

# VBA SOURCE CODE BOOK



Create A Drag & Drop Family  
Tree Maker In Excel



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by: *Randy Austin*

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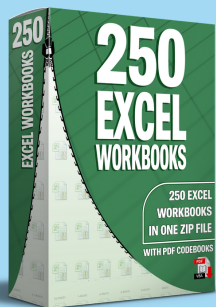
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1  
2

Option Explicit

1  
2

Option Explicit

```
1 Option Explicit
2
3 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
4     If Target.CountLarge > 1 Then Exit Sub
5     If Not Intersect(Target, Range("D4:D999" )) Is Nothing And Range("C" & Target.Row).
6         Value <> Empty Then
7         Range("B5" ).Value = Target.Row
8         Range("B2" ).Value = Range("C" & Target.Row).Value 'Family ID
9         FamilyTree_Refresh
10    End If
11 End Sub
```

1 Option Explicit

2



1  
2

Option Explicit

```
1 Option Explicit
2
3
4 Private Sub CancelBtn_Click()
5     AddFamily.Hide
6 End Sub
7
8 Private Sub SaveBtn_Click()
9     FamilyTree_SaveNew
10 End Sub
```

```
1  
2 Option Explicit  
3  
4  
5 Private Sub AddPicBtn_Click()  
6     Member_AddPic  
7 End Sub  
8  
9 Private Sub CancelBtn_Click()  
10    MembForm.Hide  
11 End Sub  
12  
13  
14 Private Sub SaveBtn_Click()  
15    Member_Save 'Run Macro To Save Member  
16 End Sub
```

```
1 Option Explicit
2
3
4 Sub BrowseForMemberPicFolder()
5     Dim MembFolder As FileDialog
6     Set MembFolder = Application.FileDialog(msoFileDialogFolderPicker)
7     With MembFolder
8         .Title = "Browse For Member Folder"
9         .AllowMultiSelect = False
10        If .Show <> -1 Then GoTo NoSelection
11        Admin.Range("C3").Value = .SelectedItems(1)
12    End With
13    NoSelection:
14 End Sub
15
16 Sub PrintFamilyTree()
17     FamilyTree.PrintOut , , , False, True, False, , , False
18 End Sub
```

```

1 Option Explicit
2 Dim FamName As String, TreeID As String, MembName As String, PicFolder As String,
  PicName As String, PicFile As String, MembLoc As String
3 Dim FamRow As Long, MembNum As Long, MembRow As Long, EndNum As Long, RowNum As Long
  , DisplayRow As Long, MembDBRow As Long
4 Dim LastRow As Long, LastResultRow As Long, ResultRow As Long, SibQty As Long
5 Dim DestRow As Long, DestCol As Long, SelRow As Long, CountDelay As Long, FoundMembRow
  As Long, FoundLocRow As Long
6 Dim TopPos As Double, LeftPos As Double
7 Dim MembShp As Shape
8 Sub Families_Load()
9     FamilyTree.Range("C4:D999").ClearContents
10    LastRow = FamTreeDB.Range("A9999").End(xlUp).Row
11    If LastRow < 4 Then Exit Sub
12    FamilyTree.Range("C4:D" & LastRow).Value = FamilyDB.Range("A4:B" & LastRow).Value
    'Bring Over family Data
13 End Sub
14 Sub FamilyTree_AddNew()
15     Unload AddFamily
16     AddFamily.SibNum.Value = 1 'Set Default Sibling Qty To 1
17     AddFamily.Show
18 End Sub
19
20 Sub FamilyTree_CheckForMove()
21     With FamilyTree
22         If .Range("B6").Value = Empty Then Exit Sub
23         SelRow = .Range("B6").Value 'Member Row
24         MembName = .Shapes("MembRow" & SelRow).TextFrame2.TextRange.Text 'Extract
            Member Name
25         FamRow = .Range("B3").Value 'Family Row
26         SibQty = FamilyDB.Range("D" & FamRow).Value 'Sibling qty
27         For CountDelay = 1 To 10000
28             DoEvents
29             If .Range("B10").Value = True Then End 'Exit Loop on Move Member Move = True
30
31             If ActiveSheet.Name <> "Family Tree" Then End
32             On Error GoTo EndMac
33             With .Shapes("MembGrp" & SelRow)
34                 If .Left <> FamilyTree.Range("E" & SelRow).Left Or .Top <> FamilyTree.
                    Range("E" & SelRow).Top Then 'Move Detect
35                     'Check for incorrect move
36                     If .Left < FamilyTree.Range("F1").Left Or .Left > FamilyTree.Range(
                        "W1").Left Or .Top > FamilyTree.Range("A29").Top Or .Top < FamilyTree.
                            Range("A3").Top - 1 Then
37                         MsgBox "Plase make sure to move the family member onto the family
                            tree"
38                         FamilyTree_Refresh 'Run Macro To Refresh Family Tree
39                         Exit Sub
40                     End If
41                     DestRow = FamilyTree.Shapes("MembGrp" & SelRow).TopLeftCell.Row
42                     DestCol = FamilyTree.Shapes("MembGrp" & SelRow).TopLeftCell.Column - 6
43                     Select Case DestRow
44                         Case 3 To 7 'First Row (Family Tier 5)
45                             MembRow = 5 'Set Tier 5
46                             MembNum = DestCol 'Set Member Number Based On Row
47                         Case 8 To 12 'Second Row (Family Tier 4)
48                             MembRow = 4 'Set Tier 4
49                             MembNum = (DestCol Mod 2 + DestCol) / 2 'Set Member Number Based
                            On Row
50

