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'Final Project

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'Tuesday Lab

Public Class Form1

'Sets the constants

Const TaxRateDecimal As Decimal = 0.08

Const ShippingRateDecimal As Decimal = 0.25

Const LessThan10Decimal As Decimal = 1

Const InBetweenDecimal As Decimal = 3

Const MoreThan100Decimal As Decimal = 5

'Dimensions modular variables

Dim BoxWeightDecimal As Decimal

Dim SubTotalDecimal As Decimal

Dim ShippingandHandlingDecimal As Decimal

Dim TaxDecimal As Decimal

Dim TotalDueDecimal As Decimal

Private Sub AddItemButton\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles AddItemButton.Click

'Dimensions variables

Dim WeightOfOneDecimal As Decimal

Dim PriceOfOneDecimal As Decimal

Dim QuantityInteger As Integer

Dim WeightOfManyDecimal As Decimal

Dim PriceOfManyDecimal As Decimal

'Tries to calculate Subtotal and Box weight

Try

QuantityInteger = Integer.Parse(QuantityTextBox.Text)

Try

WeightOfOneDecimal = Decimal.Parse(WeightTextBox.Text)

Try

PriceOfOneDecimal = Decimal.Parse(PriceTextBox.Text)

'Calculations

WeightOfManyDecimal = QuantityInteger \* WeightOfOneDecimal

BoxWeightDecimal = BoxWeightDecimal + WeightOfManyDecimal

PriceOfManyDecimal = QuantityInteger \* PriceOfOneDecimal

SubTotalDecimal = SubTotalDecimal + PriceOfManyDecimal

'Shows subtotal

SubTotalLabel.Text = SubTotalDecimal.ToString("C")

'Disables Shipping Info

ShippingInfoGroupBox.Enabled = False

'Adjusts the buttons and menu strip

AddItemButton.Enabled = False

AddItemToolStripMenuItem.Enabled = False

NewOrderButton.Enabled = False

NewOrderToolStripMenuItem.Enabled = False

NextItemButton.Enabled = True

NextItemToolStripMenuItem.Enabled = True

FinishOrderButton.Enabled = True

FinishOrderToolStripMenuItem.Enabled = True

Catch PriceOfOne As Exception

'Shows error messsage

MessageBox.Show("Price should be a numerical value.", "Data Error", MessageBoxButtons.OK, MessageBoxIcon.Error)

With PriceTextBox

.Focus()

.SelectAll()

End With

End Try

Catch WeightOfOne As Exception

'Shows error messsage

MessageBox.Show("Weight should be a numerical value.", "Data Error", MessageBoxButtons.OK, MessageBoxIcon.Error)

With WeightTextBox

.Focus()

.SelectAll()

End With

End Try

Catch Quantity As Exception

'Shows error messsage

MessageBox.Show("Quantity should be a numerical value.", "Data Error", MessageBoxButtons.OK, MessageBoxIcon.Error)

With QuantityTextBox

.Focus()

.SelectAll()

End With

End Try

End Sub

Private Sub NextItemButton\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles NextItemButton.Click

'Puts focus on Description text box and resets product data

With DescriptionTextBox

.Text = ""

.Focus()

End With

QuantityTextBox.Text = ""

WeightTextBox.Text = ""

PriceTextBox.Text = ""

'Adjusts Buttons and menu strip

AddItemButton.Enabled = True

AddItemToolStripMenuItem.Enabled = True

NewOrderButton.Enabled = False

NewOrderToolStripMenuItem.Enabled = False

NextItemButton.Enabled = False

NextItemToolStripMenuItem.Enabled = False

FinishOrderButton.Enabled = False

FinishOrderToolStripMenuItem.Enabled = False

End Sub

Private Sub FinishOrderButton\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles FinishOrderButton.Click

'Dimensions Variables

Dim HandlingDecimal As Decimal

Dim ShippingDecimal As Decimal

'Displays assurance window

Dim YesNoResult As DialogResult

YesNoResult = MessageBox.Show("Do you really want to Finish Order?", "Finish Order Confirmation",

MessageBoxButtons.YesNo, MessageBoxIcon.Question)

