Case One

The Downtown Department Store

19 February 2015

Developers

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Main Form

Shipping Form

Publication

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Additional Charges Form

Monogramming Form

Singing Telegram Form

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Natalie Wright

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Additional Charges Form

ADD MONOGRAMMING, GIFT WRAPPING, OR SEND A TELEGRAM:

[Add a Monogram]

[Add a Telegram]

[Add Gift Wrapping]

Monogramming: $25.00

Telegram Costs: $0.00

Wrapping Costs: $5.95

_____

Total Cost: $30.95

[Clear] [Compute Total] [Return to Main Form]

Monogramming Form

Monogramming

Would you like to add a Monogram? Cost is $5 per letter.

◉ Yes   ○ No

What letters?
(Maximum - 3)

☑ Item #1: AA   [Total]
☑ Item #2: AAA
☐ Item #3: [   ] $25.00

[Return to Additional Charges Screen]

Telegrams Form

Singing Telegram

Would you like to purchase a singing telegram?

○ Yes   ◉ No

☐ Birthday Telegram ($19.95)
☐ Anniversary Telegram ($22.95)
☐ Christmas Telegram ($24.95)
☐ Valentines's Day Telegram ($29.95)

[Compute Total] [   ]

[Return to Additional Charges Screen]

Wrapping Form

Gift Wrapping

Would you like to purchse gift wrapping?

◉ Yes   ○ No

◉ Simple Box and Bow ($5.95)
○ Standard Wrap ($7.95)
○ Special Christmas Wrap ($10.95)
○ Happy Anniversary Wrap ($19.95)
○ Custom Wrap ($29.95)

[Total] $5.95

[Return To Additional Charges Screen]

Broadway Shows Form

Broadway Comes to Visual Basic

Name of Show	Qty	Extension
☑ The Wizard of Visual Basic (29.95)	2	59.90
☐ The MS Mouse in the House (37.95)		
☐ VB for Me!!! (49.95)		
☑ Justin Bieber does Visual Basic (29.95)	4	119.80
☑ Blues in the (VB) Projects (42.95)	2	85.90

☐ Check here for a 5% senior discount

Subtotal:	265.60
Less Discounts:	
Plus Service Fees:	20.00
Total Costs:	285.60
Tax (7.35%):	20.99
Grand Total:	306.59

[Compute Total] [Return to Main Form] [Quit]

Main Form

Downtown Department Store

Customer Name: Ana Anderson
Street Address: 3574 Second Street
City, State, Zip: Reno NV 32578
Cell Phone Number: (123) 456 - 7890

Amount of Purchase	$500.00
Shipping Cost	$52.85
Additional Charges	$30.95
Broadway Shows	$306.59
Total	$890.39

[Shipping Charges] [Clear All]
[Additional Charges] [Print Invoice]
[Broadway Shows] [Print Preview]
[Compute Total] [About Project]
[Quit]

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Downtown Department Store Invoice

Customer Name: Ana Anderson

Street Address: 3574 Second Street

City: Reno

State, Zip Code: NV, 32578

Amount of Purchase: 500.00

Shipping Costs: 52.85

Additional Charges:

     Monogramming: 25.00

     Telegram: 0.00

     Gift Wrapping: 5.95

Total Additional Charges: 30.95

Broadway Show Tickets: 306.59

Grand Total: 890.39

Set Two – Bob Branson

Main Form

Downtown Department Store

Customer Name: Bob Branson

Street Address: 1348 First Street

City, State, Zip: Reno   NV   98732

Cell Phone Number: (123) 456 - 7890

Amount of Purchase   100

Shipping Charges

Clear All

Additional Charges

Print Invoice

Broadway Shows

Print Preview

Compute Total

About Project

Quit

Shipping Form

Compute Your Shipping Charges Here

Purchase Amount: 100

Your package is insured for $500.00.

Shipping Choices:
- ○ UPS ($18.95)
- ◉ USPS Priority Mail ($19.95)
- ○ Federal Express ($32.55)
- ○ DHL (International) ($49.95)

Clear

Compute Total

Shipping Cost: $19.95

Delivery Cost: $61.85

Total Shipping Charges: $81.80

Delivery Options:
- ☑ Overnight ($23.95)
- ☑ Saturday Delivery ($12.95)
- ☑ Insurance (3% of Declared Value)
- ☑ Signature Required ($9.95)

Return to Main Form

Additional Charges Form

ADD MONOGRAMMING, GIFT WRAPPING, OR SEND A TELEGRAM:

Add a Monogram

Add a Telegram

Add Gift Wrapping

Monogramming: $30.00

Telegram Costs: $44.90

Wrapping Costs: $7.95

_____

Total Cost: $82.85

Clear   **Compute Total**   **Return to Main Form**

Monogramming Form

Monogramming

Would you like to add a Monogram? Cost is $5 per letter.

◉ Yes   ○ No

What letters?
(Maximum - 3)

☑ Item #1:   B   **Total**
☑ Item #2:   BB
☑ Item #3:   BBB $30.00

Return to Additional Charges Screen

Telegrams Form

Singing Telegram

Would you like to purchase a singing telegram?

◉ Yes   ○ No

☑ Birthday Telegram ($19.95)
☐ Anniversary Telegram ($22.95)
☑ Christmas Telegram ($24.95)
☐ Valentines's Day Telegram ($29.95)

Compute Total $44.90

Return to Additional Charges Screen

Wrapping Form

Gift Wrapping

Would you like to purchse gift wrapping?

◉ Yes   ○ No

○ Simple Box and Bow ($5.95)
◉ Standard Wrap ($7.95)
○ Special Christmas Wrap ($10.95)
○ Happy Anniversary Wrap ($19.95)
○ Custom Wrap ($29.95)

Total $7.95

Return To Additional Charges Screen

Broadway Shows Form

Broadway Comes to Visual Basic

Name of Show	Qty	Extension
☑ The Wizard of Visual Basic (29.95)	1	29.95
☑ The MS Mouse in the House (37.95)	1	37.95
☑ VB for Me!!! (49.95)	1	49.95
☑ Justin Bieber does Visual Basic (29.95)	1	29.95
☑ Blues in the (VB) Projects (42.95)	1	42.95

☑ Check here for a 5% senior discount

Subtotal:	190.75
Less Discounts:	28.61
Plus Service Fees:	12.50
Total Costs:	174.64
Tax (7.35%) :	12.84
Grand Total:	187.48

Compute Total   **Return to Main Form**   **Quit**

Main Form

Downtown Department Store

Customer Name: Bob Branson

Street Address: 1348 First Street

City, State, Zip: Reno   NV   98732

Cell Phone Number: (123) 456 - 7890

Amount of Purchase	$100.00
Shipping Cost	$81.80
Additional Charges	$82.85
Broadway Shows	$187.48
Total	$452.13

Shipping Charges   **Clear All**

Additional Charges   **Print Invoice**

Broadway Shows   **Print Preview**

Compute Total   **About Project**

Quit

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Downtown Department Store Invoice

Customer Name:	Bob Branson
Street Address:	1348 First Street
City:	Reno
State, Zip Code:	NV, 98732

Amount of Purchase:		100.00
Shipping Costs:		81.80
Additional Charges:		
Monogramming:	30.00	
Telegram:	44.90	
Gift Wrapping:	7.95	
Total Additional Charges:		82.85
Broadway Show Tickets:		187.48
Grand Total:		452.13

Set Three – Carla Crowley

Additional Charges Form

ADD MONOGRAMMING, GIFT WRAPPING, OR SEND A TELEGRAM:

[Add a Monogram]

[Add a Telegram]

[Add Gift Wrapping]

Monogramming: $0.00

Telegram Costs: $74.85

Wrapping Costs: $10.95

_____

Total Cost: $85.80

[Clear] [Compute Total] [Return to Main Form]

Monogramming Form

Monogramming

Would you like to add a Monogram? Cost is $5 per letter.

○ Yes   ● No

What letters?
(Maximum - 3)

☐ Item #1: [_____]   [Total]
☐ Item #2: [_____]
☐ Item #3: [_____]   [_____]

[Return to Additional Charges Screen]

Telegrams Form

Singing Telegram

Would you like to purchase a singing telegram?