```

1 2 3 4 5 6

```

1 2 3 4 5 6
51 Case 13 To 17 'Third Row (Family Tier 3)
52     MembRow = 3 'Set Tier 3
53     MembNum = (DestCol Mod 4 + DestCol) / 4 'Set Member Number Based
54     On Row
55 Case 18 To 22 'Fourth Row (Family Tier 2)
56     MembRow = 2 'Set Tier 2
57     MembNum = (DestCol Mod 8 + DestCol) / 8 'Set Member Number Based
58     On Row
59 Case 23 To 29 'Fifth Row (Family Tier 1)
60     MembRow = 1 'Set Tier 1
61     If SibQty <> 1 Then
62         MembNum = ((DestCol Mod 5 + DestCol) / 5)
63     Else
64         MembNum = 1 'Tier 1 only has 1 member (unless we add siblings)
65     End If
66
67 End Select
68
69 MembLoc = MembRow & "_" & MembNum 'Set Member Location
70 ResultRow = SelRow - 1 'Set ResultRow
71 MembDBRow = FamTreeDB.Range("Y" & ResultRow).Value 'Family Member
72 Database Row
73
74 'Check To see if Position fill, and if so, as user if they want to
75 replace
76 FoundLocRow = 0 'Set Intial Found location
77 On Error Resume Next
78 FoundLocRow = FamTreeDB.Range("FamResults_Loc" ).Find(MembLoc, ,
79 xlValues, xlWhole).Row
80 On Error GoTo 0
81 If FoundLocRow <> 0 Then 'Location Already Used. Ask user if they want
82 to replace the family member
83     If MsgBox("This Tree Location is already occupied by another member.
84 Do you want to replace them?" , vbYesNo, "Location Occupied" ) = vbNo
85     Then
86         FamilyTree_Refresh
87         Exit Sub
88     End If
89     MembDBRow = FamTreeDB.Range("Y" & FoundLocRow).Value 'Member DB Row
90
91     FamTreeDB.Range("J" & MembDBRow).ClearContents 'Clear Location From
92     Current Family Member
93     MembDBRow = FamTreeDB.Range("Y" & ResultRow).Value 'Reset Member
94     Database Row
95 End If
96 FamTreeDB.Range("J" & MembDBRow).Value = MembLoc 'Save Updated/New
97 Location
98 FamilyTree_Refresh 'Refresh Family Tree
99 FamilyTree.Range("B10" ).Value = True 'Set Move Member to true
100 End
101 End If
102 End With
103 Next CountDelay
104 EndMac:
105 .Range("B10" ).Value = True 'Set Move Memberment to True
106 .Range("E2" ).Select 'Select something other than the selected shape when time
107 has run out
108 End With

