

VBA SOURCE CODE BOOK



Learn How To Build Your Own
Excel Review Manager



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by: Randy Austin

ABOUT THE AUTHOR

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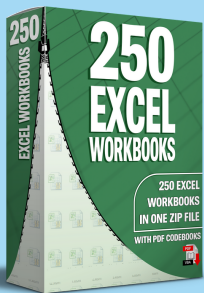
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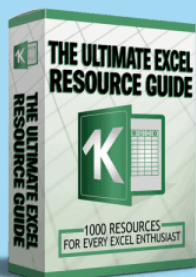
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Projects.....	2
VBAProject.....	2
Documents.....	2
Admin.....	2
(Declarations).....	2
RevDB.....	3
(Declarations).....	3
Reviews.....	4
(Declarations).....	4
Worksheet_Change [Sub].....	4
Worksheet_SelectionChange [Sub].....	4
ThisWorkbook.....	5
(Declarations).....	5
Modules.....	6
Get_Bus_Info.....	6
(Declarations).....	6
Business_GetInfo [Sub].....	6
GetReview_Macros.....	7
(Declarations).....	7
DownloadReviews [Sub].....	7
Review_Macros.....	9
(Declarations).....	9
Review_Load [Sub].....	9
Review_SaveReply [Sub].....	9
ReviewList_Refresh [Sub].....	9

1 Option Explicit

2

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 Business_GetInfo()
4 Dim objHTTP As Object
5 Dim URL As String, Json As String, Response As String, HookString As String, BusID
  As String
6 Dim PlatformRow As Long
7 If Reviews.Range("B2").Value = Empty Then
8     MsgBox "Please select a platform to get reviews from"
9     Exit Sub
10 End If
11 HookString = "https://hook.integromat.com/wgmbecqk2cw8d2i73pebynrnx48s6nvpk"
  'Webhook String
12 BusID = Reviews.Range("I2").Value
13 If BusID = "" Then
14     MsgBox "Please select a Business to get reviews"
15     Exit Sub
16 End If
17 Set objHTTP = CreateObject("MSXML2.ServerXMLHTTP")
18 URL = HookString & "?&BusID=" & BusID
19 objHTTP.Open "GET", URL, False
20 objHTTP.setRequestHeader "Content-type", "application/json"
21 objHTTP.send (Json) 'Send Information
22 Response = objHTTP.responsetext
23 If InStr(Response, "failed") > 0 Or Response = "Accepted" Or Response = "" Then
24     MsgBox "Please make sure to add a correct webhook and check all settings"
25     Exit Sub
26 End If
27 Response = "The following information was found for this business: " & Chr(34) &
  Replace(Response, "/c/" , Chr(10)) 'Add New Line
28
29 MsgBox Response
30 End Sub
```

```

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

```

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
```

A

Add, 4, 9
Admin, 7
AdvancedFilter, 10

B

BusID, 6, 7
Business_GetInfo, 6

C

Cells, 7, 9, 10
Chr, 6
ClearContents, 4, 8-10
Copy, 7
CopyToRange, 10
CountLarge, 4
CreateObject, 6, 7
CritCol, 9, 10
Criteria, 9
CriteriaRange, 10
CritRow, 9, 10

D

Delete, 4, 9
DownloadReviews, 7
Duplicate, 9

E

Empty, 4, 6, 7, 9, 10
Explicit, 2-7, 9

F

FilterType, 4
Find, 7, 10
Formula, 10
Formula1, 4
FoundRow, 7

H

HookString, 6, 7
Hyperlinks, 9

I

InStr, 6, 7, 9
Intersect, 4

J

Json, 6, 7

L

LastResultRow, 9, 10
LastRow, 9, 10
Left, 7, 9

M

MsgBox, 6-9
msoCTrue, 9

N

Name, 9
NextReview, 7, 8

O

objHTTP, 6, 7
Open, 6, 7

P

PasteSpecial, 7
PlatformRow, 6, 7

R

Range, 4, 6-10
RatNumb, 9
RatShp, 9
Replace, 6, 7
Response, 6, 7
responsetext, 6, 7
RevCol, 7, 9
RevCount, 7, 8
RevData, 7
RevDataArr, 7
RevDB, 7, 9
RevID, 7
Review_Load, 4, 9
Review_SaveReply, 9
ReviewArr, 7
ReviewList_Refresh, 4, 8, 9
Reviews, 6-10
RevNumb, 7, 8
RevQty, 7
RevRow, 7-9
Row, 4, 7, 9, 10

S

send, 6, 7
setRequestHeader, 6, 7
Shape, 9
Shapes, 9
Split, 7

T

Target, 4
Top, 9

U

UBound, 7
Unique, 10
URL, 6, 7

V

Validation, 4
Value, 4, 6-10
Visible, 9

W

Worksheet_Change, 4
Worksheet_SelectionChange, 4
WrapText, 8

X

xlFilterCopy, 10
xlFormulas, 10
xlPasteFormulas, 7
xlUp, 7, 9, 10
xlValidAlertStop, 4
xlValidateList, 4
xlValues, 7
xlWhole, 7, 10

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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