● Yes   ○ No

☑ Birthday Telegram ($19.95)
☐ Anniversary Telegram ($22.95)
☑ Christmas Telegram ($24.95)
☑ Valentines's Day Telegram ($29.95)

[Compute Total] $74.85

[Return to Additional Charges Screen]

Wrapping Form

Gift Wrapping

Would you like to purchse gift wrapping?

● Yes   ○ No

○ Simple Box and Bow ($5.95)
○ Standard Wrap ($7.95)
● Special Christmas Wrap ($10.95)
○ Happy Anniversary Wrap ($19.95)
○ Custom Wrap ($29.95)

[Total] $10.95

[Return To Additional Charges Screen]

Broadway Shows Form

Broadway Comes to Visual Basic

Name of Show	Qty	Extension
☑ The Wizard of Visual Basic (29.95)	2	59.90
☑ The MS Mouse in the House (37.95)	2	75.90
☑ VB for Me!!! (49.95)	2	99.90
☐ Justin Bieber does Visual Basic (29.95)		
☑ Blues in the (VB) Projects (42.95)	2	85.90

☑ Check here for a 5% senior discount

Subtotal:	321.60
Less Discounts:	16.08
Plus Service Fees:	20.00
Total Costs:	325.52
Tax (7.35%) :	23.93
Grand Total:	349.45

[Compute Total] [Return to Main Form] [Quit]

Main Form

Downtown Department Store

Customer Name: Carla Crowley
Street Address: 4563 Seventh Street
City, State, Zip: Reno   NV   35679
Cell Phone Number: (123) 456 - 7890

Amount of Purchase	$250.00
Shipping Cost	$53.00
Additional Charges	$85.80
Broadway Shows	$349.45
Total	$738.25

[Shipping Charges] [Clear All]
[Additional Charges] [Print Invoice]
[Broadway Shows] [Print Preview]
[Compute Total] [About Project]
[Quit]

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Downtown Department Store Invoice

Customer Name:	Carla Crowley
Street Address:	4563 Seventh Street
City:	Reno
State, Zip Code:	NV, 35679

Amount of Purchase:	250.00
Shipping Costs:	53.00
Additional Charges:	
Monogramming:	0.00
Telegram:	74.85
Gift Wrapping:	10.95
Total Additional Charges:	85.80
Broadway Show Tickets:	349.45
Grand Total:	738.25

Set Four – Diane Donaldson

Main Form

Downtown Department Store

Customer Name: Diane Donaldson

Street Address: 7358 Fifth Street

City, State, Zip: Reno   NV   09245

Cell Phone Number: (123) 456 - 7890

Amount of Purchase   1000

Shipping Charges

Clear All

Additional Charges

Print Invoice

Broadway Shows

Print Preview

Compute Total

About Project

Quit

Shipping Form

Compute Your Shipping Charges Here

Purchase Amount: 1000

Your package is insured for $1,500.00.

Shipping Choices:
- ○ UPS ($18.95)
- ○ USPS Priority Mail ($19.95)
- ○ Federal Express ($32.55)
- ● DHL (International) ($49.95)

Shipping Cost: $49.95

Delivery Cost: $78.90

Total Shipping Charges: $128.85

Delivery Options:
- ☑ Overnight ($23.95)
- ☐ Saturday Delivery ($12.95)
- ☑ Insurance (3% of Declared Value)
- ☑ Signature Required ($9.95)

Clear

Compute Total

Return to Main Form

Additional Charges Form

ADD MONOGRAMMING, GIFT WRAPPING, OR SEND A TELEGRAM:

[Add a Monogram]

Monogramming: $25.00

[Add a Telegram]

Telegram Costs: $22.95

Wrapping Costs: $19.95

[Add Gift Wrapping]

Total Cost: $67.90

[Clear] [Compute Total] [Return to Main Form]

Monogramming Form

Monogramming

Would you like to add a Monogram? Cost is $5 per letter.

◉ Yes   ○ No

What letters?
(Maximum - 3)

☑ Item #1: DD   [Total]

☑ Item #2: DDD

☐ Item #3: [   ] $25.00

[Return to Additional Charges Screen]

Telegrams Form

Singing Telegram

Would you like to purchase a singing telegram?

◉ Yes   ○ No

☐ Birthday Telegram ($19.95)

☑ Anniversary Telegram ($22.95)

☐ Christmas Telegram ($24.95)

☐ Valentines's Day Telegram ($29.95)

[Compute Total] $22.95

[Return to Additional Charges Screen]

Wrapping Form

Gift Wrapping

Would you like to purchse gift wrapping?

◉ Yes   ○ No

○ Simple Box and Bow ($5.95)

○ Standard Wrap ($7.95)

○ Special Christmas Wrap ($10.95)

◉ Happy Anniversary Wrap ($19.95)

○ Custom Wrap ($29.95)

[Total] $19.95

[Return To Additional Charges Screen]

Broadway Shows Form

Broadway Comes to Visual Basic

Name of Show	Qty	Extension
☑ The Wizard of Visual Basic (29.95)	3	89.85
☑ The MS Mouse in the House (37.95)	3	113.85
☑ VB for Me!!! (49.95)	2	99.90
☑ Justin Bieber does Visual Basic (29.95)	4	119.80
☑ Blues in the (VB) Projects (42.95)	2	85.90

☑ **Check here for a 5% senior discount**

Subtotal:	509.30
Less Discounts:	76.40
Plus Service Fees:	35.00
Total Costs:	467.90
Tax (7.35%) :	34.39
Grand Total:	502.29

[Compute Total]   [Return to Main Form]   [Quit]

Main Form

Downtown Department Store

Customer Name: Diane Donaldson

Street Address: 7358 Fifth Street

City, State, Zip: Reno   NV   09245

Cell Phone Number: (123) 456 - 7890

Amount of Purchase	$1,000.00
Shipping Cost	$128.85
Additional Charges	$67.90
Broadway Shows	$502.29
Total	$1,699.04

[Shipping Charges]   [Clear All]

[Additional Charges]   [Print Invoice]

[Broadway Shows]   [Print Preview]

[Compute Total]   [About Project]

[Quit]

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Downtown Department Store Invoice

Customer Name: Diane Donaldson

Street Address: 7358 Fifth Street

City: Reno

State, Zip Code: NV, 09245

Amount of Purchase: 1,000.00

Shipping Costs: 128.85

Additional Charges:

    Monogramming: 25.00

    Telegram: 22.95

    Gift Wrapping: 19.95

Total Additional Charges: 67.90

Broadway Show Tickets: 502.29

Grand Total: 1,699.04

Part B – Technical Documentation

Module & Main Form

Password Attempt One

Please provide your password.

[OK]
[Cancel]

Password Attempt Two

Please provide your password.

[OK]
[Cancel]

Password Attempt Three

Please provide your password.

[OK]
[Cancel]

Termination

❌ Entered the wrong password too many times!

[OK]

Main Form

Downtown Department Store

Customer Name: |
Street Address:
City, State, Zip:
Cell Phone Number:

Amount of Purchase

[Shipping Charges] [Clear All]
[Additional Charges] [Print Invoice]
[Broadway Shows] [Print Preview]

Main Form

Downtown Department Store

Customer Name: Mark G. Simkin
Street Address: 1234 Main Street
City, State, Zip: Reno   NV   12345
Cell Phone Number: (123) 456 - 7890