```

1

```

1
99 End Sub
100
101
102
103
104 Sub FamilyTree_LoadFamily()
105 Dim Line1 As String, Line2 As String, Line3 As String, DetText As String, MembLoc As
String
106 Dim DetCol1 As Long, DetCol2 As Long, DetCol3 As Long
107 With FamTreeDB
108 'Load In Family Members (if any)
109 LastRow = .Range("A99999").End(xlUp).Row
110 If LastRow < 4 Then Exit Sub
111 .Range("A3:K" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
"N2:N3" ), CopyToRange:=.Range("Q2:Y2" ), Unique:=True
112 LastResultRow = .Range("Q99999").End(xlUp).Row
113 PicFolder = [FamilyPicFolder] 'Family Picture folder
114 If LastResultRow < 3 Then Exit Sub
115 DisplayRow = 4 'Set intial Display Row
116 On Error Resume Next
117 DetCol1 = Admin.Range("AA6").Value 'Member Detail Line 1
118 DetCol2 = Admin.Range("AA7").Value 'Member Detail Line 2
119 DetCol3 = Admin.Range("AA8").Value 'Member Detail Line 3
120 On Error GoTo 0
121 For ResultRow = 3 To LastResultRow
122 MembName = .Range("Q" & ResultRow).Value 'Member Name
123 MembLoc = .Range("X" & ResultRow).Value 'Member Location
124 PicName = .Range("W" & ResultRow).Value 'Member Picture
125 PicFile = PicFolder & "\" & PicName 'Picture File Path (if any)
126
127 FamilyTree.Shapes("MemRowSample").Duplicate.Name = "MemRow" & DisplayRow
'Set Member Display Row
128 With FamilyTree.Shapes("MemRow" & DisplayRow)
129 .Left = FamilyTree.Range("E" & DisplayRow).Left 'Set Left Position
130 .Top = FamilyTree.Range("E" & DisplayRow).Top 'Set Top Position
131 .Width = FamilyTree.Range("E" & DisplayRow).Width 'Set Width
132 .Height = FamilyTree.Range("E" & DisplayRow).Height 'Set Height
133 .TextFrame2.TextRange.Text = MembName 'Set Member Name
134 End With
135
136 'Set Member List Picture
137 FamilyTree.Shapes("MemPicSample").Duplicate.Name = "MemPict" & DisplayRow
138 With FamilyTree.Shapes("MemPict" & DisplayRow)
139 .Left = FamilyTree.Range("E" & DisplayRow).Left 'Set Left Position
140 .Top = FamilyTree.Range("E" & DisplayRow).Top + 1 'Set Top Position
141 .Height = FamilyTree.Range("E" & DisplayRow).Height - 1 'Set Height
142 .Width = .Height 'Set Width to same as heght (square)
143 On Error Resume Next
144 If Dir(PicFile, vbDirectory) <> "" Or Dir(PicFile, vbDirectory) <> "."
Then .Fill.UserPicture PicFile
145 On Error GoTo 0
146 End With
147
148 If MembLoc = "" Then 'Member Not Yet Added to Family
149 'Group Without Checkbox
150 FamilyTree.Shapes.Range(Array("MemRow" & DisplayRow, "MemPict" &
DisplayRow)).Group.Name = "MembGrp" & DisplayRow 'Group Picture & Name
151 Else 'Member Added To Family
152 'Add in Added Checkbox
153 FamilyTree.Shapes("AddedSample").Duplicate.Name = "AddedCB" & DisplayRow
154 With FamilyTree.Shapes("AddedCB" & DisplayRow)

