

VBA SOURCE CODE BOOK



Excel For Freelancers

Learn How To Build Your Own Excel Review Manager



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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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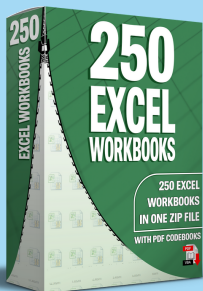
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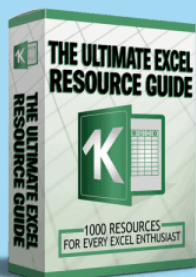
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1 Option Explicit

2

```
1 Option Explicit
2
3 Private Sub Worksheet_Change(ByVal Target As Range)
4     If Not Intersect(Target, Range("D3" )) Is Nothing And Range("D3" ).Value <> Empty
5         Then
6             Dim FilterType As Long
7             FilterType = Range("B3" ).Value
8             Range("E3" ).Validation.Delete
9             Range("E3:F3" ).ClearContents 'Clear existing filter values
10            If FilterType <> 0 Then
11                Range("E3" ).Validation.Add xlValidateList, xlValidAlertStop, , Formula1:=
12                "=Filter" & FilterType
13            End If
14            Range("E3" ).Select 'Select for filter
15        End If
16
17        'On Filter change
18        If Not Intersect(Target, Range("E3" )) Is Nothing And Range("D3" ).Value <> Empty
19            And Range("E3" ).Value <> Empty Then ReviewList_Refresh
20
21        ''On Business Change
22        If Not Intersect(Target, Range("E2" )) Is Nothing And Range("E2" ).Value <> Empty
23            And Range("E3" ).Value <> Empty Then ReviewList_Refresh
24    End Sub
25
26 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
27     If Target.CountLarge > 1 Then Exit Sub
28     If Not Intersect(Target, Range("D6:F9999" )) Is Nothing And Range("C" & Target.Row)
29         .Value <> Empty Then
30         Range("B6" ).Value = Range("C" & Target.Row).Value 'Set Review ID
31         Range("B5" ).Value = Target.Row 'Set Select Row
32         Review_Load 'Run Macro To Load Review
33     End If
34 End Sub
```

