

VBA SOURCE CODE BOOK



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Help Desk Manager & Send
Data To Google Sheets



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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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Projects.....	2
VBAProject	2
Documents	2
Sheet1.....	2
(Declarations).....	2
Worksheet_SelectionChange [Sub]	2
Sheet2.....	4
(Declarations).....	4
Sheet3.....	6
(Declarations).....	6
Sheet4.....	8
(Declarations).....	8
ThisWorkbook	10
(Declarations).....	10
Forms	12
SubmitTicketForm	12
(Declarations).....	12
CancelBtn_Click [Sub]	12
SubmitBtn_Click [Sub]	12
UserForm_Initialize [Sub]	12
Modules.....	14
EmailMacros	14
(Declarations).....	14
EmailResponse [Sub].....	14
SubmitTicket_Macros.....	16
(Declarations).....	16
DispaySubmitTicketForm [Sub]	16
SendTicket [Sub].....	16
UpdateTicketsMacros.....	18
(Declarations).....	18
RefreshDataConnection [Sub].....	18
TicketLoad [Sub]	18
TicketSaveUpdate [Sub]	18
UpdateTickets [Sub].....	18

```
1 Option Explicit
2
3 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
4     If Not Intersect(Target, Range("D17:K9999" )) Is Nothing And Range("D" & Target.Row).
5         Value <> Empty Then
6             Range("B3" ).Value = Target.Row 'Add Selected Row
7             TicketLoad 'Load Ticket Details
8         End If
9     End Sub
```

E

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

I

Intersect, [2](#)

R

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

T

Target, [2](#)
TicketLoad, [2](#)

V

Value, [2](#)

W

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

E

Explicit, [10](#)

```
1 Option Explicit
2
3 Private Sub CancelBtn_Click()
4     Unload Me
5 End Sub
6
7
8 Private Sub SubmitBtn_Click()
9     SubmitTicketForm.Hide
10    SendTicket
11 End Sub
12
13 Private Sub UserForm_Initialize()
14     Me.IssueType.List = Array("VBA Bug" , "Visual Defect" , "Missing Feature" , "Other" )
15 End Sub
```

A

Array, [12](#)

C

CancelBtn_Click, [12](#)

E

Explicit, [12](#)

H

Hide, [12](#)

I

IssueType, [12](#)

L

List, [12](#)

S

SendTicket, [12](#)

SubmitBtn_Click, [12](#)

SubmitTicketForm, [12](#)

U

Unload, [12](#)

UserForm_Initialize, [12](#)


```
1 Option Explicit
2
3 Sub EmailResponse()
4     Dim EmailTempCol As Long, VariableRow As Long
5     Dim Mess As String, Subj As String, Email As String
6     Dim OutApp As Object, OutMail As Object
7     If Sheet1.Range("B4").Value = "" Then
8         MsgBox "Please select a correct email template from the drop down list"
9         Exit Sub
10    End If
11    Set OutApp = CreateObject("Outlook.Application") 'Sets the Outlook Application
12    EmailTempCol = Sheet1.Range("B4").Value 'Get selected Email template column
13    Email = Sheet1.Range("E6").Value 'Email Address
14
15    With Sheet2
16        Subj = .Cells(3, EmailTempCol).Value 'Subject
17        Mess = .Cells(4, EmailTempCol).Value 'Email Body Message
18
19        For VariableRow = 6 To 11
20            Subj = Replace(Subj, .Cells(VariableRow, 3).Value, .Cells(VariableRow, 4).Value)
21            Mess = Replace(Mess, .Cells(VariableRow, 3).Value, .Cells(VariableRow, 4).Value)
22        Next VariableRow
23
24        Set OutMail = OutApp.CreateItem(0) 'Creates the email
25        With OutMail
26            .to = Email 'Email Address
27            .Subject = Subj 'Email Subject
28            .Body = Mess 'Create Message
29            .Display 'Display message use .Send to send without displaying first
30        End With
31    End With
32 End Sub
```

B

Body, [14](#)

C

Cells, [14](#)

CreateItem, [14](#)

CreateObject, [14](#)

D

Display, [14](#)

E

Email, [14](#)

EmailResponse, [14](#)

EmailTempCol, [14](#)

Explicit, [14](#)

M

Mess, [14](#)

MsgBox, [14](#)

O

OutApp, [14](#)

OutMail, [14](#)

