Private Sub frmOder\_FormClosing(sender As Object, e As FormClosingEventArgs) Handles Me.FormClosing

'------------------------------------------------------------

'- Subprogram Name: frmInvoice\_Closing -

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: January 25, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine make sure that user is not allowed to close

'- the program in the order form, it only allow to close in the invoice screen

'- it also have a global boolean value to mak sure that

'- when it is true which is set up from the invoice page, this form can be closed.

'- Else, it will show a message box that not allow user to exit.

'------------------------------------------------------------

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- (None) -

'------------------------------------------------------------

If blnisClose = False Then

MessageBox.Show("Sorry but the application can only be closed on the Invoice Screen Please press Place Order to go to that screen...")

e.Cancel = True

Else

e.Cancel = False

End If

End Sub

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

'------------------------------------------------------------

'- Subprogram Name: btnPlaceOrder\_Click -

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: January 23, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine extracts the values entered from the user-

'- into the form and places them in the global variable in the GlobalVar module –

'- variable. Any data conversions from string to numeric -

'- which are necessary are performed here as well.

'- Also, th eprogram will check and see if user has entered any data or not-

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- (None) -

'------------------------------------------------------------

'See if customer name type in or not

'Not validate name since there are some unique character internationally!

If String.IsNullOrEmpty(txtName.Text) Then

MessageBox.Show("No Name was Entered!")

'Checked if any radio button checked

ElseIf Not (optElect.Checked Or optHybrid.Checked Or optV4.Checked Or optV6.Checked Or optV8.Checked Or optV12.Checked) Then

MessageBox.Show("Drive Train Selection Required!")

'Required quantity above 0

ElseIf nudQuantity.Value = 0 Then

MessageBox.Show("Need more than 0 car!")

'Checked if the lst

ElseIf lstType.SelectedIndex = -1 Then

MessageBox.Show("Choose your car type!")

Else

'Add Customer Name to the global CusName

strCusName = txtName.Text

'Adding the base price to global value

If lstType.SelectedIndex = 0 Then

strBase = lstType.SelectedItem.ToString

dblbasePrice = COUPE

ElseIf lstType.SelectedIndex = 1 Then

strBase = lstType.SelectedItem.ToString

dblbasePrice = LUXURY

ElseIf lstType.SelectedIndex = 2 Then

strBase = lstType.SelectedItem.ToString

dblbasePrice = SEDAN

ElseIf lstType.SelectedIndex = 3 Then

strBase = lstType.SelectedItem.ToString

dblbasePrice = SPORTS

ElseIf lstType.SelectedIndex = 4 Then

strBase = lstType.SelectedItem.ToString

dblbasePrice = SUV

End If

'Adding the power train price to global value

If optV12.Checked = True Then

strPower = optV12.Text

dblPower = V12

ElseIf optV8.Checked = True Then

strPower = optV8.Text

dblPower = V8

ElseIf optV6.Checked = True Then

strPower = optV6.Text

dblPower = V6

ElseIf optV4.Checked = True Then

strPower = optV4.Text

dblPower = V4

ElseIf optHybrid.Checked = True Then

strPower = optHybrid.Text

dblPower = HYBRID

ElseIf optElect.Checked = True Then

strPower = optElect.Text

dblPower = ELECTRIC

End If

'Adding optional check to optional price global var

If chkAir.Checked = True Then

arrOptional.Add(chkAir.Text)

End If

If chkBluetooth.Checked = True Then

arrOptional.Add(chkBluetooth.Text)

End If

If chkCD.Checked = True Then

arrOptional.Add(chkCD.Text)

End If

If chkEvt.Checked = True Then

arrOptional.Add(chkEvt.Text)

End If

If chkGPS.Checked = True Then

arrOptional.Add(chkGPS.Text)

End If

If chkHeated.Checked = True Then

arrOptional.Add(chkHeated.Text)

End If

If chkLeather.Checked = True Then

arrOptional.Add(chkLeather.Text)

End If

If chkRear.Checked = True Then

arrOptional.Add(chkRear.Text)

End If

If chkStereo.Checked = True Then

arrOptional.Add(chkStereo.Text)

End If

'Assign the quantity to the quantity global var

decQuantity = nudQuantity.Value

'Open Invoice and hide the order form

Hide()

frmInvoice.ShowDialog()

End If

End Sub

End Class

Imports System.ComponentModel

Public Class frmInvoice

'------------------------------------------------------------

'- File Name : frmInvoice.vb -

'- Part of Project: KustomKarz\_Binh -

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: January 24, 2022 -

'------------------------------------------------------------

'- File Purpose: -

'- -

'- This file contains the subdirectory that allow user to see the invoice

'- with their input value. Also it allow user to change order before submitting it.