```

1 2 3 4 5

```

155     .Left = FamilyTree.Range("E" & DisplayRow).Left + FamilyTree.Range("E"
156     & DisplayRow).Width - 14 'Set Left Position
157     .Top = FamilyTree.Range("E" & DisplayRow).Top + 2 'Set Top Position
158     End With
159     'Group With Checkbox
160     FamilyTree.Shapes.Range(Array("MembRow" & DisplayRow, "MemPict" &
161     DisplayRow, "AddedCB" & DisplayRow)).Group.Name = "MembGrp" & DisplayRow
162     'Group Picture & Name
163     'Add in Member Text Details
164     If DetCol1 <> 0 Then Line1 = .Cells(ResultRow, DetCol1).Value 'Detail Row
165     1
166     If DetCol2 <> 0 Then Line2 = .Cells(ResultRow, DetCol2).Value 'Detail Row
167     2
168     If DetCol3 <> 0 Then Line3 = .Cells(ResultRow, DetCol3).Value 'Detail Row
169     3
170     DetText = Line1 & vbCrLf & Line2 & vbCrLf & Line3 'Detail Text
171     FamilyTree.Shapes("MembDet" & MembLoc).TextFrame2.TextRange.Text = DetText
172     On Error Resume Next
173     If Dir(PicFile, vbDirectory) <> "" Then FamilyTree.Shapes("MembPic" &
174     MembLoc).Fill.UserPicture PicFile
175     On Error GoTo 0
176     End If
177     DisplayRow = DisplayRow + 1
178     PicFile = ""
179     Next ResultRow
180     End With
181     End Sub
182     Sub FamilyTree_Refresh()
183     With FamilyTree 'Remove all existing members & connectors
184     .Range("B6" ).ClearContents 'Clear Selected Row
185     .Shapes("EditMemberbtn" ).Visible = msoFalse 'Hide Edit Member Button
186     .Shapes("ClearMemberBtn" ).Visible = msoFalse 'Hide Clear member button
187     For Each MembShp In .Shapes
188     On Error Resume Next
189     If InStr(MembShp.Name, "MembPic" ) > 0 Then MembShp.Delete 'Delete all member
190     pictures
191     If InStr(MembShp.Name, "MembDet" ) > 0 Then MembShp.Delete 'Delete all member
192     shapes
193     If InStr(MembShp.Name, "MembConn" ) > 0 Then MembShp.Delete 'Delete all
194     member Connectors
195     If InStr(MembShp.Name, "MembGrp" ) > 0 Then MembShp.Delete 'Delete all member
196     Rows
197     'If InStr(MembShp.Name, "MemPict") > 0 Then MembShp.Delete 'Delete all member
198     Rows
199     On Error GoTo 0
200     Next MembShp
201     EndNumb = 16 'Set Intial EndNumb to 16
202     TopPos = .Range("G3" ).Top 'Set Intial top Position
203     LeftPos = .Range("G3" ).Left 'Set Intial Left Position
204     FamRow = .Range("B3" ).Value 'Family row
205     SibQty = FamilyDB.Range("D" & FamRow).Value
206     If SibQty = 0 Then SibQty = 1 'Set Default to 1 on No Siblings
207     RowNumb = 1 'Set Intial Row Number
208     For MembRow = 5 To 1 Step -1 'Set Loop for Rows from top to bottom
209     If MembRow = 1 And SibQty <> 1 Then

```



```

1 2 3 4
202 EndNum = SibQty
203 End If
204 For MembNum = 1 To EndNum
205
206     'Create Default Member Picture Shape
207     If MembNum Mod 2 = 1 Then 'Default Female
208         .Shapes("Default_Female").Duplicate.Name = "MembPic" & MembRow & "_"
                & MembNum
209     Else 'Default Mal
210         .Shapes("Default_Male").Duplicate.Name = "MembPic" & MembRow & "_" &
                MembNum
211     End If
212
213     With .Shapes("MembPic" & MembRow & "_" & MembNum)
214     If MembRow = 1 And SibQty <> 1 Then
215         .Left = FamilyTree.Range("O1").Left - (SibQty * 107) + (MembNum *
                145) + 12
216     Else
217         .Left = LeftPos + 12 'Set Left Position
218     End If
219     .Top = TopPos 'Set Top Position
220 End With
221
222     'Create Member Details Shape
223     .Shapes("MemDetSample").Duplicate.Name = "MembDet" & MembRow & "_" &
                MembNum
224     With .Shapes("MembDet" & MembRow & "_" & MembNum)
225     If MembRow = 1 And SibQty <> 1 Then
226         .Left = FamilyTree.Range("O1").Left - (SibQty * 107) + (MembNum *
                145) + 3
227     Else
228         .Left = LeftPos + 3
229     End If
230     .Top = TopPos + FamilyTree.Shapes("MembPic" & MembRow & "_" & MembNum
                ).Height 'Set Top Position
231     .Width = FamilyTree.Range("G1").Width - 6
232 End With
233
234     'Add In Connectors (but not on top row)
235     If MembRow <> 5 Then
236         .Shapes("SampleConn").Duplicate.Name = "MembConnMother" & MembRow &
                "_" & MembNum
237         .Shapes("SampleConn").Duplicate.Name = "MembConnFather" & MembRow &
                "_" & MembNum
238         'Connector For Mother
239         With .Shapes("MembConnMother" & MembRow & "_" & MembNum).
                ConnectorFormat
240         .BeginConnect FamilyTree.Shapes("MembPic" & MembRow & "_" &
                MembNum), 1
241         If MembRow = 1 And SibQty <> 1 Then
242             .EndConnect FamilyTree.Shapes("MembDet" & MembRow + 1 & "_1"), 3
243         Else
244             .EndConnect FamilyTree.Shapes("MembDet" & MembRow + 1 & "_" & (
                MembNum * 2) - 1), 3
245         End If
246         End With
247         'Connector For Father
248         With .Shapes("MembConnFather" & MembRow & "_" & MembNum).
                ConnectorFormat
249         .BeginConnect FamilyTree.Shapes("MembPic" & MembRow & "_" &