Amount of Purchase   100

[Shipping Charges] [Clear All]
[Additional Charges] [Print Invoice]
[Broadway Shows] [Print Preview]
[Compute Total] [About Project]
[Quit]

```vb
Module modMain


    'Declare global variables.
    Public Name, Address, City, StateZip As String
    Public PurchaseAmount, TotalShippingCharges, TotalAdditionalCharges, TotalBroadwayShows, GrandTotal As Single
    Public Insurance As String
    Public ShippingCost, DeliveryCost As Single
    Public monogrammingsum, telegramssum, wrappingsum As Single



End Module




Public Class frmMain


    Private Sub frmMain_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        'Test for valid password when main form loads. User gets three attempts.
        Dim Password As String
        Dim attempts As Single = 0
        While attempts < 5
            attempts += 1
            If attempts = 1 Then
                Password = InputBox("Please provide your password.", "Password Attempt One")
                If Password.ToLower = "a" Then
                    attempts = 5
                ElseIf Password = "" Then
                    MsgBox("No Password Found.", MsgBoxStyle.Information, "Error")
                End If
            ElseIf attempts = 2 Then
                Password = InputBox("Please provide your password.", "Password Attempt Two")
                If Password.ToLower = "a" Then
                    attempts = 5
                ElseIf Password = "" Then
                    MsgBox("No Password Found.", MsgBoxStyle.Information, "Error")
                End If
            ElseIf attempts = 3 Then
                Password = InputBox("Please provide your password.", "Password Attempt Three")
                If Password.ToLower = "a" Then
                    attempts = 5
                ElseIf Password = "" Then
                    MsgBox("No Password Found.", MsgBoxStyle.Information, "Error")
                End If
            ElseIf attempts = 4 Then
                MsgBox("Entered the wrong password too many times!", MsgBoxStyle.Critical, "Termination")
                Me.Close()
            End If
        End While
    End Sub
```

```vb
Private Sub btnClearAll_Click(sender As Object, e As EventArgs) Handles btnClearAll.Click
    'Clear all fields.
    txtName.Clear()
    txtAddress.Clear()
    txtCity.Clear()
    txtState.Clear()
    txtZip.Clear()
    txtPhone.Clear()
    txtPurchaseAmount.Clear()
    txtShippingCost.Clear()
    txtAdditionalCharges.Clear()
    txtBroadwayShows.Clear()
    txtGrandTotal.Clear()
End Sub


Private Sub btnComputeTotal_Click(sender As Object, e As EventArgs) Handles btnComputeTotal.Click
    'Display labels and textboxes.
    lblShippingCost.Visible = True
    txtShippingCost.Visible = True
    lblAdditionalCharges.Visible = True
    txtAdditionalCharges.Visible = True
    lblBroadwayShows.Visible = True
    txtBroadwayShows.Visible = True
    lblSpace.Visible = True
    lblGrandTotal.Visible = True
    txtGrandTotal.Visible = True
    'Compute GrandTotal.
    GrandTotal = PurchaseAmount + TotalShippingCharges + TotalAdditionalCharges + TotalBroadwayShows
    'Format totals as currency.
    txtPurchaseAmount.Text = FormatCurrency(PurchaseAmount)
    txtShippingCost.Text = FormatCurrency(TotalShippingCharges)
    txtAdditionalCharges.Text = FormatCurrency(TotalAdditionalCharges)
    txtBroadwayShows.Text = FormatCurrency(TotalBroadwayShows)
    txtGrandTotal.Text = FormatCurrency(GrandTotal)
End Sub


Private Sub btnAbout_Click(sender As Object, e As EventArgs) Handles btnAbout.Click
    'Show about form.
    frmAbout.ShowDialog()
End Sub


Private Sub btnQuit_Click(sender As Object, e As EventArgs) Handles btnQuit.Click
    'Close the form after user ensures they wanted to quit.
    If MsgBox("Are you sure you want to quit?", MsgBoxStyle.YesNo, "Quit Confirmation") = MsgBoxResult.Yes Then
        Me.Close()
    End If
End Sub
```

```vb
Private Sub btnShippingCharges_Click(sender As Object, e As EventArgs) Handles btnShippingCharges.Click
    'Test input boxes for valid content.
    If txtName.Text = "" Then
        MsgBox("No Customer Name Found.", MsgBoxStyle.Information, "Error")
        txtName.Focus()
        Exit Sub
    ElseIf txtAddress.Text = "" Then
        MsgBox("No Street Address Found.", MsgBoxStyle.Information, "Error")
        txtAddress.Focus()
        Exit Sub
    ElseIf txtCity.Text = "" Then
        MsgBox("No City Found.", MsgBoxStyle.Information, "Error")
        txtCity.Focus()
        Exit Sub
    ElseIf txtState.Text = "" Then
        MsgBox("No State Found.", MsgBoxStyle.Information, "Error")
        txtState.Focus()
        Exit Sub
    ElseIf txtZip.Text = "" Then
        MsgBox("No Zip Found.", MsgBoxStyle.Information, "Error")
        txtZip.Focus()
        Exit Sub
    ElseIf IsNumeric(txtZip.Text) = False Then
        MsgBox("Zip must be numeric.", MsgBoxStyle.Information, "Error")
        txtZip.Focus()
        Exit Sub
    ElseIf txtZip.Text Like "#####" = False Then
        MsgBox("Zip must be like 00000.", MsgBoxStyle.Information, "Error")
        txtZip.Focus()
        Exit Sub
    ElseIf txtPhone.Text = "" Then
        MsgBox("No Phone Number Found.", MsgBoxStyle.Information, "Error")
        txtPhone.Focus()
        Exit Sub
    ElseIf txtPurchaseAmount.Text = "" Then
        MsgBox("No Purchase Amount Found.", MsgBoxStyle.Information, "Error")
        txtPurchaseAmount.Focus()
        Exit Sub
    ElseIf IsNumeric(txtPurchaseAmount.Text) = False Then
        MsgBox("Purchase Amount must be numeric.", MsgBoxStyle.Information, "Error")
        txtPurchaseAmount.Focus()
        Exit Sub
    End If
    'Save purchase amount as global variable.
    PurchaseAmount = txtPurchaseAmount.Text
    'Show shipping form.
    frmShip.ShowDialog()
    'Display global variable.
    txtShippingCost.Text = TotalShippingCharges
    lblShippingCost.Visible = True
    txtShippingCost.Visible = True
End Sub
```

```vb
Private Sub btnAdditionalCharges_Click(sender As Object, e As EventArgs) Handles btnAdditionalCharges.Click
    'Test input boxes for valid content.
    If txtName.Text = "" Then
        MsgBox("No Customer Name Found.", MsgBoxStyle.Information, "Error")
        txtName.Focus()
        Exit Sub
    ElseIf txtAddress.Text = "" Then
        MsgBox("No Street Address Found.", MsgBoxStyle.Information, "Error")
        txtAddress.Focus()
        Exit Sub
    ElseIf txtCity.Text = "" Then
        MsgBox("No City Found.", MsgBoxStyle.Information, "Error")
        txtCity.Focus()
        Exit Sub
    ElseIf txtState.Text = "" Then
        MsgBox("No State Found.", MsgBoxStyle.Information, "Error")
        txtState.Focus()
        Exit Sub
    ElseIf txtZip.Text = "" Then
        MsgBox("No Zip Found.", MsgBoxStyle.Information, "Error")
        txtZip.Focus()
        Exit Sub
    ElseIf IsNumeric(txtZip.Text) = False Then
        MsgBox("Zip must be numeric.", MsgBoxStyle.Information, "Error")
        txtZip.Focus()
        Exit Sub
    ElseIf txtZip.Text Like "#####" = False Then
        MsgBox("Zip must be like 00000.", MsgBoxStyle.Information, "Error")
        txtZip.Focus()
        Exit Sub
    ElseIf txtPhone.Text = "" Then
        MsgBox("No Phone Number Found.", MsgBoxStyle.Information, "Error")
        txtPhone.Focus()
        Exit Sub
    ElseIf txtPurchaseAmount.Text = "" Then
        MsgBox("No Purchase Amount Found.", MsgBoxStyle.Information, "Error")
        txtPurchaseAmount.Focus()
        Exit Sub
    ElseIf IsNumeric(txtPurchaseAmount.Text) = False Then
        MsgBox("Purchase Amount must be numeric.", MsgBoxStyle.Information, "Error")
        txtPurchaseAmount.Focus()
        Exit Sub
    End If
    'Save purchase amount as global variable.
    PurchaseAmount = txtPurchaseAmount.Text
    'Show additional charges form.
    frmAdd.ShowDialog()
    'Display global variable.
    txtAdditionalCharges.Text = TotalAdditionalCharges
    lblAdditionalCharges.Visible = True
    txtAdditionalCharges.Visible = True
End Sub
```

```vb
Private Sub btnBroadwayShows_Click(sender As Object, e As EventArgs) Handles btnBroadwayShows.Click
    'Test input boxes for valid content.
    If txtName.Text = "" Then
        MsgBox("No Customer Name Found.", MsgBoxStyle.Information, "Error")
        txtName.Focus()
        Exit Sub
    ElseIf txtAddress.Text = "" Then
        MsgBox("No Street Address Found.", MsgBoxStyle.Information, "Error")
        txtAddress.Focus()
        Exit Sub
    ElseIf txtCity.Text = "" Then
        MsgBox("No City Found.", MsgBoxStyle.Information, "Error")
        txtCity.Focus()
        Exit Sub
    ElseIf txtState.Text = "" Then
        MsgBox("No State Found.", MsgBoxStyle.Information, "Error")
        txtState.Focus()
        Exit Sub
    ElseIf txtZip.Text = "" Then
        MsgBox("No Zip Found.", MsgBoxStyle.Information, "Error")
        txtZip.Focus()
        Exit Sub
    ElseIf IsNumeric(txtZip.Text) = False Then
        MsgBox("Zip must be numeric.", MsgBoxStyle.Information, "Error")
        txtZip.Focus()
        Exit Sub
    ElseIf txtZip.Text Like "#####" = False Then
        MsgBox("Zip must be like 00000.", MsgBoxStyle.Information, "Error")
        txtZip.Focus()
        Exit Sub
    ElseIf txtPhone.Text = "" Then
        MsgBox("No Phone Number Found.", MsgBoxStyle.Information, "Error")
        txtPhone.Focus()
        Exit Sub
    ElseIf txtPurchaseAmount.Text = "" Then
        MsgBox("No Purchase Amount Found.", MsgBoxStyle.Information, "Error")
        txtPurchaseAmount.Focus()
        Exit Sub
    ElseIf IsNumeric(txtPurchaseAmount.Text) = False Then
        MsgBox("Purchase Amount must be numeric.", MsgBoxStyle.Information, "Error")
        txtPurchaseAmount.Focus()
        Exit Sub
    End If
    'Save purchase amount as global variable.
    PurchaseAmount = txtPurchaseAmount.Text
    'Show broadway form.
    frmBroad.ShowDialog()
    'Display global variable.
    txtBroadwayShows.Text = TotalBroadwayShows
    lblBroadwayShows.Visible = True
    txtBroadwayShows.Visible = True
End Sub
```

```vb
Private Sub btnPrintInvoice_Click(sender As Object, e As EventArgs) Handles btnPrintInvoice.Click
    'Print Invoice.
    PrintInvoice.Print()
End Sub


Private Sub btnPrintPreview_Click(sender As Object, e As EventArgs) Handles btnPrintPreview.Click
    'Preview print invoice.
    PreviewInvoice.Document = PrintInvoice
    PreviewInvoice.ShowDialog()
End Sub


Private Sub PrintInvoice_PrintPage(sender As Object, e As Printing.PrintPageEventArgs) Handles
PrintInvoice.PrintPage
    'Set information variables
    Name = txtName.Text
    Address = txtAddress.Text
    City = txtCity.Text
    StateZip = txtState.Text & ", " & txtZip.Text
    'Declare and set printing variables.
    Dim g As Graphics = e.Graphics
    Dim x0 As Single = 50
    Dim x1 As Single = 275
    Dim x2 As Single = 100
    Dim x3 As Single = 325
    Dim x4 As Single = 250
    Dim y0 As Single = 50
    Dim y1 As Single = 25
    Dim y2 As Single = 50
    Dim y3 As Single = 5
    Dim h As New Font("Arial Black", 12, FontStyle.Underline)
    Dim b As New Font("Courier New", 10, FontStyle.Bold)
    Dim fmt As String = "{0,8:n2}"
    'Draw heading.
    g.DrawString("Downtown Department Store Invoice", h, Brushes.Black, x0, y0)
    y0 += y2
    'Draw customer information.
    g.DrawString("Customer Name:", b, Brushes.Black, x0, y0)
    g.DrawString(Name, b, Brushes.Black, x4, y0)
    y0 += y1
    g.DrawString("Street Address:", b, Brushes.Black, x0, y0)
    g.DrawString(Address, b, Brushes.Black, x4, y0)
    y0 += y1
    g.DrawString("City:", b, Brushes.Black, x0, y0)
    g.DrawString(City, b, Brushes.Black, x4, y0)
    y0 += y1
    g.DrawString("State, Zip Code:", b, Brushes.Black, x0, y0)
    g.DrawString(StateZip, b, Brushes.Black, x4, y0)
    y0 += y2
```
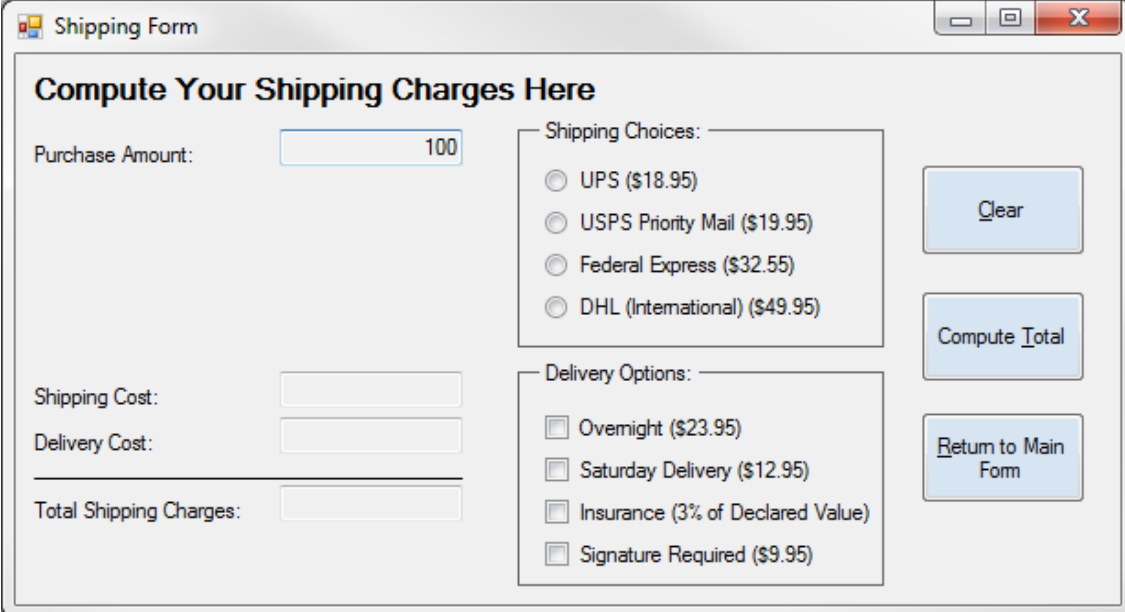
```vb
'Draw invoice amounts.
g.DrawString("Amount of Purchase:", b, Brushes.Black, x0, y0)
g.DrawString(String.Format(fmt, PurchaseAmount), b, Brushes.Black, x3, y0)
y0 += y1
g.DrawString("Shipping Costs:", b, Brushes.Black, x0, y0)
g.DrawString(String.Format(fmt, TotalShippingCharges), b, Brushes.Black, x3, y0)
y0 += y1
g.DrawString("Additional Charges:", b, Brushes.Black, x0, y0)
y0 += y1
g.DrawString("Monogramming:", b, Brushes.Black, x2, y0)
g.DrawString(String.Format(fmt, monogrammingsum), b, Brushes.Black, x1, y0)
y0 += y1
g.DrawString("Telegram:", b, Brushes.Black, x2, y0)
g.DrawString(String.Format(fmt, telegramssum), b, Brushes.Black, x1, y0)
y0 += y1
g.DrawString("Gift Wrapping:", b, Brushes.Black, x2, y0)
g.DrawString(String.Format(fmt, wrappingsum), b, Brushes.Black, x1, y0)
g.DrawString("_____", b, Brushes.Black, x1 + 20, y0 + y3)
y0 += y1
g.DrawString("Total Additional Charges:", b, Brushes.Black, x0, y0)
g.DrawString(String.Format(fmt, TotalAdditionalCharges), b, Brushes.Black, x3, y0)
y0 += y1
g.DrawString("Broadway Show Tickets:", b, Brushes.Black, x0, y0)
g.DrawString(String.Format(fmt, TotalBroadwayShows), b, Brushes.Black, x3, y0)
g.DrawString("_____", b, Brushes.Black, x3, y0 + y3)
y0 += y1
g.DrawString("Grand Total:", b, Brushes.Black, x0, y0)
g.DrawString(String.Format(fmt, GrandTotal), b, Brushes.Black, x3, y0)
End Sub


End Class
```

