

# VBA SOURCE CODE BOOK

## FIXING BUGS



 *Excel For Freelancers*

## How To Find & Fix Multiple VBA Bugs In Excel [Data Entry Form Update]



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*by: Randy Austin*

# ABOUT THE AUTHOR

A two-time Microsoft MVP & lifetime Excel enthusiast, Randy Austin founded Excel For Freelancers in 2017. Excel For Freelancers quickly became the most prominent resource Excel for developers to learn how to turn their passion for Excel into profits by building & selling their own excel-based applications for passive & recurring income.

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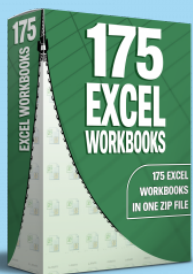
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Projects ..... 2

  VBAProject ..... 2

    Documents ..... 2

      Sheet1 ..... 2

        (Declarations) ..... 2

        Worksheet\_Change [Sub ] ..... 2

        Worksheet\_SelectionChange [Sub ] ..... 2

      Sheet2 ..... 4

        (Declarations) ..... 4

      Sheet3 ..... 6

        (Declarations) ..... 6

      ThisWorkbook ..... 8

        (Declarations) ..... 8

    Modules ..... 10

      ContactMacros ..... 10

        (Declarations) ..... 10

        Cont\_AttachThum [Sub ] ..... 10

        Cont\_CancelNew [Sub ] ..... 10

        Cont\_Delete [Sub ] ..... 10

        Cont\_DisplayThumb [Sub ] ..... 10

        Cont\_Load [Sub ] ..... 11

        Cont\_New [Sub ] ..... 11

        Cont\_Save [Sub ] ..... 11

1 Option Explicit

2  
3 Private Sub Worksheet\_Change(ByVal Target As Range)

4 If Not Intersect(Target, Range("E5:L12" )) Is Nothing And Range("B5" ).Value = False And

Range("B4" ).Value = False Then 'New Contact =False, Contact Load = False

5 Cells(Range("B3" ).Value, Cells(Target.Row, Target.Column + 10).Value).Value = Target.  
Value

6 End If

7

8 End Sub

9  
10 Private Sub Worksheet\_SelectionChange(ByVal Target As Range)

11 If Target.Count > 1 Then Exit Sub

12 If Not Intersect(Target, Range("D13:L9999" )) Is Nothing And Range("D" & Target.Row).

Value <> Empty Then

13 Range("B3" ).Value = Target.Row

14 Cont\_Load

15 End If

16

17 End Sub

## C

Cells, [2](#)  
Column, [2](#)  
Cont\_Load, [2](#)  
Count, [2](#)

## E

Empty, [2](#)  
Explicit, [2](#)

## I

Intersect, [2](#)

## R

Range, [2](#)  
Row, [2](#)

## T

Target, [2](#)

## V

Value, [2](#)

## W

Worksheet\_Change, [2](#)  
Worksheet\_SelectionChange, [2](#)

1 Option Explicit

2

**E**

Explicit, 4



1 Option Explicit

2

**E**

Explicit, 6

1	Option Explicit
2	

**E**

Explicit, 8

```

1 Option Explicit
2 Dim ContRow As Long
3 Dim ContCol As Long
4
5 Sub Cont_AttachThum()
6     Dim PicFile As FileDialog
7     With Sheet1
8         Set PicFile = Application.FileDialog(msoFileDialogFilePicker)
9         With PicFile
10            .Title = "Select a Contact Picture"
11            .Filters.Add "All Picture Files" , "*.jpg,*.jpeg,*.gif,*.png,*.gif,*.bmp,*.tiff" , 1
12
13            If .Show <> -1 Then GoTo NoSelection
14            Sheet1.Range("K5" ).Value = .SelectedItems(1) 'Put File name in m4
15        End With
16        If .Range("B4" ).Value = False Then .Range("J" & Sheet1.Range("B3" ).Value).Value = .
17        Range("M4" ).Value
18        Cont_DisplayThumb
19    End With
20    NoSelection:
21    End With
22 End Sub
23
24 Sub Cont_CancelNew()
25     With Sheet1
26         If .Range("D16" ).Value <> Empty Then .Range("D16" ).Select
27     End With
28 End Sub
29
30 Sub Cont_Delete()
31     With Sheet1
32         If MsgBox("Are you sure you want to delete this contact" , vbYesNo, "Delete Contact" )
33             = vbNo Then Exit Sub
34         If .Range("B3" ).Value = Empty Then Exit Sub
35         ContRow = .Range("B3" ).Value
36         .Range(ContRow & ":" & ContRow).EntireRow.Delete
37         .Range("D16" ).Select
38     End With
39 End Sub
40
41 Sub Cont_DisplayThumb()
42     Dim PicPath As String
43     With Sheet1
44         On Error Resume Next
45         .Shapes("ThumbPic" ).Delete 'Delete thumbnail picture (if any)
46         On Error GoTo 0
47         PicPath = .Range("K5" ).Value 'Picture Path
48         On Error GoTo NoPic
49         With .Pictures.Insert(PicPath)
50             With .ShapeRange
51                 .LockAspectRatio = msoTrue
52                 If .Width > .Height Then
53                     .Width = 110
54                 Else:
55                     .Height = 85
56                 End If
57                 .Name = "ThumbPic"
58             End With
59         End With
60     End With
61     With .Shapes("ThumbPic" )