```

```

1 2 3 4 5 6
250     MembNum), 1
251     If MembRow = 1 And SibQty <> 1 Then
252         .EndConnect FamilyTree.Shapes("MembDet" & MembRow + 1 & "_2" ), 3
253     Else
254         .EndConnect FamilyTree.Shapes("MembDet" & MembRow + 1 & "_" & (
255             MembNum * 2)), 3
256     End If
257 End With
258 LeftPos = LeftPos + (FamilyTree.Range("G1" ).Width * RowNum) 'Increment
259     Left Position
260 Next MembNum
261 TopPos = TopPos + FamilyTree.Range("3:7" ).Height + 4 'Increment Top Position
262 LeftPos = .Range("G3" ).Left + (FamilyTree.Range("G1" ).Width * RowNum) - 30
263     'Set Intial Left Position
264     EndNum = EndNum / 2
265     RowNum = RowNum * 2
266 Next MembRow
267 End With
268 FamilyTree_LoadFamily
269 End Sub
270
271 Sub FamilyTree_SaveNew()
272     FamName = AddFamily.FamilyNm.Value 'Family Name
273     SibQty = AddFamily.SibNumb.Value 'Sibling Qty
274     If FamName = "" Or IsNumeric(SibQty) = False Then
275         MsgBox "Please make sure to enter a Family Name and Sibling # between 1 and 10"
276         Exit Sub
277     End If
278     FamRow = 0
279     'Check for Duplicate family names
280     On Error Resume Next
281     FamRow = FamilyDB.Range("Fam_Name" ).Find(FamName, , xlValues, xlWhole).Row
282     On Error GoTo 0
283     If FamRow <> 0 Then
284         MsgBox "This Family Name already exists. Please choose a new name"
285         Exit Sub
286     End If
287
288     AddFamily.Hide
289
290     FamRow = FamilyDB.Range("A9999" ).End(xlUp).Row + 1 ' First availRow
291     FamilyDB.Range("A" & FamRow).Value = FamilyTree.Range("B4" ).Value 'Set New Family
292     ID
293     FamilyDB.Range("B" & FamRow).Value = FamName 'Set Family Name
294     FamilyDB.Range("C" & FamRow).Value = Date 'Set Date Added
295     FamilyDB.Range("D" & FamRow).Value = SibQty
296     Families_Load
297 End Sub
298
299 Sub Member_Select()
300     With FamilyTree
301         .Range("B10" ).Value = True 'Set Move To False
302         'Determine if Member has been selected from the family tree or from the member
303         list

