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SET IT AND FORGET IT PT. 2



This 'Set It And Forget It'
Excel Application Earns You
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[Part 2]



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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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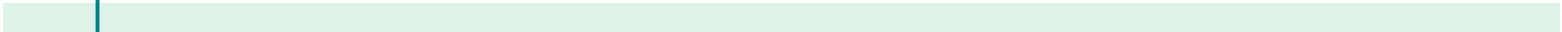
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```
1 Option Explicit
2
3
4 Private Sub Workbook_Open()
5     '(Make sure you remove the comment ' below when you are ready to automate this
6
7     'SendCampaignEmails
8 End Sub
```

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```

1
2 Option Explicit
3 '''Code provided by Randy Austin, Founder of Excel For Freelancers
4 ''More Free Training at: https://www.excelforfreelancers.com/
5
6 Sub SendCampaignEmails()
7     Dim OutApp, OutMail As Object
8     Dim EmpName, Subj, TextBefore, TextAfter, MainContent, SubName, SubEmail, TrackID,
9     UnsubLink As String
10    Dim CurDate As Date
11    Dim DataRow, SubRow, LastSubRow, EmailsSent, NextCampRow As Long
12    Application.Visible = True
13    On Error Resume Next
14    ThisWorkbook.Windows(1).Visible = True
15    On Error GoTo 0
16    UpdateXMLData
17    RefreshSubscribers
18    RefreshUnsubscribers
19    UpdateMainSubscriberList
20
21    With Sheet1
22        CurDate = Now
23        TrackID = .Range("G5").Value
24        For DataRow = 3 To 12
25            MainContent = MainContent & Sheet2.Range("F" & DataRow).Value 'Create Main
26            Content
27            MainContent = Replace(MainContent, "4179_" & DataRow - 2, "4179_" & DataRow - 2 &
28            "?tag=" & TrackID)
29        Next DataRow
30
31        LastSubRow = Sheet3.Range("B9999").End(xlUp).Row
32        For SubRow = 3 To LastSubRow
33            If Sheet3.Range("D" & SubRow).Value = "No" Then GoTo SkipSub
34            Subj = .Range("E6").Value 'Subject
35            TextBefore = .Range("E7").Value 'Text Before
36            TextAfter = .Range("E15").Value 'Text After
37            SubName = Sheet3.Range("B" & SubRow).Value 'Subscriber Name
38            SubEmail = Sheet3.Range("C" & SubRow).Value 'Email Address
39            UnsubLink = "<a href=" & Chr(34) & Sheet1.Range("O11").Value & "?Name=" & SubName
40            & "&" & "Email=" & SubEmail & Chr(34) & ">Unsubscribe</a>" 'Unsubscribe HTML
41            Link
42            Subj = Replace(Replace(Replace(Replace(Replace(Subj, Chr(10), "<br>" ), "#Name#" ,
43            SubName), "#Email#" , SubEmail), "#Date#" , Date), "#UnsubLink#" , UnsubLink)
44            TextBefore = Replace(Replace(Replace(Replace(Replace(TextBefore, Chr(10), "<br>" ),
45            "#Name#" , SubName), "#Email#" , SubEmail), "#Date#" , Date), "#UnsubLink#" ,
46            UnsubLink)
47            TextAfter = Replace(Replace(Replace(Replace(Replace(TextAfter, Chr(10), "<br>" ),
48            "#Name#" , SubName), "#Email#" , SubEmail), "#Date#" , Date), "#UnsubLink#" ,
49            UnsubLink)
50            Set OutApp = CreateObject("Outlook.Application" )
51            Set OutMail = OutApp.CreateItem(0)
52            With OutMail
53                .to = SubEmail
54                .Subject = Subj
55                .HTMLBody = .HTMLBody & TextBefore & "<br><br>" & MainContent & "<br><br>" &
56                TextAfter & "</font></span>"
57                .Display 'Change to .Send to Send emails without displaying them first
58                EmailsSent = EmailsSent + 1
59            End With
60            On Error GoTo 0
61            Set OutMail = Nothing

```

1 2 3

```
51     1 2 3 SkipSub:
52     Next SubRow
53     NextCampRow = .Range("I99999" ).End(xlUp).Row + 1 'First Available Campaign Row
54     .Range("I" & NextCampRow).Value = CurDate
55     .Range("J" & NextCampRow).Value = EmailsSent
56     End With
57     'ThisWorkbook.Close True
58     End Sub
59
60
61
62
```