R

Range, [14](#)

Replace, [14](#)

S

Sheet1, [14](#)

Sheet2, [14](#)

Subj, [14](#)

Subject, [14](#)

V

Value, [14](#)

VariableRow, [14](#)

```
1 Option Explicit
2
3 Sub DispaySubmitTicketForm()
4 SubmitTicketForm.Show
5 End Sub
6 Sub SendTicket()
7 'This Macro Requires Reference to "Microsoft XML, v6.0" (VBA Editor > Tools > References,
8 find & select from list)
9 'Created By Randy Austin of www.ExcelForFreelancers.com
10
11 'https://docs.google.com/forms/d/e/1FAIpQLScaXsTsNxWDNxg4CuMIpm3uKy4aFFm8aC8Fw2pzhSYZN8snTA
12 /viewform?usp=pp_url&entry.1301421684=TestName&entry.606095064=Test@email.com&entry.2080720
13 803=VBA+Bug&entry.1773665967=TestDesc
14 Dim SendLink As String, StartLink As String, EndLink As String, HeaderName As String,
15 SendID As String
16 Dim ReportedBy As String, EmailAdd As String, IssType As String, IssDesc As String
17 Dim TicketInfo As MSXML2.ServerXMLHTTP60
18 HeaderName = "Content-Type"
19 SendID = "application/x-www-form-urlencoded; charset=utf-8"
20 'Get Form Details
21 ReportedBy = SubmitTicketForm.SenderName.Value 'Reported By Name
22 EmailAdd = SubmitTicketForm.SenderEmail.Value 'Reported By Email Address
23 IssType = SubmitTicketForm.IssueType.Value 'Issue Type
24 IssDesc = SubmitTicketForm.Description.Value 'Issue Description
25
26 'Please update the links with your own link from Google Forms
27 StartLink =
28 "https://docs.google.com/forms/d/e/1FAIpQLScaXsTsNxWDNxg4CuMIpm3uKy4aFFm8aC8Fw2pzhSYZN8snTA
29 /formResponse?ifq"
30 EndLink = "&entry.1301421684=" & ReportedBy & "&entry.606095064=" & EmailAdd &
31 "&entry.2080720803=" & IssType & "&entry.1773665967=" & IssDesc & "&submit=Submit"
32 SendLink = StartLink & EndLink
33
34 Set TicketInfo = New ServerXMLHTTP60
35 TicketInfo.Open "POST" , SendLink, False
36
37 TicketInfo.setRequestHeader HeaderName, SendID
38 TicketInfo.send
39
40 If TicketInfo.statusText = "OK" Then 'Check for successful send
41 MsgBox "Thank you for submitting a ticket. We will email you a response shortly"
42 Else
43 MsgBox "Please check your internet conenction & required details"
44 End If
45 End Sub
46
47
48
49
50
```

D

Description, [16](#)
DispaySubmitTicketForm, [16](#)

E

EmailAdd, [16](#)
EndLink, [16](#)
Explicit, [16](#)

H

HeaderName, [16](#)

I

IssDesc, [16](#)
IssType, [16](#)
IssueType, [16](#)

M

MsgBox, [16](#)
MSXML2, [16](#)

O

Open, [16](#)

R

ReportedBy, [16](#)

S

send, [16](#)
SenderEmail, [16](#)
SenderName, [16](#)
SendID, [16](#)
SendLink, [16](#)
SendTicket, [16](#)
ServerXMLHTTP60, [16](#)
setRequestHeader, [16](#)
Show, [16](#)
StartLink, [16](#)
statusText, [16](#)
SubmitTicketForm, [16](#)

T

TicketInfo, [16](#)

