


VBA SOURCE CODE BOOK

ATTACHMENTS PT. 2



Attachments Pt. 2

Customer Name: Fred Calderon
Address: 1248 Sandstone Ave.
City: Santa Monica
Email: Fred@Gmail.com
Notes: Test

Filename	Type	Preview
		

Customer ID	Customer Name	Address	City	Email	Notes
1021	John Abners	12345 Main St.	Los Angeles	John@Gmail.com	Test Notes
1022	David Breakman	45414 Maple St.	San Diego	David@Gmail.com	Customer Pays On time
	Fred Calderon	1248 Sandstone Ave.	Santa Monica	Fred@Gmail.com	Test
4	Jimmy Dean	12983 Park Street	Sacramento	Jimmy@Gmail.com	Customer Was Late
5	Frank Fredders	4578 Canoga Ave.	Woodland Hills	Frank@Gmail.com	These are test notes
1026	Frank@Gmail.com	12151 Wilshire Blvd.	West LA	Jeff@Gmail.com	On Vacation
1027	Lisa Lanie	45787 Davidson St.	Granada Hills	Lisa@Gmail.com	Test
1028	Debbie Lorenzos	4551 Oak Ridge Ave.	Ventura	David@Gmail.com	Test Friendly Customer
1029	Fred Fredder	15487 Fairview Ln.	Thousand Oaks	Fred@Gmail.com	Test Notes 4
1030	Alex Sampson	2154 Dabney Rd	Los Angeles	Jimmy@Gmail.com	Test Notes
1031	Mary Sampson	4581 Hollands Dr.	Hollywood	Frankenstien@Gmail.com	



Excel For Freelancers

How To Create Unlimited File Attachments With A Thumbnail Preview In Excel [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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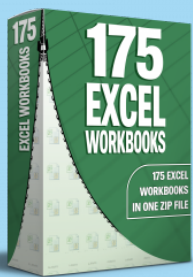
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```
1
2
3 Private Sub Worksheet_BeforeDoubleClick(ByVal Target As Range, Cancel As Boolean)
4     If Not Intersect(Target, Range("H3:H10" )) Is Nothing And Range("H" & Target.Row).Value <
5         > "" Then
6         OpenAttachment
7     End If
8     If Not Intersect(Target, Range("E2:F10" )) Is Nothing And Range("A" & Target.Row).Value <
9         > Empty Then
10        Cells(Range("B12" ).Value, Range("A" & Target.Row).Value).Value = Target.Value
11    End If
12 End Sub
13
14
15 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
16     If Target.Count > 1 Then Exit Sub
17     If Not Intersect(Target, Range("D14:J28" )) Is Nothing Then
18         StopCode
19         Range("B12" ).Value = Target.Row
20         Load_Customer
21         Attach_Refresh
22         ResetCode
23         Range("H3" ).Select
24     End If
25
26     If Not Intersect(Target, Range("H3:H10" )) Is Nothing Then
27         Range("B13" ).Value = Target.Row
28         Attach_DisplayThumbnail
29     End If
30
31 End Sub
```

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1 Option Explicit

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1  Option Explicit
2
3  Sub Attach_Add()
4      Dim FileFldr As FileDialog
5      Dim FileName, OrigFilePath, FileType, DestFileFolder, DestFilePath, CustID, CustName As String
6      Dim LastAttRow As Long
7      DestFileFolder = Sheet2.Range("F1").Value
8      If DestFileFolder = "" Then 'If user has not added a main folder yet
9          MsgBox "Before attaching any files for this customer, please select a dedicated" &
10             vbCrLf & "folder to store the individual Contact Folders & Files"
11             Sheet2.Activate
12             Sheet2.Range("F1").Select
13             BrowseAttachFolder
14             Exit Sub
15         End If
16         CustID = Sheet1.Range("B15").Value 'Customer ID
17         CustName = Sheet1.Range("E" & Sheet1.Range("B12").Value).Value
18         Set FileFldr = Application.FileDialog(msoFileDialogFilePicker)
19         With FileFldr
20             .Title = "Select file to attach"
21             .Filters.Add "All Files", "*.*", 1
22             If .Show <> -1 Then GoTo NoSelection
23             OrigFilePath = .SelectedItems(1)
24             FileName = Dir(OrigFilePath)
25             FileType = Right(FileName, Len(FileName) - InStr(Dir(FileName), "."))
26         End With
27
28         'Check if Contact Folder exists, if not, add it.
29         If Len(Dir(DestFileFolder & "\" & CustName, vbDirectory)) = 0 Then
30             Mkdir DestFileFolder & "\" & CustName
31         End If
32         DestFilePath = DestFileFolder & "\" & CustName & "\" & FileName
33         FileCopy OrigFilePath, DestFilePath 'Copy user selected file into appropriate contacts folder
34         'Kill (OrigFilePath) 'If you want to delete the original file in the original location
35
36         With Sheet2
37             LastAttRow = .Range("D9999").End(xlUp).Row + 1 'First Avail. Attachment Row
38             .Range("D" & LastAttRow).Value = CustID 'Customer ID
39             .Range("E" & LastAttRow).Value = FileName
40             .Range("F" & LastAttRow).Value = FileType
41             .Range("G" & LastAttRow).Value = DestFilePath
42             .Range("H" & LastAttRow).Value = "=Row()"
43         End With
44
45         Attach_Refresh 'Refresh List To Display New Attachment
46         Sheet1.Range("H3").Select 'Select First Item to Display Thumbnail (if any)
47         Attach_DisplayThumbnail
48         NoSelection:
49
50     End Sub
51
52     Sub Attach_Delete()
53         Dim CustID, AttRow As Long
54         If Sheet1.Range("K" & ActiveCell.Row).Value = Empty Then
55             MsgBox "Please select an Attachment to delete first"
56             Exit Sub
57         End If
58         On Error Resume Next

