

# VBA SOURCE CODE BOOK



## How To Create Your Own Social Media Manager in Excel using Zapier



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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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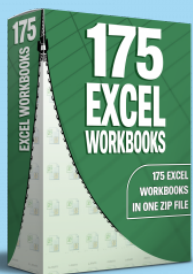
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```
1
2
3 Private Sub Worksheet_Change(ByVal Target As Range)
4     'If Target.Count > 1 Then Exit Sub
5     ,
6     'Save any changes but not on New Posts
7     If Not Intersect(Target, Range("F2:F9" )) Is Nothing And Range("B10" ).Value = False Then
8         Cells(Range("B1" ).Value, Range("A" & Target.Row).Value).Value = Target.Value
9         Range(Range("B1" ).Value & ":" & Range("B1" )).RowHeight = 15
10    End If
11    ,
12    If Not Intersect(Target, Range("J9" )) Is Nothing And Range("B10" ).Value = False Then
13        Cells(Range("B1" ).Value, Range("B" & Target.Row).Value).Value = Target.Value
14        Range(Range("B1" ).Value & ":" & Range("B1" )).RowHeight = 15
15    End If
16 End Sub
17
18
19 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
20     If Target.Count > 1 Then Exit Sub
21
22     'On Selection of any row in table that has a value in Column E
23     If Not Intersect(Target, Range("E13:J27" )) Is Nothing And Range("E" & Target.Row).Value
24     <> Empty Then
25         Range("B1" ).Value = Target.Row
26         Load_Post
27     End If
28
29     'On Selection of any column between K through N that has a value in Column E
30     If Not Intersect(Target, Range("K13:N27" )) Is Nothing And Range("E" & Target.Row).Value
31     <> Empty Then
32         If Target.Value = "ü" Then Target.ClearContents Else Target.Value = "ü"
33     End If
34 End Sub
```

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```
1 Option Explicit
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```
2  
3 Private Sub Workbook_Open()
```

```
4     'CheckToSendPosts 'Uncomment this macro to check for posts that need to be sent on  
5     Startup of workbook
```

```
End Sub
```

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```
1 Option Explicit
2
3 Sub ResetCode()
4     With Application
5         .EnableEvents = True
6         .Calculation = xlCalculationAutomatic
7         .ScreenUpdating = True
8     End With
9 End Sub
10
11 Sub StopCode()
12     With Application
13         .EnableEvents = False
14         .Calculation = xlCalculationManual
15         .ScreenUpdating = False
16     End With
17
18 End Sub
19
```

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```
1 Option Explicit
2
3 Sub Load_Post()
4     Dim CustRow, CustCol As Long
5     Dim Cell As String
6     StopCode
7     With Sheet1
8         CustRow = .Range("B1").Value 'Customer Row
9         For CustCol = 5 To 10
10            Cell = .Cells(11, CustCol).Value
11            Range(Cell).Value = .Cells(CustRow, CustCol).Value
12        Next CustCol
13        .Shapes("SavePostBtn").Visible = msoFalse
14        .Shapes("NewPostBtn").Visible = msoCTrue
15        .Shapes("DupPostBtn").Visible = msoCTrue
16        .Range("B10").Value = False
17    End With
18    ResetCode
19 End Sub
```

