

Assignment 12 – Habsatou War

Screen shots of break point of assignment 11 for test case debugging.

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Debug Any CPU Continue Lifecycle Events Thread: [5344] Main Thread

Process: [8712] VacationRental_HW.exe

Form1.vb Form1.vb [Design]

VacationRental_HW btnSubmit Click

```
txtRentalDays.Focus()
Exit Sub
End If
'Calculations
If intRentalDay > 30 Then
    dblDiscount = dblSeasonCost * 0.1 * intRentalDay
ElseIf intRentalDay > 14 Then
    dblDiscount = dblSeasonCost * 0.05 * intRentalDay
End If
dblSubTotal = dblSeasonCost * intRentalDay + dblDiscount s 1ms elapsed
dblTax = dblSubTotal * 0.1
dblTotal = dblSubTotal + dblTax - dblDiscount
'Display
lblSubTotal.Text = FormatCurrency(dblSubTotal)
lblTax.Text = FormatCurrency(dblTax)
lblTotal.Text = FormatCurrency(dblTotal)
End Sub
```

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Autos

Search (Ctrl+E)

Name	Value	Type
Me	{VacationRental_HW.Form1, Text: Vacatio...	VacationRe...
dblDiscount	780	Double
dblSeasonCost	150	Double
dblSubTotal	0	Double
intRentalDay	52	Integer

Call Stack

Name
VacationRental_H [External Code]

Call Stack Breakpoi

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Process: [8712] VacationRental_HW.exe Lifecycle Events Thread: [5344] Main Thread

Form1.vb Form1.vb [Design]

VB VacationRental_HW btnSubmit Click

```
Dim strPhone As String
Dim strEmail As String
Dim intRentalDay As Integer

Dim dblDiscount As Double
Dim dblSubTotal As Double
Dim dblTax As Double
Dim dblTotal As Double

'Inputs
'Get the season option
If radOffSeason.Checked Then
    dblSeasonCost = dblOffSeasonCost
ElseIf radPeakSeason.Checked Then
    dblSeasonCost = dblPeakSeasonCost
ElseIf radStandard.Checked Then
    dblSeasonCost = dblStandardSeasonCost
End If
```

90% 0 4 Autos Call Stack

Search (Ctrl+E) Search Depth: 3

Name	Value	Type
VacationRental_HW....	{Text = "Off Season" Checked = False}	System.Win...
System.Windows.Fo...	False	Boolean
Me	{VacationRental_HW.Form1, Text: Vacatio...}	VacationRe...
dblOffSeasonCost	50	Double
dblSeasonCost	0	Double
radPeakSeaon	{Text = "Peak Season" Checked = True}	System.Win...
radPeakSeaon.Chec...	True	Boolean

Call Stack Breakpo

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Debug Any CPU Continue Lifecycle Events Thread: [5344] Main Thread

Form1.vb Form1.vb [Design]

VB VacationRental_HW btnSubmit Click

```
        txtRentalDays.Focus()
    Exit Sub
End If
Else
    MessageBox.Show("Please enter rental days")
    txtRentalDays.Focus()
    Exit Sub
End If
'Calculations
If intRentalDay > 30 Then
    dblDiscount = dblSeasonCost * 0.1 * intRentalDay
ElseIf intRentalDay > 14 Then
    dblDiscount = dblSeasonCost * 0.05 * intRentalDay
End If
dblSubTotal = dblSeasonCost * intRentalDay + dblDiscount
dblTax = dblSubTotal * 0.1    s 10ms elapsed
dblTotal = dblSubTotal + dblTax - dblDiscount
'Display
lblSubTotal.Text = FormatCurrency(dblSubTotal)
lblTax.Text = FormatCurrency(dblTax)
lblTotal.Text = FormatCurrency(dblTotal)
End Sub
```

90 % X 0 ! 4 ← → ← → Call Stack

Autos

Search (Ctrl+E) ↗ Search Depth: 3

Name	Value	Type
Me	{VacationRental_HW.Form1, Text: Vacatio...	VacationRe...
dblDiscount	0	Double
dblSeasonCost	150	Double
dblSubTotal	1500	Double
dblTax	0	Double
intRentalDay	10	Integer

Call Stack Breakpo

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Debug Any CPU Continue Lifecycle Events Thread: [5344] Main Thread

Process: [8712] VacationRental_HW.exe

Form1.vb Form1.vb [Design]

VacationRental_HW btnSubmit Click

```
txtRentalDays.Focus()
Exit Sub
End If
Else
    MessageBox.Show("Please enter rental days")
    txtRentalDays.Focus()
    Exit Sub
End If
'Calculations
If intRentalDay > 30 Then
    dblDiscount = dblSeasonCost * 0.1 * intRentalDay
ElseIf intRentalDay > 14 Then
    dblDiscount = dblSeasonCost * 0.05 * intRentalDay
End If
dblSubTotal = dblSeasonCost * intRentalDay + dblDiscount
dblTax = dblSubTotal * 0.1
dblTotal = dblSubTotal + dblTax - dblDiscount
'Display
lblSubTotal.Text = FormatCurrency(dblSubTotal)
lblTax.Text = FormatCurrency(dblTax)
lblTotal.Text = FormatCurrency(dblTotal)
End Sub
```

90 % 0 4

Autos

Search (Ctrl+E) Search Depth: 3

Name	Value	Type
Me	{VacationRental_HW.Form1, Text: Vacatio...	VacationRe...
dblDiscount	157.5	Double
dblSeasonCost	150	Double
dblSubTotal	0	Double
intRentalDay	21	Integer

Call Stack

Name
VacationRental_H...