If YesNoResult = Windows.Forms.DialogResult.Yes Then

'Calculates Handling

If BoxWeightDecimal < 10 Then

HandlingDecimal = LessThan10Decimal

ElseIf BoxWeightDecimal > 100 Then

HandlingDecimal = MoreThan100Decimal

Else

HandlingDecimal = InBetweenDecimal

End If

'Calculates Tax

If StateTextBox.Text.ToUpper = "CA" Then

TaxDecimal = SubTotalDecimal \* TaxRateDecimal

End If

'Calculates Shipping and handling and Total Due

ShippingDecimal = BoxWeightDecimal \* ShippingRateDecimal

ShippingandHandlingDecimal = ShippingDecimal + HandlingDecimal

TotalDueDecimal = ShippingandHandlingDecimal + TaxDecimal + SubTotalDecimal

'Displays Results

TaxLabel.Text = TaxDecimal.ToString("N")

ShippingandHandlingLabel.Text = ShippingandHandlingDecimal.ToString("N")

TotalDueLabel.Text = TotalDueDecimal.ToString("C")

'Adjusts Buttons and Menu strip

AddItemButton.Enabled = False

AddItemToolStripMenuItem.Enabled = False

NewOrderButton.Enabled = True

NewOrderToolStripMenuItem.Enabled = True

NextItemButton.Enabled = False

NextItemToolStripMenuItem.Enabled = False

FinishOrderButton.Enabled = True

FinishOrderToolStripMenuItem.Enabled = True

End If

End Sub

Private Sub NewOrderButton\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles NewOrderButton.Click

'Calls Next Button code

Call NextItemButton\_Click(sender, e)

ShippingInfoGroupBox.Enabled = True

'Puts focus on name text box and resets the entire form

With NameTextBox

.Text = ""

.Focus()

End With

AddressTextBox.Text = ""

CityTextBox.Text = ""

StateTextBox.Text = ""

ZipCodeTextBox.Text = ""

SubTotalLabel.Text = ""

TaxLabel.Text = ""

ShippingandHandlingLabel.Text = ""

TotalDueLabel.Text = ""

'Resets modular variables

BoxWeightDecimal = 0

SubTotalDecimal = 0

ShippingandHandlingDecimal = 0

TaxDecimal = 0

TotalDueDecimal = 0

End Sub

Private Sub AddItemToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles AddItemToolStripMenuItem.Click

'Calls AddItemButton code

Call AddItemButton\_Click(sender, e)

End Sub

Private Sub NextItemToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles NextItemToolStripMenuItem.Click

'Calls NextButton code

Call NextItemButton\_Click(sender, e)

End Sub

Private Sub FinishOrderToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles FinishOrderToolStripMenuItem.Click

'Calls FinishOrderButtton code

Call FinishOrderButton\_Click(sender, e)

End Sub

Private Sub NewOrderToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles NewOrderToolStripMenuItem.Click

'Calls NewOrderButton code

Call NewOrderButton\_Click(sender, e)

End Sub

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

'Exits the program

End

End Sub

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

'Shows About box

AboutBox1.Show()

End Sub

Private Sub PrintFormToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles PrintFormToolStripMenuItem.Click

'Prints form

PrintForm1.PrintAction = Printing.PrintAction.PrintToPreview

PrintForm1.Print()

End Sub

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

'Shows color dialog box and changes the calculated labels, buttons, and programmer name color

With ColorDialog1

.ShowDialog()

Me.ForeColor = .Color

FileToolStripMenuItem.ForeColor = .Color

EditToolStripMenuItem.ForeColor = .Color

HelpToolStripMenuItem.ForeColor = .Color

ShippingInfoGroupBox.ForeColor = .Color

ProductDataGroupBox.ForeColor = .Color

End With

End Sub

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

'Shows font dialog box and changes the font of the entire form

With FontDialog1

.ShowDialog()

Me.Font = .Font

FileToolStripMenuItem.Font = .Font

EditToolStripMenuItem.Font = .Font

HelpToolStripMenuItem.Font = .Font

End With

End Sub

Private Sub PrintDocument1\_PrintPage(ByVal sender As System.Object, ByVal e As System.Drawing.Printing.PrintPageEventArgs) Handles PrintDocument1.PrintPage