Shipping Form
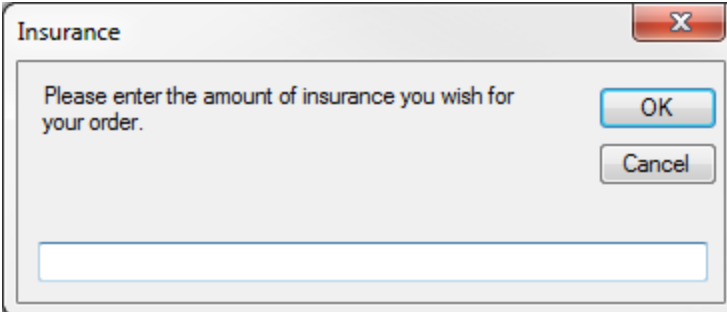
```vb
Public Class frmShip

    Private Sub frmShip_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        'Display purchase amount global variable locally.
        txtPurchaseAmount.Text = PurchaseAmount
    End Sub


    Private Sub btnClear_Click(sender As Object, e As EventArgs) Handles btnClear.Click
        'Clear all fields and local variables.
        rdoUPS.Checked = False
        rdoUSPS.Checked = False
        rdoFedEx.Checked = False
        rdoDHL.Checked = False
        chkOvernight.Checked = False
        chkSaturday.Checked = False
        chkSignature.Checked = False
        chkInsurance.Checked = False
        shippingCost = 0
        txtShippingCost.Clear()
        deliveryCost = 0
        txtDeliveryCost.Clear()
        txtTotalShippingCharges.Clear()
    End Sub


    Private Sub btnComputeTotal_Click(sender As Object, e As EventArgs) Handles btnComputeTotal.Click
        'Compute the total shipping costs.
        txtShippingCost.Text = FormatCurrency(ShippingCost)
        txtDeliveryCost.Text = FormatCurrency(DeliveryCost)
        TotalShippingCharges = ShippingCost + DeliveryCost
        txtTotalShippingCharges.Text = FormatCurrency(TotalShippingCharges)
    End Sub


    Private Sub btnReturn_Click(sender As Object, e As EventArgs) Handles btnReturn.Click
        'Save shipping charges as a global variable and then close.
        TotalShippingCharges = Math.Round(TotalShippingCharges, 2)
        Me.Close()
    End Sub
```

```vb
Private Sub rdoDHL_rdoFedEx_rdoUSPS_rdoUPS_CheckedChanged(sender As Object, e As EventArgs) Handles
rdoDHL.CheckedChanged, rdoFedEx.CheckedChanged, rdoUSPS.CheckedChanged, rdoUPS.CheckedChanged
    'Recalculate the shipping costs each time a radio button is clicked.
    txtShippingCost.Clear()
    ShippingCost = 0
    If rdoDHL.Checked Then
        ShippingCost = 49.95
    End If
    If rdoFedEx.Checked Then
        ShippingCost = 32.55
    End If
    If rdoUSPS.Checked Then
        ShippingCost = 19.95
    End If
    If rdoUPS.Checked Then
        ShippingCost = 18.95
    End If
    txtShippingCost.Text = ShippingCost
End Sub


Private Sub chkInsurance_CheckedChanged(sender As Object, e As EventArgs) Handles
chkInsurance.CheckedChanged
    'Check insurance and set the insurance variable.
    If chkInsurance.Checked Then
        Insurance = InputBox("Please enter the amount of insurance you wish for your order.", "Insurance")
        If Insurance = "" Then
            MsgBox("Insurance was not found.", MsgBoxStyle.Information, "Error")
            chkInsurance.Checked = False
            Exit Sub
        ElseIf IsNumeric(Insurance) = False Then
            MsgBox("Insurance is not numeric.", MsgBoxStyle.Information, "Error")
            chkInsurance.Checked = False
            Exit Sub
        ElseIf Insurance < 1 Or Insurance > 100000 Then
            MsgBox("Insurance must be between 1 and 100000.", MsgBoxStyle.Information, "Error")
            chkInsurance.Checked = False
            Exit Sub
        End If
        lblInsurance.Text = "Your package is insured for " & FormatCurrency(Insurance) & "."
        lblInsurance.Visible = True
    Else
        lblInsurance.Visible = False
        Insurance = 0
    End If
End Sub
```

```vb
Private Sub chkSignature_chkSaturday_chkOvernight_CheckedChanged(sender As Object, e As EventArgs) Handles
chkSignature.CheckedChanged, chkSaturday.CheckedChanged, chkInsurance.CheckedChanged,
chkOvernight.CheckedChanged
        'Recalculate the delivery costs each time a delivery option is clicked.
        txtDeliveryCost.Clear()
        DeliveryCost = 0
        If chkSignature.Checked Then
            DeliveryCost += 9.95
        End If
        If chkSaturday.Checked Then
            DeliveryCost += 12.95
        End If
        If chkInsurance.Checked Then
            DeliveryCost += Insurance * 0.03
        End If
        If chkOvernight.Checked Then
            DeliveryCost += 23.95
        End If
        txtDeliveryCost.Text = DeliveryCost
    End Sub


End Class
```