```

1 2

```

1 2
303 If InStr(Application.Caller, "MembPic" ) > 0 Or InStr(Application.Caller,
    "MembDet" ) > 0 Then 'Family Tree Selection
304     MembRow = .Range("B6" ).Value
305 Else ' Member List Selection
306     MembRow = Replace(Application.Caller, Left(Application.Caller, 7), "" )
307 End If
308 'Return Each Shape to black font regular style
309 For Each MembShp In .Shapes
310     If InStr(MembShp.Name, "MembGrp" ) > 0 Then
311         MembShp.TextFrame2.TextRange.Font.Fill.ForeColor.RGB = RGB(0, 0, 0) 'Set
            To Black Font
312         MembShp.TextFrame2.TextRange.Font.Bold = msoFalse 'Set To Regular
313     End If
314 Next MembShp
315 .Range("B6" ).Value = MembRow 'Set Selected Row
316 .Shapes("MembRow" & MembRow).TextFrame2.TextRange.Font.Fill.ForeColor.
    ObjectThemeColor = msoThemeColorBackground1 'Set to white
317 .Shapes("MembRow" & MembRow).TextFrame2.TextRange.Font.Bold = msoTrue 'Set To
    Bold
318 .Shapes("MembGrp" & MembRow).Select 'Select Group shape
319 With .Shapes("EditMemberBtn" )
320     .Left = FamilyTree.Range("F" & MembRow).Left + 3
321     .Top = FamilyTree.Range("F" & MembRow).Top + 1
322     .Visible = msoCTrue
323 End With
324 .Range("B10" ).Value = False 'Set Move To False
325 End With
326 FamilyTree_CheckForMove
327 End Sub
328
329 Sub TreeMember_Clear()
330 With FamilyTree
331     If .Range("B6" ).Value = "" Then Exit Sub
332     SelRow = .Range("B6" ).Value 'Member Row
333     MembDBRow = FamTreeDB.Range("Y" & SelRow - 1).Value
334     If MembDBRow <> 0 Then FamTreeDB.Range("J" & MembDBRow).ClearContents 'Clear
        Location
335     .Shapes("ClearMemberBtn" ).Visible = msoFalse 'Hide Member icon
336     FamilyTree_Refresh
337 End With
338 End Sub
339
340 Sub TreeMember_Select()
341 FoundLocRow = 0
342 MembLoc = Replace(Application.Caller, Left(Application.Caller, 7), "" ) 'Extract
    Member Location
343 'Check For Member Location
344 On Error Resume Next
345 FoundLocRow = FamTreeDB.Range("FamResults_Loc" ).Find(MembLoc, , xlValues, xlWhole).
    Row
346 On Error GoTo 0
347 If FoundLocRow <> 0 Then 'Member Assigned
348     FamilyTree.Range("B6" ).Value = FoundLocRow + 1
349     With FamilyTree.Shapes("ClearMemberBtn" )
350         .Left = FamilyTree.Shapes("MembPic" & MembLoc).Left + 33
351         .Top = FamilyTree.Shapes("MembPic" & MembLoc).Top
352         .Visible = msoCTrue 'Display Clear button
353     End With
354     Member_Select
355 Else: 'No Member Assigned
356     FamilyTree.Range("B6" ).ClearContents 'Set Selected Row

```

1 2

```
1 2
357 For Each MembShp In FamilyTree.Shapes 'Reset All Members to black, regular font
358     If Instr(MembShp.Name, "MembGrp" ) > 0 Then
359         MembShp.TextFrame2.TextRange.Font.Fill.ForeColor.RGB = RGB(0, 0, 0) 'Set
360         MembShp.TextFrame2.TextRange.Font.Bold = msoFalse 'Set To Regular
361     End If
362 Next MembShp
363 FamilyTree.Shapes("ClearMemberBtn" ).Visible = msoFalse 'Hice Clear Member btn
364     If applicable
365         FamilyTree.Range("E2" ).Select 'Unselect any selected member
366     End If
End Sub
```

```

1 Option Explicit
2 Dim MembShp As Shape
3 Dim MembRow As Long, MembCol As Long, MembDBRow As Long, FamRow As Long
4 Dim MemberFld As Control
5
6 Sub Member_AddNew()
7     With FamilyTree
8         'Clear Selected Member (if any) and return Member shapes
9         .Range("B6" ).ClearContents 'Set Selected Row
10        For Each MembShp In .Shapes 'Reset All Members to black, regular font
11            If InStr(MembShp.Name, "MembGrp" ) > 0 Then
12                MembShp.TextFrame2.TextRange.Font.Fill.ForeColor.RGB = RGB(0, 0, 0) 'Set
13                To Black Font
14                MembShp.TextFrame2.TextRange.Font.Bold = msoFalse 'Set To Regular
15            End If
16        Next MembShp
17        .Shapes("EditMemberBtn" ).Visible = msoFalse 'Hice Clear Member btn If
18        applicable
19        .Shapes("ClearMemberBtn" ).Visible = msoFalse 'Hice Clear Member btn If
20        applicable
21        .Range("E2" ).Select 'Unselect any selected member
22        Unload MembForm
23        MembForm.Family.Value = .Range("D" & .Range("B5" ).Value).Value 'Set to
24        selected family row
25        MembForm.Show
26    End With
27 End Sub
28
29 Sub Member_AddPic()
30     Dim MembPic As FileDialog
31     Dim PicFolder As String
32     'Check for accurate Member picture folder
33     If Admin.Range("FamilyPicFolder" ).Value = Empty Then
34         MsgBox "Please set a folder for Family pictures"
35         BrowseForMemberPicFolder
36         If Admin.Range("FamilyPicFolder" ).Value = Empty Or Dir(Admin.Range(
37         "FamilyPicFolder" ).Value, vbDirectory) = "" Then Exit Sub
38     End If
39     PicFolder = Admin.Range("FamilyPicFolder" ).Value & "\" 'Family Picture Folder
40     Set MembPic = Application.FileDialog(msoFileDialogFilePicker)
41
42     With MembPic
43         .Title = "Please select a Member Picture"
44         .Filters.Add "Pictures Files" , "*.jpg, *.png, *.gif, *.jpeg, *.GIF" , 1
45         .AllowMultiSelect = False
46         If .Show <> -1 Then GoTo NoSelection
47         If .SelectedItems(1) = PicFolder & Dir(.SelectedItems(1)) Then GoTo SkipCopy
48         If Dir(PicFolder & Dir(.SelectedItems(1)), vbDirectory) <> "" Then Kill (
49         PicFolder & Dir(.SelectedItems(1)))
50         FileCopy .SelectedItems(1), PicFolder & Dir(.SelectedItems(1)) 'Copy To new
51         Location
52         SkipCopy:
53         MembForm.Field7.Value = Dir(.SelectedItems(1)) 'Place File Name
54         NoSelection:
55     End With
56 End Sub
57
58 Sub Member_Edit()
59     With FamilyTree
60         If .Range("B6" ).Value = Empty Then
61             MsgBox "Please select a member to edit"
62         End If
63     End With
64 End Sub