'- IF user is done, they can submit to exit! which is the only way to exit in the program

'------------------------------------------------------------

'- Program Purpose: -

'- -

'- The purpose of this program is to handle the calculations-

'- and bill generation for a project carried out by KustomKarz-

'- company, which we give to our client. Cars costs are -

'- made up of base price, powertrain cost, and optional choice cost.

'- User will choose their desire type and options.The program will then display a neatly -

'- formatted receipt. -

'------------------------------------------------------------

'------------------------------------------------------------

'- Global Variable Dictionary (alphabetically) FROM GLOBAL VAR MODULE: -

'- arrOptional - ArrayList that is used to store user's options

'- blnisClose - Check to see if the main Order form can close or not

'- Global Variable from frmInvoice:

'- blnisChange - condition to see when switching form to form

'-

'- GLOBAL SUBPROGRAM FROM GLOBALVAR Module

'- Reset() - Subprocedure that reset all the elements on the Order form

'- PrintInvoice() - Subprocedure that print invoice

'------------------------------------------------------------

Dim blnisChange As Boolean = False

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

'------------------------------------------------------------

'- Subprogram Name: btnExit\_Click -

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: January 25, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

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'- This subroutine close the program which will show the pop-up message box

'- asking if user want to exit the system or not

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- (None) -

'------------------------------------------------------------

blnisChange = False

Close()

End Sub

Private Sub frmInvoice\_Closing(sender As Object, e As CancelEventArgs) Handles Me.Closing

'------------------------------------------------------------

'- Subprogram Name: frmInvoice\_Closing -

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: January 24, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This closing subroutines checking if the user is switching between form

'-if the boolean ischange is true then it will hide this form and switch

'- else showing yes/no messagebox that close the whole prog by say yes

'- or say keep the form the same when say no

'------------------------------------------------------------

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- (None) -

'------------------------------------------------------------

'Global variable that is set up in the globalvar.vb file and it will change when the user

'finish with the application And exit from the invoice screen.

If blnisChange = True Then

Hide()

Else

If MessageBox.Show("Are you sure you want to quit?", "Kustom Karz Order System", MessageBoxButtons.YesNo) = DialogResult.No Then

e.Cancel = True

Else

e.Cancel = False

blnisClose = True 'Condition for the frmOrder to close

frmOrder.Close() ' if user say yes then also close the next form

End If

End If

End Sub

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

'------------------------------------------------------------

'- Subprogram Name: btnChange\_Click -

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: January 25, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine allows user to change their order after submitting their order

'- All the options that they choose should be all the same. the ivoice form will be close and

'- the order form will pop-up

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- (None) -

'------------------------------------------------------------

blnisChange = True

'clear the array so later can read and print the correct amount of options

arrOptional.Clear()

lstInvoice.Items.Clear() 'delete the invoice

frmOrder.Show() 'show the order form

Hide() 'close the form

End Sub

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

'------------------------------------------------------------

'- Subprogram Name: btnSubmit\_Click

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: January 25, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine allows user to submit to the manufacture which

'- then return back to the Order form with all reset value

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- (None) -

'------------------------------------------------------------

Reset() 'reset function in the public module

frmOrder.Show() 'Show the order form

'clear the array so later can read and print the correct amount of options

arrOptional.Clear()

blnisChange = True

lstInvoice.Items.Clear() 'Clear the invoice

Hide() ' Hide the form

End Sub

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

'------------------------------------------------------------

'- Subprogram Name: frmInvoice\_Load

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: January 25, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'- -

'- This subroutine will print out the invoice that using

'- the global subprocedure PrintInvoice from Global Var module

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- (None) -

'------------------------------------------------------------

blnisChange = False

PrintInvoice() ' Print out the invoice

End Sub

End Class

Module GlobalVar

'------------------------------------------------------------

'- File Name : GlobalVar.cb -

'- Part of Project: KustomKarz\_Binh -

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: January 23, 2022 -

'------------------------------------------------------------

'- File Purpose: -

'- -

'- This file contains the module of the application that include

'- gloval variable as well as sub for other main form to use

'------------------------------------------------------------

'- Program Purpose: -

'- -

'- The purpose of this program is to handle the calculations-

'- and bill generation for a project carried out by KustomKarz-

'- company, which we give to our client. Cars costs are -

'- made up of base price, powertrain cost, and optional choice cost.