Additional Charges Form

```vb
Public Class frmAdd


    Private Sub btnMonogram_Click(sender As Object, e As EventArgs) Handles btnMonogram.Click
        'Show monogram form.
        frmMono.ShowDialog()
        txtBoxMono.Text = FormatCurrency(monogrammingsum)
    End Sub


    Private Sub btnTelegram_Click(sender As Object, e As EventArgs) Handles btnTelegram.Click
        'Show telegram form.
        frmTele.ShowDialog()
        txtBoxTele.Text = FormatCurrency(telegramssum)
    End Sub


    Private Sub btnWrapping_Click(sender As Object, e As EventArgs) Handles btnWrapping.Click
        'Show wrapping form.
        frmWrap.ShowDialog()
        txtBoxWrap.Text = FormatCurrency(wrappingsum)
    End Sub


    Private Sub btnClear_Click(sender As Object, e As EventArgs) Handles btnClear.Click
        'Clear all fields.
        txtBoxMono.Clear()
        txtBoxTele.Clear()
        txtBoxWrap.Clear()
        txtBoxTotalCost.Clear()
    End Sub


    Private Sub btnComputeTotal_Click(sender As Object, e As EventArgs) Handles btnComputeTotal.Click
        'Compute the total shipping costs and format as currency.
        TotalAdditionalCharges = monogrammingsum + telegramssum + wrappingsum
        txtBoxTotalCost.Text = FormatCurrency(TotalAdditionalCharges)
    End Sub


    Private Sub btnReturn_Click(sender As Object, e As EventArgs) Handles btnReturn.Click
        'Save additional charges as a global variable and then close.
        TotalAdditionalCharges = Math.Round(TotalAdditionalCharges, 2)
        Me.Close()
    End Sub


End Class
```
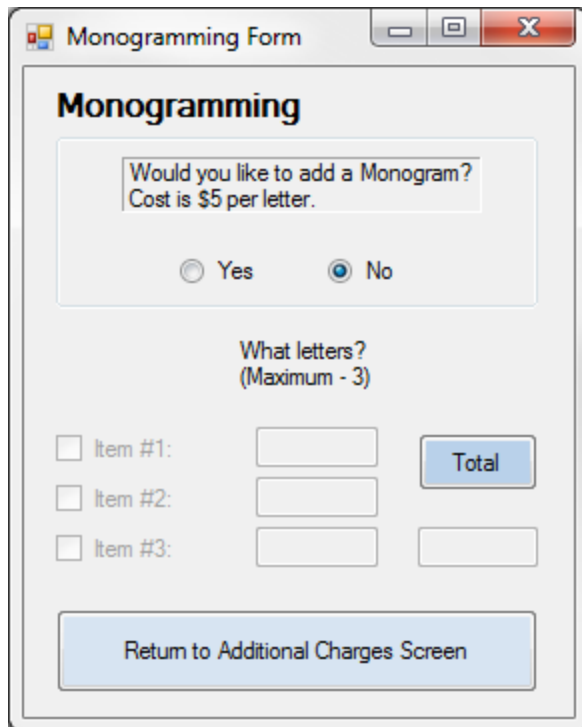
Monogramming Form
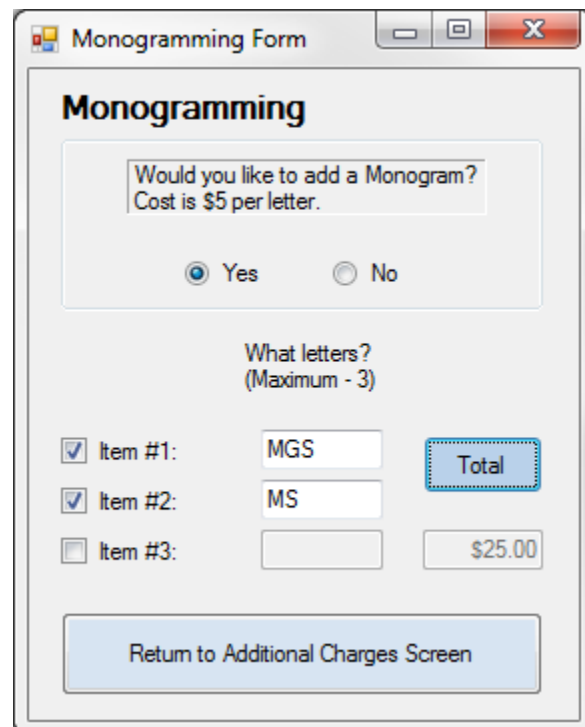
```vb
Public Class frmMono


    Private Sub Monogramming_Load_radButtonNo_CheckedChanged(sender As Object, e As EventArgs) Handles
MyBase.Load, radButtonNo.CheckedChanged
        'Disable checkboxes and textboxes.
        chkBox1.Enabled = False
        chkBox2.Enabled = False
        chkBox3.Enabled = False
        chkBox1.Checked = False
        txtBoxItem1.Enabled = False
        txtBoxItem2.Enabled = False
        txtBoxItem3.Enabled = False
        txtBoxMonogramming.Enabled = False
    End Sub


    Private Sub radButtonYes_CheckedChanged(sender As Object, e As EventArgs) Handles
radButtonYes.CheckedChanged
        'Enable the checkboxes and check the first checkbox.
        chkBox1.Enabled = True
        chkBox2.Enabled = True
        chkBox3.Enabled = True
        txtBoxItem1.Enabled = True
        chkBox1.Checked = True
    End Sub


    Private Sub chkBox2_CheckedChanged(sender As Object, e As EventArgs) Handles chkBox2.CheckedChanged
        'Enable textbox 2 when checkbox 2 is checked.
        txtBoxItem2.Enabled = True
    End Sub


    Private Sub chkBox3_CheckedChanged(sender As Object, e As EventArgs) Handles chkBox3.CheckedChanged
        'Enable textbox 3 when checkbox 3 is checked.
        txtBoxItem3.Enabled = True
    End Sub
```

```vb
Private Sub btnTotal_Click(sender As Object, e As EventArgs) Handles btnTotal.Click
    'Compute the total price based on each items length.
    Dim length1, price1 As Double
    Dim length2, price2 As Double
    Dim length3, price3 As Double
    If chkBox1.Checked Then
        'Test input box for valid content.
        If txtBoxItem1.Text = "" Then
            MsgBox("No Item #1 Monogram Found.", MsgBoxStyle.Information, "Error")
            txtBoxItem1.Focus()
            Exit Sub
        ElseIf txtBoxItem1.Text.Trim.Length <= 3 Then
            MsgBox("Item #1 Monogram is 3 or less characters.", MsgBoxStyle.Information, "Error")
        End If
        length1 = txtBoxItem1.Text.Trim.Length
        price1 = length1 * 5
    End If
    If chkBox2.Checked Then
        'Test input box for valid content.
        If txtBoxItem2.Text = "" Then
            MsgBox("No Item #2 Monogram Found.", MsgBoxStyle.Information, "Error")
            txtBoxItem2.Focus()
            Exit Sub
        ElseIf txtBoxItem2.Text.Trim.Length <= 3 Then
            MsgBox("Item #2 Monogram is 3 or less characters.", MsgBoxStyle.Information, "Error")
        End If
        length2 = txtBoxItem2.Text.Trim.Length
        price2 = length2 * 5
    End If
    If chkBox3.Checked Then
        'Test input box for valid content.
        If txtBoxItem3.Text = "" Then
            MsgBox("No Item #3 Monogram Found.", MsgBoxStyle.Information, "Error")
            txtBoxItem3.Focus()
            Exit Sub
        ElseIf txtBoxItem3.Text.Trim.Length <= 3 Then
            MsgBox("Item #3 Monogram is 3 or less characters.", MsgBoxStyle.Information, "Error")
        End If
        length3 = txtBoxItem3.Text.Trim.Length
        price3 = length3 * 5
    End If
    monogrammingsum = price1 + price2 + price3
    txtBoxMonogramming.Text = FormatCurrency(monogrammingsum)
End Sub


Private Sub btnReturn_Click(sender As Object, e As EventArgs) Handles btnReturn.Click
    'Save monogrammingsum as a global variable and close.
    monogrammingsum = Math.Round(monogrammingsum, 2)
    Me.Close()
End Sub


End Class
```
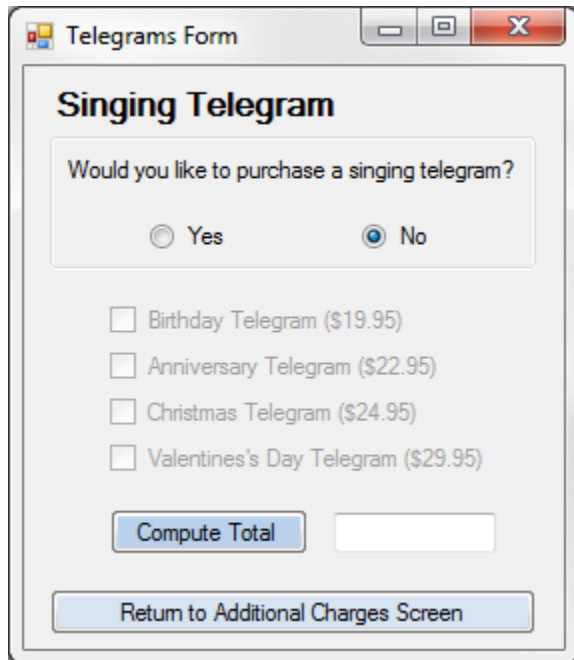
Telegram Form

```vb
Public Class frmTele

    Private Sub Telegrams_Load_radBtnNo_CheckedChanged(sender As Object, e As EventArgs) Handles
MyBase.Load, radBtnNo.CheckedChanged
        'Disable checkboxes.
        chkBoxAnniv.Enabled = False
        chkBoxBirth.Enabled = False
        chkBoxChrist.Enabled = False
        chkBoxValen.Enabled = False
    End Sub


    Private Sub radBtnYes_CheckedChanged(sender As Object, e As EventArgs) Handles radBtnYes.CheckedChanged
        'Enable checkboxes when yes button is clicked.
        chkBoxAnniv.Enabled = True
        chkBoxBirth.Enabled = True
        chkBoxChrist.Enabled = True
        chkBoxValen.Enabled = True
    End Sub


    Private Sub btnCmpt_Click(sender As Object, e As EventArgs) Handles btnCmpt.Click
        'Compute total cost.
        Dim Birth, Anniv, Christ, Valen As Double
        txtBoxResult.Clear()
        If chkBoxBirth.Checked Then
            Birth = 19.95
        End If
        If chkBoxAnniv.Checked Then
            Anniv = 22.95
        End If
        If chkBoxChrist.Checked Then
            Christ = 24.95
        End If
        If chkBoxValen.Checked Then
            Valen = 29.95
        End If
        telegramssum = Birth + Anniv + Christ + Valen
        txtBoxResult.Text = FormatCurrency(telegramssum)
    End Sub


    Private Sub chkBoxBirth_CheckedChanged(sender As Object, e As EventArgs) Handles
chkBoxBirth.CheckedChanged, chkBoxAnniv.CheckedChanged, chkBoxChrist.CheckedChanged,
chkBoxValen.CheckedChanged
        'Reset total cost when checkbox is checked.
        If chkBoxBirth.Checked = True Then txtBoxResult.Clear()
        If chkBoxAnniv.Checked = True Then txtBoxResult.Clear()
        If chkBoxChrist.Checked = True Then txtBoxResult.Clear()
        If chkBoxValen.Checked = True Then txtBoxResult.Clear()
        txtBoxResult.Text = "0"
    End Sub
```
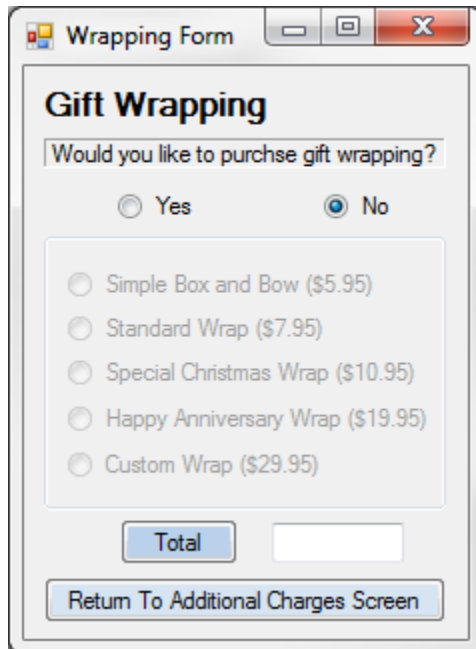
```vbnet
    Private Sub btnRetrn_Click(sender As Object, e As EventArgs) Handles btnRetrn.Click
        'Save telegrammssum as global variable and close.
        telegramssum = Math.Round(telegramssum, 2)
        Me.Close()
    End Sub


End Class
```