'Handles Book Info Print preview

Dim HeaderFont As New Font("Arial", 43, FontStyle.Bold)

Dim RegularFont As New Font("Arial", 12)

Dim LineHeightSingle As Single = RegularFont.GetHeight + 2

Dim HorizontalPrintLoctaionSingle As Single = e.MarginBounds.Left

Dim EndingHorizontalPrintLocationSingle As Single = 750

Dim WhatLineImOnSingle As Single = e.MarginBounds.Top

Dim PrintString As String

Dim FormattedOutputString As String

Dim FontSizeF As New SizeF

Dim ColumnStartSingle As Single

'Shows page title

PrintString = "Total Cost Summary"

e.Graphics.DrawString(PrintString, HeaderFont,

Brushes.Black, 115, WhatLineImOnSingle)

WhatLineImOnSingle = WhatLineImOnSingle + LineHeightSingle \* 5

'Next line

PrintString = "Sub Total"

e.Graphics.DrawString(PrintString, RegularFont,

Brushes.Black, HorizontalPrintLoctaionSingle, WhatLineImOnSingle)

FormattedOutputString = SubTotalDecimal.ToString("C")

FontSizeF = e.Graphics.MeasureString(FormattedOutputString, RegularFont)

ColumnStartSingle = EndingHorizontalPrintLocationSingle - FontSizeF.Width

e.Graphics.DrawString(FormattedOutputString, RegularFont,

Brushes.Black, ColumnStartSingle, WhatLineImOnSingle)

WhatLineImOnSingle = WhatLineImOnSingle + LineHeightSingle

'Next line

PrintString = "Tax Amount"

e.Graphics.DrawString(PrintString, RegularFont,

Brushes.Black, HorizontalPrintLoctaionSingle, WhatLineImOnSingle)

FormattedOutputString = TaxDecimal.ToString("N")

FontSizeF = e.Graphics.MeasureString(FormattedOutputString, RegularFont)

ColumnStartSingle = EndingHorizontalPrintLocationSingle - FontSizeF.Width

e.Graphics.DrawString(FormattedOutputString, RegularFont,

Brushes.Black, ColumnStartSingle, WhatLineImOnSingle)

WhatLineImOnSingle = WhatLineImOnSingle + LineHeightSingle

'Next line

PrintString = "Shipping and Handling"

e.Graphics.DrawString(PrintString, RegularFont,

Brushes.Black, HorizontalPrintLoctaionSingle, WhatLineImOnSingle)

FormattedOutputString = ShippingandHandlingDecimal.ToString("N")

FontSizeF = e.Graphics.MeasureString(FormattedOutputString, RegularFont)

ColumnStartSingle = EndingHorizontalPrintLocationSingle - FontSizeF.Width

e.Graphics.DrawString(FormattedOutputString, RegularFont,

Brushes.Black, ColumnStartSingle, WhatLineImOnSingle)

WhatLineImOnSingle = WhatLineImOnSingle + LineHeightSingle \* 2

'Next line

PrintString = "Total Amount Due"

e.Graphics.DrawString(PrintString, RegularFont,

Brushes.Black, HorizontalPrintLoctaionSingle, WhatLineImOnSingle)

FormattedOutputString = TotalDueDecimal.ToString("C")

FontSizeF = e.Graphics.MeasureString(FormattedOutputString, RegularFont)

ColumnStartSingle = EndingHorizontalPrintLocationSingle - FontSizeF.Width

e.Graphics.DrawString(FormattedOutputString, RegularFont,

Brushes.Black, ColumnStartSingle, WhatLineImOnSingle)

WhatLineImOnSingle = WhatLineImOnSingle + LineHeightSingle \* 8

'Next line

PrintString = "Programmed By: Daniel Delgado Acosta"

e.Graphics.DrawString(PrintString, RegularFont,

Brushes.Black, HorizontalPrintLoctaionSingle, WhatLineImOnSingle)

End Sub

Private Sub PrintSummaryToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles PrintSummaryToolStripMenuItem.Click

'Shows total cost summary preview

PrintPreviewDialog1.Document = PrintDocument1

PrintPreviewDialog1.ShowDialog()

End Sub

End Class