Call Stack Breakpo


```
Form1.vb  Form1.vb*  Form1.vb [Design]*  
VB VacationRental_HW  
btnSubmit  
Exit Sub  
End If  
'Validation of rental days  
If IsNumeric(txtRentalDays.Text) Then  
    intRentalDay = txtRentalDays.Text  
    If intRentalDay < 1 Or intRentalDay > 59 Then  
        MessageBox.Show("Please rental is greater than 0 and less than 60")  
        txtRentalDays.Focus()  
        Exit Sub  
    End If  
Else  
    MessageBox.Show("Please enter rental days")  
    txtRentalDays.Focus()  
    Exit Sub  
End If  
'Calculations  
If intRentalDay > 30 Then  
    dblDiscount = dblSeasonCost * 0.1 * intRentalDay  
ElseIf intRentalDay > 14 Then  
    dblDiscount = dblSeasonCost * 0.05 * intRentalDay  
End If  
dblSubTotal = dblSeasonCost * intRentalDay + dblDiscount  
dblTax = dblSubTotal * 0.1  
dblTotal = dblSubTotal + dblTax - dblDiscount  
'Display  
lblSubTotal.Text = FormatCurrency(db1SubTotal)  
lblTax.Text = FormatCurrency(db1Tax)  
lblTotal.Text = FormatCurrency(db1Total)  
End Sub  
  
0 references  
Private Sub BtnReset_Click(sender As Object, e As EventArgs) Handles btnReset.C  
    'Clear all inputs and outputs  
    radStandard.Checked = True  
    txtFirstName.ResetText()  
    txtLastName.ResetText()  
90 %  0  ! 4  ← →  
Error List  Output
```

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Debug Any CPU Continue Lifecycle Events Thread: [16496] Main Thread

Form1.vb [Design]

VacationRental_HW btnSubmit Click

```
'Get the season option
If radOffSeason.Checked Then
    dblSeasonCost = dblOffSeasonCost
ElseIf radPeakSeason.Checked Then
    dblSeasonCost = dblPeakSeasonCost
ElseIf radStandard.Checked Then
    dblSeasonCost = dblStandardSeasonCost
End If

If txtFirstName.Text = "" Then
    MessageBox.Show("Please enter First Name")      'Validate First Name
    txtFirstName.Focus()   s 5,542ms elapsed
    Exit Sub
ElseIf txtLastName.Text = "" Then
    MessageBox.Show("Please enter Last Name")        'Validate Last Name
    txtLastName.Focus()
```

0 % 0 4

Autos

Search (Ctrl+E) Search Depth: 3

Name	Value
System.Windows.Forms.MessageBox.Show returned	OK {1}
Me	{VacationRental_HW.Form1, Text: Vacation Rental}
txtFirstName	{Text = ""}

Autos Locals Watch 1

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Process: [592] VacationRental_HW.exe Lifecycle Events Thread: [14112] Main Thread

Form1.vb [Design]

VacationRental_HW

btnSubmit Click

```
        Exit Sub
    ElseIf txtPhone.Text = "" Then
        MessageBox.Show("Please enter Phone")           'Validate Phone
        txtPhone.Focus()
        Exit Sub
    End If
    'Validation of rental days
    If IsNumeric(txtRentalDays.Text) Then
        intRentalDay = txtRentalDays.Text
        If intRentalDay < 1 Or intRentalDay > 59 Then
            MessageBox.Show("Please rental is greater than 0 and less than 60")
            txtRentalDays.Focus()
            Exit Sub
        End If
    Else
        ' Validation of phone number
        If Not IsNumeric(txtPhone.Text) Then
            MessageBox.Show("Please enter valid phone number")
            txtPhone.Focus()
            Exit Sub
        End If
    End If
End Sub
```

0 % 0 4

Autos

Search (Ctrl+E) Search Depth: 3

Name	Value
VacationRental_HW.Form1.txtRentalDays.get return...	{Text = "68"}
System.Windows.Forms.Control.Focus returned	True
Me	{VacationRental_HW.Form1, Text: Vacation Rental}
txtRentalDays	{Text = "68"}

Autos Locals Watch 1

File Edit View Project Build Debug Test Analyze Tools Extensions Window Help Search

Debug Any CPU Continue Lifecycle Events Thread: [14112] Main Thread

Form1.vb [Design]

VB VacationRental_HW btnSubmit Click

```
VALIDATION OF RENTAL DAYS
If IsNumeric(txtRentalDays.Text) Then
    intRentalDay = txtRentalDays.Text
    If intRentalDay < 1 Or intRentalDay > 59 Then
        MessageBox.Show("Please rental is greater than 0 and less than 60")
        txtRentalDays.Focus()
        Exit Sub
    End If
Else
    MessageBox.Show("Please enter rental days")
    txtRentalDays.Focus()
    Exit Sub
End If
'CALCULATIONS
If intRentalDay > 30 Then
    dblDiscount = dblSeasonCost * 0.1 * intRentalDay
```

90 % 0 4ms elapsed

Autos

Search (Ctrl+E) Search Depth: 3

Name	Value
Me	{VacationRental_HW.Form1, Text: Vacation Rental}
dblDiscount	0
dblSeasonCost	150
intRentalDay	58

Autos Locals Watch 1