Gift Wrapping Form

```vb
Public Class frmWrap


    Private Sub Wrapping_Load_radButtonNo_CheckedChanged(sender As Object, e As EventArgs) Handles
MyBase.Load, radButtonNo.CheckedChanged
        'Disable radio buttons on load.
        radButton1.Enabled = False
        radButton2.Enabled = False
        radButton3.Enabled = False
        radButton4.Enabled = False
        radButton5.Enabled = False
    End Sub


    Private Sub radButtonYes_CheckedChanged(sender As Object, e As EventArgs) Handles
radButtonYes.CheckedChanged
        'Enable radio buttons when yes button is clicked.
        radButton1.Enabled = True
        radButton2.Enabled = True
        radButton3.Enabled = True
        radButton4.Enabled = True
        radButton5.Enabled = True
    End Sub


    Private Sub btnTotal_Click(sender As Object, e As EventArgs) Handles btnTotal.Click
        'Compute the total based on which radio button is checked.
        Dim z As Double
        If radButton1.Checked = True Then txtBoxResult.Text = 5.95
        If radButton2.Checked = True Then txtBoxResult.Text = 7.95
        If radButton3.Checked = True Then txtBoxResult.Text = 10.95
        If radButton4.Checked = True Then txtBoxResult.Text = 19.95
        If radButton5.Checked = True Then txtBoxResult.Text = 29.95
        z = txtBoxResult.Text
        txtBoxResult.Text = FormatCurrency(z)
    End Sub


    Private Sub radButton1_CheckedChanged(sender As Object, e As EventArgs) Handles
radButton1.CheckedChanged, radButton2.CheckedChanged, radButton3.CheckedChanged,
radButton4.CheckedChanged, radButton5.CheckedChanged
        'Clear the total each time a radio button is clicked.
        If radButton1.Checked = True Then txtBoxResult.Clear()
        If radButton2.Checked = True Then txtBoxResult.Clear()
        If radButton3.Checked = True Then txtBoxResult.Clear()
        If radButton4.Checked = True Then txtBoxResult.Clear()
        If radButton5.Checked = True Then txtBoxResult.Clear()
    End Sub
```

```vbnet
    Private Sub btnReturn_Click(sender As Object, e As EventArgs) Handles btnReturn.Click
        'Save wrappingsum as a global variable and close.
        wrappingsum = txtBoxResult.Text
        Me.Close()
    End Sub


End Class
```