```

1 2 3

```

59     1 2 3     .Left = Sheet1.Range("K5" ).Left
60     .Top = Sheet1.Range("K5" ).Top
61     .IncrementLeft 5
62     .IncrementTop 10
63     End With
64     NoPic:
65     End With 'End Sheet 1
66 End Sub
67
68
69
70 Sub Cont_Load()
71     With Sheet1
72         If .Range("B3" ).Value = Empty Then Exit Sub
73         .Range("B5" ).Value = True 'Set contact Load to True
74         ContRow = .Range("B3" ).Value 'Contact Row
75         For ContCol = 4 To 12
76             .Range(.Cells(14, ContCol).Value).Value = .Cells(ContRow, ContCol).Value
77         Next ContCol
78         On Error Resume Next
79         .Shapes("ThumbPic" ).Delete 'Delete thumbnail picture (if any)
80         On Error GoTo 0
81         If .Range("K5" ).Value <> Empty Then Cont_DisplayThumb
82         .Range("B4" ).Value = False 'New Contact
83         .Shapes("ExistContGrp" ).Visible = msoCTrue
84         .Shapes("NewContGrp" ).Visible = msoFalse
85         .Range("B5" ).Value = False 'Set Contact Load to False
86     End With
87 End Sub
88
89 Sub Cont_New()
90     With Sheet1
91         .Range("B5" ).Value = True 'Contact Load
92         .Range("B4" ).Value = True 'New Contact
93         .Range("B3,E5:F5,H5:J5,E7:F7,H7:J7,E9:F9,H9:J9,E11:J12,K5" ).ClearContents
94         .Shapes("ExistContGrp" ).Visible = msoFalse
95         .Shapes("NewContGrp" ).Visible = msoCTrue
96         .Range("B5" ).Value = False 'Contact Load to False
97         .Range("E5" ).Select
98     End With
99 End Sub
100
101 Sub Cont_Save()
102     With Sheet1
103         If .Range("E5" ).Value = Empty Then
104             MsgBox "Please enter a contact Name"
105             Exit Sub
106         End If
107         ContRow = .Range("D99999" ).End(xlUp).Row + 1 'First available Row
108         For ContCol = 4 To 12
109             .Cells(ContRow, ContCol).Value = .Range(.Cells(14, ContCol).Value).Value
110         Next ContCol
111         .Shapes("ExistContGrp" ).Visible = msoCTrue
112         .Shapes("NewContGrp" ).Visible = msoFalse
113         .Range("B4" ).Value = False 'New Contact
114         .Range("B3" ).Value = ContRow
115     End With
116 End Sub

```

## A

Add, [10](#)  
Application, [10](#)

## C

Cells, [11](#)  
ClearContents, [11](#)  
Cont\_AttachThum, [10](#)  
Cont\_CancelNew, [10](#)  
Cont\_Delete, [10](#)  
Cont\_DisplayThumb, [10](#), [11](#)  
Cont\_Load, [11](#)  
Cont\_New, [11](#)  
Cont\_Save, [11](#)  
ContCol, [10](#), [11](#)  
ContRow, [10](#), [11](#)

## D

Delete, [10](#), [11](#)

## E

Empty, [10](#), [11](#)  
EntireRow, [10](#)  
Explicit, [10](#)

## F

FileDialog, [10](#)  
Filters, [10](#)

## H

Height, [10](#)

## I

IncrementLeft, [11](#)  
IncrementTop, [11](#)  
Insert, [10](#)

## L

Left, [11](#)  
LockAspectRatio, [10](#)

## M

MsgBox, [10](#), [11](#)  
msoCTrue, [11](#)  
msoFalse, [11](#)  
msoFileDialogFilePicker, [10](#)  
msoTrue, [10](#)

## N

Name, [10](#)  
NoPic, [10](#), [11](#)  
NoSelection, [10](#)

## P

PicFile, [10](#)  
PicPath, [10](#)  
Pictures, [10](#)

## R

Range, [10](#), [11](#)  
Row, [11](#)

## S

SelectedItems, [10](#)  
ShapeRange, [10](#)  
Shapes, [10](#), [11](#)  
Sheet1, [10](#), [11](#)  
Show, [10](#)

## T

Title, [10](#)  
Top, [11](#)

## V

Value, [10](#), [11](#)  
vbNo, [10](#)  
vbYesNo, [10](#)  
Visible, [11](#)

## W

Width, [10](#)

## X

xLUp, [11](#)

# Thank You!

This source code was created and made available to help you gain a better understanding of how VBA is used to create amazing Excel-based applications.

Thank you so much for your continued shares, likes and support. It really helps.



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