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1
2 Sub UpdateXMLData()
3   Dim DataCon As String
4   If Sheet1.Range("O5").Value = Empty Then
5     MsgBox "Please enter an xml link here before importing"
6     Sheet1.Activate
7     Sheet1.Range("O5").Select
8     Exit Sub
9   End If
10  DataCon = Sheet1.Range("O5").Value 'XML Data Connection String
11  On Error Resume Next
12  ActiveWorkbook.Connections("Connection").Delete
13  On Error GoTo 0
14
15  With Sheet2.QueryTables.Add(Connection:="URL;" & DataCon, Destination:=Sheet2.Range(
16    "$A$1" ))
17    .Name = "Connection"
18    .FieldNames = True
19    .RowNumbers = False
20    .FillAdjacentFormulas = False
21    .PreserveFormatting = True
22    .RefreshOnFileOpen = False
23    .BackgroundQuery = True
24    .RefreshStyle = xlOverwriteCells
25    .SavePassword = False
26    .SaveData = True
27    .AdjustColumnWidth = True
28    .RefreshPeriod = 0
29    .WebSelectionType = xlAllTables
30    .WebFormatting = xlWebFormattingAll
31    .WebPreFormattedTextToColumns = True
32    .WebConsecutiveDelimitersAsOne = True
33    .WebSingleBlockTextImport = False
34    .WebDisableDateRecognition = False
35    .WebDisableRedirections = False
36    .Refresh BackgroundQuery:=False
37  End With
38 End Sub
39
```

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```
1 Option Explicit
2
3 Sub RefreshSubscribers()
4 Dim SubLink As String
5 If Sheet1.Range("O7").Value = Empty Then Exit Sub
6 SubLink = Sheet1.Range("O7").Value
7 Sheet4.Range("B4:D9999").ClearContents
8 'Refresh Subscribers
9 On Error Resume Next
10 ActiveWorkbook.Connections("SubConnection").Delete
11 On Error GoTo 0
12 On Error Resume Next
13 Sheet4.Names("Sub_Connection").Delete
14 On Error GoTo 0
15 With Sheet4.QueryTables.Add(Connection:="URL;" & SubLink, Destination:=Sheet4.Range(
16 "$A$1" ))
17 .Name = "Sub_Connection"
18 .FieldNames = True
19 .RowNumbers = False
20 .FillAdjacentFormulas = False
21 .PreserveFormatting = False
22 .RefreshOnFileOpen = False
23 .BackgroundQuery = True
24 .RefreshStyle = xlOverwriteCells
25 .SavePassword = False
26 .SaveData = True
27 .AdjustColumnWidth = True
28 .RefreshPeriod = 0
29 .WebSelectionType = xlEntirePage
30 .WebFormatting = xlWebFormattingAll
31 .WebPreFormattedTextToColumns = True
32 .WebConsecutiveDelimitersAsOne = True
33 .WebSingleBlockTextImport = False
34 .WebDisableDateRecognition = False
35 .WebDisableRedirections = False
36 .Refresh BackgroundQuery:=False
37 End With
38 End Sub
39 Sub RefreshUnsubscribers()
40 Dim UnsubLink As String
41 If Sheet1.Range("O9").Value = Empty Then Exit Sub
42 UnsubLink = Sheet1.Range("O9").Value
43 Sheet5.Range("B4:D9999").ClearContents
44 On Error Resume Next
45 ActiveWorkbook.Connections("Connection").Delete
46 On Error GoTo 0
47 On Error Resume Next
48 Sheet5.Names("Unsub_Connection").Delete
49 On Error GoTo 0
50 With Sheet5.QueryTables.Add(Connection:="URL;" & UnsubLink, Destination:=Sheet5.Range(
51 "$A$1" ))
52 .Name = "Unsub_Connection"
53 .FieldNames = True
54 .RowNumbers = False
55 .FillAdjacentFormulas = False
56 .PreserveFormatting = False
57 .RefreshOnFileOpen = False
58 .BackgroundQuery = True
59 .RefreshStyle = xlOverwriteCells
60 .SavePassword = False
61 .SaveData = True
```

```
1 2
60 .AdjustColumnWidth = True
61 .RefreshPeriod = 0
62 .WebSelectionType = xlEntirePage
63 .WebFormatting = xlWebFormattingAll
64 .WebPreFormattedTextToColumns = True
65 .WebConsecutiveDelimitersAsOne = True
66 .WebSingleBlockTextImport = False
67 .WebDisableDateRecognition = False
68 .WebDisableRedirections = False
69 .Refresh BackgroundQuery:=False
70 End With
71 End Sub
72
73
74 Sub UpdateMainSubscriberList()
75 Dim LastSubRow, LastUnsubRow As Long
76 LastSubRow = Sheet4.Range("B9999" ).End(xlUp).Row 'Last Subscriber Row
77 Sheet3.Range("A3:D9999" ).ClearContents
78 Sheet3.Range("B3:C" & LastSubRow - 1).Value = Sheet4.Range("B4:C" & LastSubRow).Value
79 'Copy Over Emails
80 Sheet3.Range("D3:D" & LastSubRow - 1).Formula =
81 "=IF(ISERROR(MATCH(C3,UnsubEmails,0))=TRUE," & Chr(34) & "Yes" & Chr(34) & "," & Chr(34)
82 ) & "No" & Chr(34) & ")"
83 Sheet3.Calculate
84 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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