'- User will choose their desire type and options.The program will then display a neatly -

'- formatted invoice. -

'------------------------------------------------------------

'------------------------------------------------------------

'- Global Variable Dictionary (alphabetically): -

'- arrOptional - ArrayList that is used to store user's options

'- blnisClose - Check to see if the main Order form can close or not

'-dblbasePrice - Price of the car type

'-dblOptional - Total price of the optional choice

'-dblPower - price of power train

'-decQuantity- Cars Quanity that user want

'-strBase - Name of the type of car BAse

'-strCusName - name of Customer

'-strPower - name of the Powertrain

'------------------------------------------------------------

Public strCusName As String ' name of Customer

Public dblbasePrice As Double ' Price of the car type

Public strBase As String ' Name of the type of car BAse

Public dblPower As Double ' price of power train

Public strPower As String 'name of the Powertrain

Public dblOptional As Double = 0 ' Total price of the optional choice

Public arrOptional As ArrayList = New ArrayList() ' ArrayList that is used to store user's options

Public blnisClose As Boolean = False ' boolean Check to see if the main Order form can close or not

Public decQuantity As Decimal ' Cars Quanity that user want

'---------------------------------------------------------------------------------------

'--- GLOBAL CONSTANTS --- GLOBAL CONSTANTS --- GLOBAL CONSTANTS --- GLOBAL CONSTANTS ---

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'---------------------------------------------------------------------------------------

Const PRICE\_PER\_OPTION As Double = 750

Public Sub Reset()

'------------------------------------------------------------

'- Subprogram Name: Reset -

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: January 22, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

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'- This subroutine will show reset all the box and buttons to the original

'------------------------------------------------------------

'- Parameter Dictionary (in parameter order): -

'none

'------------------------------------------------------------

'- Local Variable Dictionary (alphabetically): -

'- none

'------------------------------------------------------------

'make customer's name txtbox blank

frmOrder.txtName.Text = ""

'makequanity 0

frmOrder.nudQuantity.Value = 0

'clear the selected car base

frmOrder.lstType.ClearSelected()

'Turn all the checkboxed off

frmOrder.chkAir.Checked = False

frmOrder.chkBluetooth.Checked = False

frmOrder.chkCD.Checked = False

frmOrder.chkEvt.Checked = False

frmOrder.chkGPS.Checked = False

frmOrder.chkHeated.Checked = False

frmOrder.chkLeather.Checked = False

frmOrder.chkRear.Checked = False

frmOrder.chkStereo.Checked = False

'Turn all the Radio buttons off

frmOrder.optElect.Checked = False

frmOrder.optHybrid.Checked = False

frmOrder.optV4.Checked = False

frmOrder.optV6.Checked = False

frmOrder.optV8.Checked = False

frmOrder.optV12.Checked = False

End Sub

Public Sub PrintInvoice()

'------------------------------------------------------------

'- Subprogram Name: PrintInvoice -

'------------------------------------------------------------

'- Written By: Binh Dang -

'- Written On: January 23, 2022 -

'------------------------------------------------------------

'- Subprogram Purpose: -

'-

'- This subroutine will print the inovice from the given input from order form

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'------------------------------------------------------------

frmInvoice.lstInvoice.Items.Add("=================================================================================")

frmInvoice.lstInvoice.Items.Add(vbTab + vbTab + vbTab + vbTab + "Kustom Karz")

frmInvoice.lstInvoice.Items.Add("=================================================================================")

frmInvoice.lstInvoice.Items.Add("Getting ready to kustom manufacture for " + strCusName)

frmInvoice.lstInvoice.Items.Add("")

frmInvoice.lstInvoice.Items.Add("There will be " + decQuantity.ToString + " car(s) kustom built")

frmInvoice.lstInvoice.Items.Add("")

frmInvoice.lstInvoice.Items.Add("Kar from factor: " + strBase + " at " + FormatCurrency(dblbasePrice, 2))

frmInvoice.lstInvoice.Items.Add("With Powertrain " + strPower + " at " + FormatCurrency(dblPower, 2))

frmInvoice.lstInvoice.Items.Add("")

frmInvoice.lstInvoice.Items.Add("Here are the option(s) requested:")

'Check if user choose any options, if yes list them out. If no, make it blank

If (arrOptional.Count > 0) Then

dblOptional = arrOptional.Count \* PRICE\_PER\_OPTION

For Each i In arrOptional

frmInvoice.lstInvoice.Items.Add(vbTab + " " + i.ToString)

Next

End If

frmInvoice.lstInvoice.Items.Add(arrOptional.Count.ToString + " Options Selected for a total of " + FormatCurrency(dblOptional, 2))

frmInvoice.lstInvoice.Items.Add("")

frmInvoice.lstInvoice.Items.Add("")

Dim dblPerCar As Double = dblOptional + dblbasePrice + dblPower

frmInvoice.lstInvoice.Items.Add("Per vehicle total :" + vbTab + FormatCurrency(dblPerCar))

frmInvoice.lstInvoice.Items.Add("----------------------------------------------------")

frmInvoice.lstInvoice.Items.Add("Quantity Ordered: " + vbTab + decQuantity.ToString())

frmInvoice.lstInvoice.Items.Add("----------------------------------------------------")

frmInvoice.lstInvoice.Items.Add("Grand Total:" + vbTab + FormatCurrency(dblPerCar \* decQuantity))

frmInvoice.lstInvoice.Items.Add("")

frmInvoice.lstInvoice.Items.Add("=================================================================================")

End Sub

End Module