Broadway Form

```vbnet
Public Class frmBroad


    Private Sub chkBox1_CheckedChanged(sender As Object, e As EventArgs) Handles chkBox1.CheckedChanged
        'If CheckBox 1 is checked then it becomes visible, if it is unchecked it is hidden.
        If chkBox1.Checked = True Then
            txtBoxQTY1.Visible = True
            txtBoxExtension1.Visible = True
        Else
            txtBoxQTY1.Visible = False
            txtBoxExtension1.Visible = False
            txtBoxQTY1.Clear()
            txtBoxExtension1.Clear()
        End If
    End Sub


    Private Sub btnQuit_Click(sender As Object, e As EventArgs) Handles btnQuit.Click
        'Close the form after user ensures they wanted to quit.
        If MsgBox("Are you sure you want to quit?", MsgBoxStyle.YesNo, "Quit Confirmation") = MsgBoxResult.Yes
Then
            Me.Close()
        End If
    End Sub


    Private Sub chkBox2_CheckedChanged(sender As Object, e As EventArgs) Handles chkBox2.CheckedChanged
        'If CheckBox 2 is checked then it becomes visible, if it is unchecked it is hidden.
        If chkBox2.Checked = True Then
            txtBoxQTY2.Visible = True
            txtBoxExtension2.Visible = True
        Else
            txtBoxQTY2.Visible = False
            txtBoxExtension2.Visible = False
            txtBoxQTY2.Clear()
            txtBoxExtension2.Clear()
        End If
    End Sub


    Private Sub chkBox3_CheckedChanged(sender As Object, e As EventArgs) Handles chkBox3.CheckedChanged
        'If CheckBox 3 is checked then it becomes visible, if it is unchecked it is hidden.
        If chkBox3.Checked = True Then
            txtBoxQTY3.Visible = True
            txtBoxExtension3.Visible = True
        Else
            txtBoxQTY3.Visible = False
            txtBoxExtension3.Visible = False
            txtBoxQTY3.Clear()
            txtBoxExtension3.Clear()
        End If
    End Sub
```

```vb
Private Sub chkBox4_CheckedChanged(sender As Object, e As EventArgs) Handles chkBox4.CheckedChanged
    'If CheckBox 4 is checked then it becomes visible, if it is unchecked it is hidden.
    If chkBox4.Checked = True Then
        txtBoxQTY4.Visible = True
        txtBoxExtension4.Visible = True
    Else
        txtBoxQTY4.Visible = False
        txtBoxExtension4.Visible = False
        txtBoxQTY4.Clear()
        txtBoxExtension4.Clear()
    End If
End Sub


Private Sub chkBox5_CheckedChanged(sender As Object, e As EventArgs) Handles chkBox5.CheckedChanged
    'If CheckBox 5 is checked then it becomes visible, if it is unchecked it is hidden.
    If chkBox5.Checked = True Then
        txtBoxQTY5.Visible = True
        txtBoxExtension5.Visible = True
    Else
        txtBoxExtension5.Visible = False
        txtBoxQTY5.Visible = False
        txtBoxQTY5.Clear()
        txtBoxExtension5.Clear()
    End If
End Sub


Private Sub btnComputeTotal_Click(sender As Object, e As EventArgs) Handles btnComputeTotal.Click
    'Calculates total price of tickets in extension box 1 by multiplying quantity times price.
    If chkBox1.Checked Then
        If IsNumeric(txtBoxQTY1.Text) = False Then
            MsgBox("Quantity must be a number.", , "Error")
            txtBoxQTY1.Clear()
            Exit Sub
        Else
            txtBoxExtension1.Text = FormatNumber(txtBoxQTY1.Text * 29.95)
        End If
    End If
    'Calculates total price of tickets in extension box 2 by multiplying quantity times price.
    If chkBox2.Checked Then
        If IsNumeric(txtBoxQTY2.Text) = False Then
            MsgBox("Quantity must be a number.", , "Error")
            txtBoxQTY2.Clear()
            Exit Sub
        Else
            txtBoxExtension2.Text = FormatNumber(txtBoxQTY2.Text * 37.95)
        End If
    End If
```

```vb
'Calculates total price of tickets in extension box 3 by multiplying quantity times price.
If chkBox3.Checked Then
    If IsNumeric(txtBoxQTY3.Text) = False Then
        MsgBox("Quantity must be a number.", , "Error")
        txtBoxQTY3.Clear()
        Exit Sub
    Else
        txtBoxExtension3.Text = FormatNumber(txtBoxQTY3.Text * 49.95)
    End If
End If
'Calculates total price of tickets in extension box 4 by multiplying quantity times price.
If chkBox4.Checked Then
    If IsNumeric(txtBoxQTY4.Text) = False Then
        MsgBox("Quantity must be a number.", , "Error")
        txtBoxQTY4.Clear()
        Exit Sub
    Else
        txtBoxExtension4.Text = FormatNumber(txtBoxQTY4.Text * 29.95)
    End If
End If
'Calculates total price of tickets in extension box 5 by multiplying quantity times price.
If chkBox5.Checked Then
    If IsNumeric(txtBoxQTY5.Text) = False Then
        MsgBox("Quantity must be a number.", , "Error")
        txtBoxQTY5.Clear()
        Exit Sub
    Else
        txtBoxExtension5.Text = FormatNumber(txtBoxQTY5.Text * 42.95)
    End If
End If
'Calculates total price of all tickets in Subtotal Textbox.
Dim total As Double
Dim x1 As Double = Val(txtBoxExtension1.Text)
Dim x2 As Double = Val(txtBoxExtension2.Text)
Dim x3 As Double = Val(txtBoxExtension3.Text)
Dim x4 As Double = Val(txtBoxExtension4.Text)
Dim x5 As Double = Val(txtBoxExtension5.Text)
total = x1 + x2 + x3 + x4 + x5
txtBoxSubtotal.Text = FormatNumber(total)
'Gives 10% discount if customer buys at least one of each ticket.
If IsNumeric(txtBoxQTY1.Text) = True And
  IsNumeric(txtBoxQTY2.Text) = True And
  IsNumeric(txtBoxQTY3.Text) = True And
  IsNumeric(txtBoxQTY4.Text) = True And
  IsNumeric(txtBoxQTY5.Text) = True Then
    txtBoxDiscounts.Text = (0.1 * txtBoxSubtotal.Text)
    MsgBox("You're entitled to the 10% discount!", , "Congratulations!")
Else : txtBoxDiscounts.Text = ""
End If
'Gives 5% Senior discount if checkbox is checked.
If chkBox6.Checked = True Then
    txtBoxDiscounts.Text = FormatNumber(0.05 * txtBoxSubtotal.Text)
Else
    txtBoxDiscounts.Clear()
End If
```

```vb
'Gives 15% discount if customer checks senior discount box and orders at least one of each ticket.
If IsNumeric(txtBoxQTY1.Text) = True And
    IsNumeric(txtBoxQTY2.Text) = True And
    IsNumeric(txtBoxQTY3.Text) = True And
    IsNumeric(txtBoxQTY4.Text) = True And
    IsNumeric(txtBoxQTY5.Text) = True And
    chkBox6.Checked = True Then
    txtBoxDiscounts.Text = FormatNumber(0.15 * txtBoxSubtotal.Text)
End If
'Gives 10% Discount if Senior Discount is unchecked and customer orders at least one of each ticket.
If chkBox6.Checked = False And
    IsNumeric(txtBoxQTY1.Text) = True And
    IsNumeric(txtBoxQTY2.Text) = True And
    IsNumeric(txtBoxQTY3.Text) = True And
    IsNumeric(txtBoxQTY4.Text) = True And
    IsNumeric(txtBoxQTY5.Text) = True Then
    txtBoxDiscounts.Text = FormatNumber(0.1 * txtBoxSubtotal.Text)
End If
'Adds service fees of $2.50 times quantity of tickets selected.
Dim boxQ1, boxQ2, boxQ3, boxQ4, boxQ5 As Double
boxQ1 = Val(txtBoxQTY1.Text)
boxQ2 = Val(txtBoxQTY2.Text)
boxQ3 = Val(txtBoxQTY3.Text)
boxQ4 = Val(txtBoxQTY4.Text)
boxQ5 = Val(txtBoxQTY5.Text)
txtBoxServiceFees.Text = FormatNumber((boxQ1 + boxQ2 + boxQ3 + boxQ4 + boxQ5) * 2.5)
'Total cost of tickets after adding service fees and subtracting discounts.
Dim y As Double = Val(txtBoxSubtotal.Text)
Dim z As Double = Val(txtBoxServiceFees.Text)
Dim q As Double = Val(txtBoxDiscounts.Text)
txtBoxTotalCost.Text = FormatNumber(y + (z - q))
'Calculates cost of tax at 7.35%.
Dim n As Double = Val(txtBoxTotalCost.Text)
txtBoxTax.Text = FormatNumber(0.0735 * n)
'Grand total is total costs plus tax.
Dim l As Double = Val(txtBoxTax.Text)
Dim o As Double = Val(txtBoxTotalCost.Text)
txtBoxGrandTotal.Text = FormatNumber(o + l)
TotalBroadwayShows = txtBoxGrandTotal.Text
End Sub


Private Sub btnReturn_Click(sender As Object, e As EventArgs) Handles btnReturn.Click
    'Alerts customer if they try to return to main form without having computed grand total.
    If IsNumeric(txtBoxGrandTotal.Text) = False Then
        MsgBox("Grand Total is blank!", , "Return")
    Else
        TotalBroadwayShows = Math.Round(TotalBroadwayShows, 2)
        Close()
    End If
End Sub
```

```vb
    Private Sub chkBox6_CheckedChanged(sender As Object, e As EventArgs) Handles chkBox6.CheckedChanged
        'Clears grand total textbox if senior discount is unchecked or checked after already being computed.
        If chkBox6.Checked = False Then
            txtBoxGrandTotal.Clear()
        End If
        If chkBox6.Checked = True Then
            txtBoxGrandTotal.Clear()
        End If
    End Sub


End Class
```

