

VBA SOURCE CODE BOOK

DRAG & DROP FORM BUILDER

DRAG & DROP FORM BUILDER

CLEAR FORM & DATA

EDIT MODE On

Save Add New Delete

Search By:

Name Employee Name Debbie Banes Employee Pic. ictures\Frida.jpg

Employee Results

Name Fred Fredders Empl. Type Tech Leave Date

David Davis Hire Date 1/10/2022 Salary Amount \$60,000.00

Lisa Smith Days Off 15 Bonus Amount \$3,000.00

Debbie Banes

Amount Field

Button Set

Text Field

Drop Down List

Date Field

Number Field

Picture Field

Search Field

Filtered List



Excel For Freelancers

**Create Forms In 1 Minute
With This Drag & Drop Form
Builder In Excel**



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APPLICATION**



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by: Randy Austin

ABOUT THE AUTHOR

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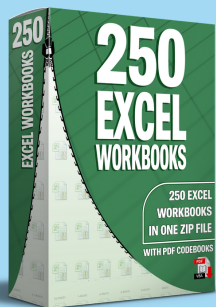
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1 Option Explicit

2

```
1 Option Explicit
```

```
2
3 Private Sub Worksheet_Change(ByVal Target As Range)
4     If Range("B1" ).Value = True Then Exit Sub
5     If Not Intersect(Target, Range("B1" )) Is Nothing Then Exit Sub
6     Dim SearchFld As String, DBName As String, FilterBy As String
7     SearchFld = Range("B3" ).Value 'Search Field Address
8     If SearchFld = "" Then GoTo SkipSearch
9     FilterBy = Range("B4" ).Value 'Filter By Address
10    If Not Intersect(Target, Range(SearchFld)) Is Nothing And Range("B1" ).Value = False
11        Then
12        If Range("B2" ).Value = Empty Then Exit Sub 'Exit on no Db
13        DBName = Range("B2" ).Value 'Db Name
14        If Target.Value = "" Then Sheets(DBName).Range("AA2" ).ClearContents Else Sheets
15        (DBName).Range("AA2" ).Value = "*" & Target.Value & "*"
16        Record_ListLoad 'Run List load
17    End If
18    If FilterBy = "" Then Exit Sub
19    If Not Intersect(Target, Range(FilterBy)) Is Nothing And Range("B1" ).Value = False
20        Then Record_ListLoad 'Run List load
21    SkipSearch:
22 End Sub
```

```
23 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
24     If Target.CountLarge > 1 Then Exit Sub
25     If Range("B1" ).Value = True Then Exit Sub
26     Dim RecRng As Range, FiltRng As Range
27     If Range("B16" ).Value = False Then Range("B16" ).Value = True
28     If Shapes("DelFieldBtn" ).Visible = True Then Shapes("DelFieldBtn" ).Visible =
29     msoFalse
30     If Shapes("AddPicBtn" ).Visible = True Then Shapes("AddPicBtn" ).Visible = msoFalse
31     On Error GoTo NoField
```

```
32 'On Selection of editable field in Edit Mode
```

```
33 If Not Intersect(Target, Range("E2:Z99" )) Is Nothing And Shapes("EditModeBack" ).
34 TextFrame2.TextRange.Text = "On" And InStr(Target.Name.Name, "Form" ) > 0 Then
35     With Shapes("DelFieldBtn" )
36         .Left = Target.Offset(0, 1).Left + 1
37         .Top = Target.Top + -5
38         .Visible = msoCTrue
39     End With
```

```
40 End If
```

```
41 'On Selection Of Picture Field
```

```
42 On Error GoTo NoPic
```

```
43 If Not Intersect(Target, Range("E2:Z99" )) Is Nothing And InStr(Target.Name.Name,
44 "FormPictr" ) > 0 Then
45     With Shapes("AddPicBtn" )
46         .Left = Target.Offset(0, 1).Left + 1
47         .Top = Target.Top + 2
48         .Visible = msoCTrue
49     End With
```

```
50 NoPic:
```

```
51 End If
```

```
52 NoField:
```

```
53 If Range("B4" ).Value = "" Then Exit Sub
```

```
54 'On Selection of Record, load record3
```

```
55 On Error Resume Next
```

```
1
```

```
1
56 Set FiltRng = Range(Range("B4" ).Value) 'Filter Range
57 Set RecRng = Range(Cells(FiltRng.Offset(1, 0).Row, FiltRng.Column), Cells(FiltRng.
   Offset(999, 0).Row, FiltRng.Column))
58 On Error GoTo 0
59 If RecRng Is Nothing Then Exit Sub
60 If Not Intersect(Target, RecRng) Is Nothing Then
61     If Cells(Target.Row, Target.Column - 1).Value = Empty Then Exit Sub 'Exit on no
       record ID
62     Range("B5" ).Value = Cells(Target.Row, Target.Column - 1).Value
63     Range("B8" ).Value = Target.Row
64     Record_Load
65 End If
66
67
68 End Sub
```