V

Value, [16](#)

```

1  Option Explicit
2
3  Sub RefreshDataConnection()
4      ThisWorkbook.RefreshAll
5      Dim FirstAvailRow As Long, LastRow As Long, LastImportRow As Long, FirstImportRow As Long,
        RowQty As Long
6      Dim LastTicketRow As Long, LastResultRow As Long
7
8      With Sheet3
9          LastTicketRow = Sheet1.Range("B6" ).Value
10         LastImportRow = Sheet4.Range("B99999" ).End(xlUp).Row 'Last Import Row
11         If LastImportRow < 5 Then
12             Exit Sub
13         End If
14         If LastImportRow = Sheet1.Range("B6" ).Value Then GoTo NoNewData
15         If LastImportRow > Sheet1.Range("B6" ).Value Then
16             FirstImportRow = Sheet1.Range("B6" ).Value + 1 'Next Row
17         Else: 'On First time import
18             FirstImportRow = 5
19         End If
20         If FirstImportRow < 5 Then FirstImportRow = 5
21         RowQty = LastImportRow - FirstImportRow + 1
22         FirstAvailRow = .Range("A99999" ).End(xlUp).Row + 1 'First Available Row
23         .Range("B" & FirstAvailRow & ":F" & FirstAvailRow + RowQty - 1).Value = Sheet4.Range(
                "B" & FirstImportRow & ":F" & LastImportRow).Value 'Copy Over Data
24         .Range("A" & FirstAvailRow & ":A" & FirstAvailRow + RowQty - 1).Formula = "=Row()-2"
25         .Range("G" & FirstAvailRow & ":G" & FirstAvailRow + RowQty - 1).Value = "Open" 'Set
                all new status to Open
26         .Range("I" & FirstAvailRow & ":I" & FirstAvailRow + RowQty - 1).Formula = "=Row()"
27         Sheet1.Range("B6" ).Value = LastImportRow 'Set Last Import Row
28     End With
29     NoNewData:
30     UpdateTickets
31     If RowQty <> 0 Then MsgBox RowQty & " new tickets have been imported" Else: MsgBox "No
        new tickets have been found"
32 End Sub
33
34 Sub TicketLoad()
35     Dim TicketRow As Long, TicketCol As Long
36     With Sheet1
37         If .Range("B3" ).Value = Empty Then Exit Sub
38         TicketRow = .Range("B3" ).Value
39         For TicketCol = 4 To 11
40             .Range(.Cells(14, TicketCol).Value).Value = .Cells(TicketRow, TicketCol).Value
                'Load Ticket Data
41         Next TicketCol
42     End With
43 End Sub
44
45 Sub TicketSaveUpdate()
46     Dim TicketRow As Long, TicketCol As Long, SelRow As Long
47     SelRow = Sheet1.Range("B3" ).Value 'Selected Row
48     TicketRow = Sheet1.Range("L" & SelRow).Value 'Ticket Row
49     For TicketCol = 2 To 8
50         Sheet3.Cells(TicketRow, TicketCol).Value = Sheet1.Range(Sheet1.Cells(14, TicketCol + 3)
                .Value).Value
51     Next TicketCol
52     UpdateTickets
53 End Sub
54 Sub UpdateTickets()

```

1

```
1
55 Dim LastTicketRow As Long, LastResultRow As Long
56 Sheet1.Range("D17:L9999").ClearContents 'Clear Existing Data
57 With Sheet3
58     LastTicketRow = .Range("A9999").End(xlUp).Row 'Last Ticket Row
59     If LastTicketRow < 3 Then Exit Sub
60     'Run Advanced Filter based on Open checkbox
61     .Range("A2:I" & LastTicketRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
62         "N2:N3" ), CopyToRange:=.Range("P2:X2" ), Unique:=False
63     LastResultRow = .Range("P9999").End(xlUp).Row 'Last Results Row
64     If LastResultRow < 3 Then Exit Sub 'No Results
65     Sheet1.Range("D17:L" & LastResultRow + 14).Value = .Range("P3:X" & LastResultRow).
66     Value 'Bring over all data
67 End With
68 End Sub
```

A

AdvancedFilter, 19

C

Cells, 18

ClearContents, 19

CopyToRange, 19

CriteriaRange, 19

E

Empty, 18

Explicit, 18

F

FirstAvailRow, 18

FirstImportRow, 18

Formula, 18

L

LastImportRow, 18

LastResultRow, 18, 19

LastRow, 18

LastTicketRow, 18, 19

M

MsgBox, 18

N

NoNewData, 18

R

Range, 18, 19

RefreshAll, 18

RefreshDataConnection, 18

Row, 18, 19

RowQty, 18

S

SelRow, 18

Sheet1, 18, 19

Sheet3, 18, 19

Sheet4, 18

T

ThisWorkbook, 18

TicketCol, 18

TicketLoad, 18

TicketRow, 18

TicketSaveUpdate, 18

U

Unique, 19

UpdateTickets, 18

V

Value, 18, 19

X

xlFilterCopy, 19

xlUp, 18, 19

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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