Part C – Enhancements

Enhancement 1 – Zip Code Validation

For our first enhancement, we decided to create and additional zip code validation. This validation tests if the zip code entered matches a string of five integers. If the test fails the user is notified that the zip code is not in the proper format and then the sub will terminate execution. The validation was inserted into the existing validation rules for the Shipping, Additional Charges, and Broadway Click events.
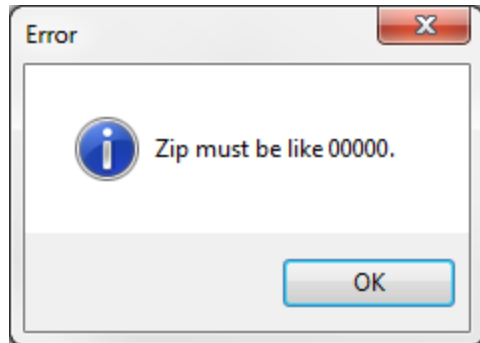

```
ElseIf txtZip.Text Like "#####" = False Then
    MsgBox("Zip must be like 00000.", MsgBoxStyle.Information, "Error")
    txtZip.Focus()
    Exit Sub
```

Enhancement 2 – About Form

For our second enhancement, we decided to create an about form. This form informs the user of the developers who built the application and the current version number of the application. The form performs one task. If the user clicks on the "Ok" button, the about form will terminate execution.
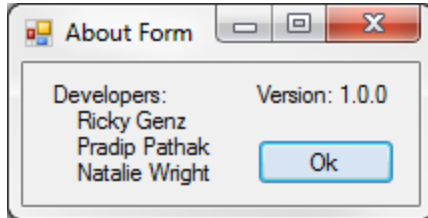

```vb
Public Class frmAbout


    Private Sub btnOk_Click(sender As Object, e As EventArgs) Handles btnOk.Click
        'Close about form after user clicks ok
        Me.Close()
    End Sub


End Class
```