```

```

1
59 Sheet1.Shapes("ThumbPic" ).Delete
60 On Error GoTo 0
61
62 AttRow = Sheet1.Range("K" & ActiveCell.Row).Value 'Attachement Row
63 Sheet2.Range(AttRow & ":" & AttRow).EntireRow.Delete
64 Attach_Refresh
65 Sheet1.Range("H3" ).Select
66 Attach_DisplayThumbnail
67 End Sub
68
69 Sub Attach_DisplayThumbnail()
70 Dim AttRow, AttTableRow As Long
71 Dim FileType, FilePath, ThumbType As String
72 With Sheet1
73 On Error Resume Next
74 .Shapes("ThumbPic" ).Delete
75 On Error GoTo 0
76 If .Range("B13" ).Value = Empty Then Exit Sub 'Exit on No AttachmentRow
77 AttRow = .Range("B13" ).Value 'Set Attachment Row
78 FileType = LCase(.Range("I" & AttRow).Value)
79 AttTableRow = .Range("K" & AttRow).Value 'Attachement Table Row
80 If FileType = "jpg" Or FileType = "png" Or FileType = "gif" Or FileType = "jpeg" Or
81 FileType = "bmp" Then
82     FilePath = Sheet2.Range("G" & AttTableRow).Value 'Full File Path
83     With .Pictures.Insert(FilePath)
84         .Name = "ThumbPic"
85
86         If .Height > .Width Then
87             .Height = 118
88             .Width = (.Width / .Height) * .Height
89         Else
90             .Width = 118
91             .Height = (.Height / .Width) * .Width
92         End If
93     End With
94 Else: 'Display Icon Thumbnail for other Document Types
95     Select Case FileType
96     Case "xls" , "xlsx" , "xlsm" , "xlsb"
97         ThumbType = "Excel"
98     Case "pdf"
99         ThumbType = "PDF"
100    Case "doc" , "docx"
101        ThumbType = "Word"
102    End Select
103    If ThumbType = "Excel" Then
104        .Shapes("ExcelThumb" ).Duplicate
105        .Shapes("ExcelThumb" ).Name = "ThumbPic"
106    End If
107    If ThumbType = "Word" Then
108        .Shapes("WordThumb" ).Duplicate
109        .Shapes("WordThumb" ).Name = "ThumbPic"
110    End If
111    If ThumbType = "PDF" Then
112        .Shapes("PDFThumb" ).Duplicate
113        .Shapes("PDFThumb" ).Name = "ThumbPic"
114    End If
115    If ThumbType = Empty Then
116        .Shapes("NoPrevThumb" ).Duplicate
117        .Shapes("NoPrevThumb" ).Name = "ThumbPic"
118    End If