1 Option Explicit

2


```

1 Option Explicit
2
3 Sub DownloadReviews()
4     Dim objHTTP As Object
5     Dim URL As String, Json As String, Response As String, HookString As String, BusID
6     As String, RevID As String
7     Dim ReviewArr() As String, RevData As String, RevDataArr() As String
8     Dim RevCol As Long, RevRow As Long, RevNumb As Long, RevQty As Long, FoundRow As
9     Long, RevCount As Long
10    Dim PlatformRow As Long
11    If Reviews.Range("B2").Value = Empty Then
12        MsgBox "Please select a platform to get reviews from"
13        Exit Sub
14    End If
15    PlatformRow = Reviews.Range("B2").Value 'Platform Row
16    HookString = Admin.Range("E" & PlatformRow).Value 'Webhook String
17    If HookString = "" Then
18        MsgBox "Please add a webhook in the admin screen to get reviews"
19        Exit Sub
20    End If
21
22    BusID = Reviews.Range("I2").Value
23    If BusID = "" Then
24        MsgBox "Please select a Business to get reviews"
25        Exit Sub
26    End If
27
28    Set objHTTP = CreateObject("MSXML2.ServerXMLHTTP")
29    URL = HookString & "?&BusID=" & BusID
30    objHTTP.Open "GET", URL, False
31    objHTTP.setRequestHeader "Content-type", "application/json"
32    objHTTP.send (Json) 'Send Information
33    Response = objHTTP.responsetext
34    If InStr(Response, "failed") > 0 Or Response = "Accepted" Or Response = "" Then
35        MsgBox "Please make sure to add a correct webhook and check all settings"
36        Exit Sub
37    End If
38
39    RevRow = RevDB.Range("A9999").End(xlUp).Row + 1 'First Avail Row
40    ReviewArr = Split(Response, "/r/")
41    RevQty = UBound(ReviewArr) 'Upper Bound # of the array
42    With RevDB
43        RevCount = 0 'Set Intial Count to 0
44        For RevNumb = 0 To RevQty
45            RevData = ReviewArr(RevNumb)
46            RevDataArr = Split(RevData, "/c/") 'Split Review Data
47            RevID = RevDataArr(0) 'Get Review ID
48            On Error Resume Next
49            FoundRow = .Range("Rev_ID").Find(RevID, , xlValues, xlWhole).Row
50            On Error GoTo 0
51            If FoundRow <> 0 Then GoTo NextReview
52            For RevCol = 1 To 5
53                If RevCol = 5 Then 'Time column
54                    .Cells(RevRow, RevCol).Value = Replace(Replace(RevDataArr(RevCol - 1),
55                        " GMT+0000 (Coordinated Universal Time)", ""), Left(RevDataArr(RevCol
56                        - 1), 4), "") 'Remove GMT details from date & time
57                Else 'All other columns
58                    .Cells(RevRow, RevCol).Value = RevDataArr(RevCol - 1)
59                End If
60            Next RevCol
61        Next RevNumb
62        .Range("J2:K2").Copy 'Copy Date & Bus. Nickname Formulas
63        .Range("J" & RevRow & ":K" & RevRow).PasteSpecial xlPasteFormulas

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1 2 3

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1 2 3
58 .Range("E" & RevRow).Value = .Range("J" & RevRow).Value 'Date & Times
59 .Range("J" & RevRow).ClearContents 'Clear Formula
60 .Range("F" & RevRow).Value = Reviews.Range("M2" ).Value 'Platform
61 .Range("G" & RevRow).Value = Reviews.Range("I2" ).Value 'Set Buisiness
62 .Range("I" & RevRow).Value = "=Row()" 'Set Row
63 .Range(RevRow & ":" & RevRow).WrapText = False
64 RevRow = RevRow + 1 'Increment Review Row
65 RevCount = RevCount + 1
66 NextReview:
67     Next RevNumb
68     Reviews.Range("E2" ).Value = Reviews.Range("I2" ).Value
69     ReviewList_Refresh 'Reload Review List
70     MsgBox RevCount & " Review(s) have been added"
71 End With
72 End Sub
```

```

1 Option Explicit
2 Dim LastRow As Long, LastResultRow As Long, CritCol As Long, CritRow As Long, RevRow As
  Long, RevCol As Long
3 Dim RatShp As Shape
4 Dim Criteria As String, RatNumb As String
5
6
7 Sub Review_Load()
8   With Reviews
9     'Hide all Reviews
10    For Each RatShp In .Shapes
11      If InStr(RatShp.Name, "RevRating" ) > 0 Then RatShp.Delete
12    Next RatShp
13    .Range("I2:J2,I4,K4,M4,I6:M6,I8:M13,I15:M20" ).ClearContents
14    If .Range("B7" ).Value = "" Then
15      MsgBox "Please select a review to load"
16      Exit Sub
17    End If
18    RevRow = .Range("B7" ).Value 'Review Row DB
19    For RevCol = 2 To 8
20      .Range(RevDB.Cells(1, RevCol).Value).Value = RevDB.Cells(RevRow, RevCol).Value
21      'Load Data
22    Next RevCol
23    RatNumb = .Range("B8" ).Value 'Rating
24    .Range("I6" ).Hyperlinks.Add .Range("I6" ), .Range("I6" ).Value, , "Select To
  View Review"
25    .Shapes("Rating" & RatNumb).Duplicate.Name = "RevRating" & RatNumb
26    With .Shapes("RevRating" & RatNumb)
27      .Left = Reviews.Range("K4" ).Left
28      .Top = Reviews.Range("K4" ).Top
29      .Visible = msoCTrue
30    End With
31  End With
32 End Sub
33
34 Sub Review_SaveReply()
35   With Reviews
36     If .Range("B7" ).Value = Empty Then
37       MsgBox "Please select a review first in order to save a reply"
38       Exit Sub
39     End If
40     RevRow = .Range("B7" ).Value 'Review Row
41     RevDB.Range("H" & RevRow).Value = .Range("I15" ).Value 'Save Review
42     MsgBox "Review Reply Saved"
43   End With
44 End Sub
45
46 Sub ReviewList_Refresh()
47   Reviews.Range("B5,C6:F9999" ).ClearContents
48   Criteria = Reviews.Range("D3" ).Value 'Set Criteria
49   With RevDB
50     .Range("V3:AA9999" ).ClearContents 'Clear Prior Results
51     LastRow = .Range("A9999" ).End(xlUp).Row
52     If LastRow < 4 Then Exit Sub
53     Select Case Criteria
54       Case Is = "Reviewed After" , "Reviewed Before"
55         CritCol = 15
56         CritRow = 3
57       Case Is = "Ratings Above" , "Ratings Below"
58         CritCol = 17
59         CritRow = 3
60       Case Is = "Show Replies"

```

1 2 3

```
59   1 2 3   CritCol = 19
60   If Reviews.Range("E3" ).Value = "Both" Then CritRow = 4 Else CritRow = 3
61   End Select
62   .Range("V3:AA9999" ).ClearContents 'Clear Prior Results
63   .Range("A3:H" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=Range(.
Cells(2, CritCol - 1), .Cells(CritRow, CritCol)), CopyToRange:=.Range("V2:Y2" ),
Unique:=True
64   LastResultRow = .Range("X99999" ).End(xlUp).Row
65   If LastResultRow < 3 Then Exit Sub
66   .Range("Z3:AA" & LastResultRow).Formula = .Range("Z1:AA1" ).Formula 'Bring over
'Rating & Replied Formulas
67   Reviews.Range("C6:F" & LastResultRow + 3).Value = .Range("X3:AA" &
LastResultRow).Value 'Bring over Review Data
68   End With
69   'Set Selected Row (if applicable)
70   If Reviews.Range("B6" ).Value <> Empty Then
71   On Error Resume Next
72   Reviews.Range("B5" ).Value = Reviews.Range("C6:C9999" ).Find(Reviews.Range("B6" )
.Value, , xlFormulas, xlWhole).Row
73   On Error GoTo 0
74   End If
75   End Sub
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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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