```

1 2 3

```

55 | 1 2 3 Exit Sub
56 | End If
57 | MembRow = .Range("B6" ).Value 'Selected Member Row
58 | MembDBRow = FamTreeDB.Range("Y" & MembRow - 1).Value 'Member DB Row
59 | MembForm.Family.Value = FamTreeDB.Range("B" & MembDBRow).Value 'Set Family Name
60 | For MembCol = 3 To 9
61 |     Set MemberFld = MembForm.Controls("Field" & MembCol - 2)
62 |     MemberFld.Value = FamTreeDB.Cells(MembDBRow, MembCol).Value 'Load Family
63 |     Fields
64 | Next MembCol
65 | MembForm.Show
66 | End With
67 | End Sub
68 | Sub Member_Save()
69 |     If MembForm.Field1.Value = Empty Or MembForm.Family.Value = Empty Then
70 |         MsgBox "Please make sure to save a Member Name and Family Name before saving"
71 |         Exit Sub
72 |     End If
73 |     'Check For correct Family
74 |     On Error Resume Next
75 |     FamRow = FamilyDB.Range("Fam_Name" ).Find(MembForm.Family.Value, , xlValues, xlWhole
76 |     ).Row
77 |     On Error GoTo 0
78 |     If FamRow = 0 Then
79 |         MsgBox "Please make sure to select a family from the drop down list, or add a
80 |         new family in the main screen"
81 |         Exit Sub
82 |     End If
83 |     With FamTreeDB
84 |         If FamilyTree.Range("B6" ).Value = Empty Then 'New Member
85 |             MembDBRow = .Range("A99999" ).End(xlUp).Row + 1 'First avail Row
86 |             .Range("K" & MembDBRow).Value = "=Row()" 'Add Row Formula
87 |         Else 'Existing Member
88 |             MembRow = FamilyTree.Range("B6" ).Value 'Selected Member
89 |             MembDBRow = FamTreeDB.Range("Y" & MembRow - 1).Value 'Member DB Row
90 |         End If
91 |         .Range("A" & MembDBRow).Value = FamilyDB.Range("A" & FamRow).Value 'Set Family
92 |         ID
93 |         .Range("B" & MembDBRow).Value = MembForm.Family.Value 'Family Name
94 |         For MembCol = 3 To 9
95 |             Set MemberFld = MembForm.Controls("Field" & MembCol - 2)
96 |             .Cells(MembDBRow, MembCol).Value = MemberFld.Value
97 |         Next MembCol
98 |         MembForm.Hide
99 |     End With
100 |     FamilyTree_Refresh 'Reload Family Members
101 | 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.

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