```

1 2 3

```

119     .Shapes("ThumbPic" ).Visible = msoCTrue
120     End If
121     With .Shapes("ThumbPic" )
122         .LockAspectRatio = msoFalse
123         .Left = Sheet1.Range("J3" ).Left
124         .Top = Sheet1.Range("J3" ).Top
125         .IncrementLeft 20
126         .IncrementTop 2
127     End With
128
129
130
131
132     End With
133 End Sub
134
135 Sub Attach_Refresh()
136     Dim CustID, AttRow, LastAttRow, LastFiltRow, FiltRow As Long
137     If Application.Calculation = xlCalculationAutomatic Then StopCode
138     CustID = Sheet1.Range("B15" ).Value 'Customer ID
139     Sheet1.Range("H3:K10" ).ClearContents 'Clear Old Attachemets
140     AttRow = 3 'Set Starting Attachments Row
141     With Sheet2
142         .Range("AA2:AE2,AA4:AE9999" ).ClearContents 'Clear Prev Adv. Filter
143         .Range("AA2" ).Value = CustID 'Set Cust. ID as Filter
144         LastAttRow = .Range("D9999" ).End(xlUp).Row
145         If LastAttRow < 4 Then GoTo NoData
146         .Range("D3:H" & LastAttRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
147             "AA1:AE2" ), CopyToRange:=.Range("AA3:AE3" ), Unique:=True
148         LastFiltRow = .Range("AA9999" ).End(xlUp).Row 'Last Filtered Row
149         If LastFiltRow < 4 Then Exit Sub 'If no Attach. found then Exit
150         For FiltRow = LastFiltRow To 4 Step -1 'Use Reverse For next to put most recent
151             Attach. First
152             Sheet1.Range("H" & AttRow).Value = .Range("AB" & FiltRow).Value 'Copy Over
153             Filename
154             Sheet1.Range("I" & AttRow).Value = .Range("AC" & FiltRow).Value 'Type
155             Sheet1.Range("K" & AttRow).Value = .Range("AE" & FiltRow).Value 'Copy Over Row
156             AttRow = AttRow + 1
157             If AttRow = 11 Then Exit Sub 'Exit If Table is Full
158         Next FiltRow
159     End With
160     NoData:
161     ResetCode
162 End Sub

```

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1 Option Explicit
2
3 Sub ResetCode()
4     With Application
5         .Calculation = xlCalculationAutomatic
6         .ScreenUpdating = True
7     End With
8 End Sub
9
10 Sub StopCode()
11     With Application
12         .Calculation = xlCalculationManual
13         .ScreenUpdating = False
14     End With
15 End Sub
16
17
18
19 Sub Testtt()
20     With Sheet1
21         .Shapes("ExcelThumb" ).Duplicate
22
23         .Shapes("ExcelThumb" ).Name = "ThumbPic"
24         .Shapes("ThumbPic" ).Visible = msoCTrue
25     End With
26
27
28 End Sub
```

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```
1 Option Explicit
2
3 Sub Load_Customer()
4     Dim CustRow, CustCol As Long
5     Dim Cell As String
6     'StopCode
7     With Sheet1
8         On Error Resume Next
9         .Shapes("ThumbPic" ).Delete
10        On Error GoTo 0
11        CustRow = .Range("B12" ).Value 'Customer Row
12        For CustCol = 4 To 9
13            Cell = .Cells(11, CustCol).Value
14            .Range(Cell).Value = .Cells(CustRow, CustCol).Value
15        Next CustCol
16    End With
17    'ResetCode
18 End Sub
```

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```
1 Option Explicit
2 Sub GetFolder()
3     Dim PDFFldr As FileDialog
4     Dim sItem As String
5     Dim strPath As String
6     Set PDFFldr = Application.FileDialog(msoFileDialogFolderPicker)
7     With PDFFldr
8         .Title = "Select a Folder"
9         .AllowMultiSelect = False
10        .InitialFileName = strPath
11        If .Show <> -1 Then GoTo NextCode
12        sItem = .SelectedItems(1)
13    End With
14    Sheet1.Range("S3").Value = sItem
15    NextCode:
16    'GetFolder = sItem
17    Set PDFFldr = Nothing
18 End Sub
19
```

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```
1 Option Explicit
2
3 Sub BrowseAttachFolder()
4     Dim FileFldr As FileDialog
5     Dim sItem As String
6     Dim strPath As String
7     Set FileFldr = Application.FileDialog(msoFileDialogFolderPicker)
8     With FileFldr
9         .Title = "Select a Folder"
10        .AllowMultiSelect = False
11        .InitialFileName = strPath
12        If .Show <> -1 Then GoTo UserCancel
13        Sheet2.Range("F1" ).Value = .SelectedItems(1)
14    End With
15    UserCancel:
16 End Sub
17
18 Sub ClearFilter()
19     Sheet2.AutoFilterMode = False
20 End Sub
21
22
23 Sub OpenAttachment()
24     Dim FilePath As String
25     If Sheet1.Range("K" & ActiveCell.Row).Value <> Empty Then ThisWorkbook.FollowHyperlink (
26         Sheet2.Range("G" & Sheet1.Range("K" & ActiveCell.Row).Value).Value)
27 End Sub
28
29 Sub ViewAllCustAttachments()
30     Dim CustID As String
31     Dim LastRow As Long
32     ClearFilter 'Clear Any Previous
33     CustID = Sheet1.Range("B15" ).Value
34     With Sheet2
35         .Activate
36         LastRow = .Range("D99999" ).End(xlUp).Row
37         .Range("D3:H" & LastRow).AutoFilter Field:=1, Criteria1:="=" & CustID
38     End With
39 End Sub
40
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Thank You!

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Thank you so much for your continued shares, likes and support. It really helps.



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