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```
1 Option Explicit
2
3 Sub PostToSM()
4 Dim objHTTP As Object
5 Dim Json, URL, Title, Desc, PicLink, VidLink As String
6 Dim DateTime As Date
7 Dim SelRow As Long
8 Set objHTTP = CreateObject("MSXML2.ServerXMLHTTP" )
9 With Sheet1
10 SelRow = .Range("B1" ).Value 'Selected Row
11 Title = .Range("E" & SelRow).Value 'Post Title
12 Desc = .Range("F" & SelRow).Value 'Post Description
13 PicLink = .Range("G" & SelRow).Value 'Picture Link
14 VidLink = .Range("H" & SelRow).Value 'Video Link
15
16 If .Range("K" & SelRow).Value = "ü" Then 'Run on Facebook Selected
17 URL = "[Enter Your Zapier Hook Link Here]/?Post_Title=" & Title & "&PostDesc=" &
18 Desc & "&PicLink=" & PicLink & "&VidLink=" & VidLink 'Facebook Post Webhook
19 objHTTP.Open "PATCH" , URL, False
20 objHTTP.setRequestHeader "Content-type" , "application/json"
21 objHTTP.send (Json) 'Send Information
22 End If
23
24 If .Range("L" & SelRow).Value = "ü" Then 'Run on YouTube Selected
25 URL = "[Enter Your Zapier Hook Link Here]/?Post_Title=" & Title & "&PostDesc=" &
26 Desc & "&PicLink=" & PicLink & "&VidLink=" & VidLink 'YouTube Post Link
27 objHTTP.Open "PATCH" , URL, False
28 objHTTP.setRequestHeader "Content-type" , "application/json"
29 objHTTP.send (Json) 'Send Information
30 End If
31
32 If .Range("M" & SelRow).Value = "ü" Then 'Run on LinkedIn Selected
33 URL = "[Enter Your Zapier Hook Link Here]/?Post_Title=" & Title & "&PostDesc=" &
34 Desc & "&PicLink=" & PicLink & "&VidLink=" & VidLink 'LinkedIn Post
35 objHTTP.Open "PATCH" , URL, False
36 objHTTP.setRequestHeader "Content-type" , "application/json"
37 objHTTP.send (Json) 'Send Information
38 End If
39
40 If .Range("N" & SelRow).Value = "ü" Then 'Run on Twitter Selected
41 URL = "[Enter Your Zapier Hook Link Here]/?Post_Title=" & Title & "&PostDesc=" &
42 Desc & "&PicLink=" & PicLink & "&VidLink=" & VidLink 'Twitter Post
43 objHTTP.Open "PATCH" , URL, False
44 objHTTP.setRequestHeader "Content-type" , "application/json"
45 objHTTP.send (Json) 'Send Information
46 End If
47
48 .Range("J" & SelRow).Value = Now 'Add Posted Date & Time
49 End With
50 End Sub
```

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```
1 Option Explicit
2
3 Sub DuplicPost()
4     With Sheet1
5         Dim SelRow, FirstAvailRow As Long
6         SelRow = ActiveCell.Row
7         FirstAvailRow = .Range("E9999" ).End(xlUp).Row + 1
8         .Range("E" & FirstAvailRow & ":N" & FirstAvailRow).Value = .Range("E" & SelRow &
9             ":N" & SelRow).Value
10        .Range("I" & FirstAvailRow & ":J" & FirstAvailRow).ClearContents
11    End With
12
13 End Sub
14 Sub NewPost()
15     With Sheet1
16         .Range("B10" ).Value = True
17         .Range("B1" ).Value = .Range("E9999" ).End(xlUp).Row + 1 'Get First Available Row
18         .Range("F2:J8,F9,J9,B1" ).ClearContents
19         .Shapes("SavePostBtn" ).Visible = msoCTrue
20         .Shapes("NewPostBtn" ).Visible = msoFalse
21         .Shapes("DupPostBtn" ).Visible = msoFalse
22     End With
23 End Sub
24
25 Sub SavePost()
26     Dim NextAvailRow, PostCol As Long
27     With Sheet1
28         NextAvailRow = .Range("E99999" ).End(xlUp).Row + 1
29         For PostCol = 5 To 10
30             .Cells(NextAvailRow, PostCol).Value = .Range(.Cells(11, PostCol).Value).Value
31         Next PostCol
32         .Range("B10" ).Value = False
33         .Shapes("SavePostBtn" ).Visible = msoCTrue
34         .Shapes("DupPostBtn" ).Visible = msoCTrue
35         .Shapes("NewPostBtn" ).Visible = msoFalse
36         'DupPostBtn
37     End With
38 End Sub
```

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```
1 Option Explicit
2
3 Sub CheckToSendPosts()
4     Dim LastRowm, PostRow As Long
5     With Sheet1
6         LastRow = .Range("E9999" ).End(xlUp).Row
7         For PostRow = 13 To LastRow
8             If .Range("J" & PostRow).Value <> Empty And .Range("I" & PostRow).Value <= Now
9                 Then 'If the post has not been sent AND it's send date & Time are Less then or
10                    equal to current Date and time
11                    .Range("E" & PostRow).Select 'Select Row for which post should be sent
12                    PostToSM 'Send Selected Post
13                End If
14            Next PostRow
15        End With
16    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.



*Excel For Freelancers*