1 Option Explicit

2

1 Option Explicit

2

```
1 Option Explicit
2
3 Private Sub OKBtn_Click()
4     Dim ListNumb As Long, ListCol As Long, ItemNumb As Long, ListRow As Long
5     Dim DbShtNm As String, ListItems() As String
6     If DropDown.ListItems.Value = "" Then
7         If MsgBox("You have not added any list items, are you sure you want to
8             continue?" , vbYesNo, "Missing Items" ) = vbNo Then Exit Sub
9     End If
10    DbShtNm = Form.Range("B2" ).Value 'Database Sheet Name
11    ListCol = Sheets(DbShtNm).Range("BZ1" ).End(xlToLeft).Column + 1
12    If ListCol < 53 Then ListCol = 53 'Set List Column
13    ListNumb = ListCol - 52 'Set List Number
14    ThisWorkbook.Names.Add Name:="FieldList" & ListNumb, RefersTo:= _
15        "=Offset('" & DbShtNm & "'!'" & Sheets(DbShtNm).Cells(1, ListCol).Address &
16        ",1,,COUNTA('" & _
17        DbShtNm & "'!'" & Sheets(DbShtNm).Cells(1, ListCol).Address & ":" & Sheets(DbShtNm)
18        .Cells(99, ListCol).Address & _
19        ")-1,1)" 'Create Dynamic Named Range
20    Sheets(DbShtNm).Cells(1, ListCol).Value = "List" & ListNumb 'Set List Name
21    ListItems = Split(DropDown.ListItems, "," ) 'Create List Items Array
22    ListRow = 2
23    For ItemNumb = 0 To UBound(ListItems)
24        Sheets(DbShtNm).Cells(ListRow, ListCol).Value = ListItems(ItemNumb) 'Set List
25        Item
26        ListRow = ListRow + 1
27    Next ItemNumb
28    Unload Me
29    DropDown.Hide
30 End Sub
```

```

1 Option Explicit
2 Sub ClearForm()
3     Dim FormName As Name
4     Dim PicShape As Shape
5     If MsgBox("Are you sure you want to delete this form and ALL of the data?" , vbYesNo
6         , "Clear Form & ALL Data" ) = vbNo Then Exit Sub
7     With Form
8         .Range("B1" ).Value = True 'Set Search & filter To True
9         Application.DisplayAlerts = False
10        On Error Resume Next
11        Sheets(.Range("B2" ).Value).Delete
12        On Error GoTo 0
13        For Each PicShape In .Shapes
14            If InStr(PicShape.Name, "RecordPic" ) > 0 Then PicShape.Delete 'Delete all
15                pictures
16        Next PicShape
17        Application.DisplayAlerts = True
18        .Shapes("RecBtnSet" ).Visible = msoFalse
19        .Range("D3:P99" ).Clear
20        .Range("B2:B5,B8" ).ClearContents 'Clear DB Sheet Name
21        .Range("D3:P99" ).Interior.ThemeColor = xlThemeColorAccent5
22        .Range("D3:P99" ).Interior.TintAndShade = 0.799981688894314
23        'Clear Form Named Ranges
24        On Error Resume Next
25        For Each FormName In ThisWorkbook.Names
26            If InStr(FormName.Name, "FormField" ) > 0 Then FormName.Delete
27            If InStr(FormName.Name, "FieldList" ) > 0 Then FormName.Delete
28            If InStr(FormName.Name, "FormPict" ) > 0 Then FormName.Delete
29        Next FormName
30        On Error Resume Next
31        ThisWorkbook.Names("RecID" ).Delete 'Delete Record ID
32        ThisWorkbook.Names("Fields" ).Delete 'Delete Header Fields
33        'On Error GoTo 0
34        ResetFormShapes
35        .Range("B1" ).Value = False 'Set Search/ Filter to False
36    End With
37 End Sub

```

```

38 Sub EditMode()
39     Dim MovInc As Long, BtnMov As Long
40     Dim FldShp As Shape
41     With Form
42         If .Shapes("EditModeBack" ).TextFrame2.TextRange.Text = "Off" Then 'Turn On
43             .Shapes("EditModeSwitch" ).ShapeStyle = msoShapeStylePreset77 'Turn To Green
44             Color
45             .Shapes("EditModeBack" ).TextFrame2.TextRange.Text = "On"
46             MovInc = 1
47         Else 'Turn Off
48             MovInc = -1
49             .Shapes("EditModeSwitch" ).ShapeStyle = msoShapeStylePreset74 'Turn to gray
50             color
51             .Shapes("EditModeBack" ).TextFrame2.TextRange.Text = "Off"
52         End If
53         Application.ScreenUpdating = False
54         For Each FldShp In .Shapes
55             If InStr(FldShp.Name, "FieldType" ) > 0 Then
56                 If .Shapes("EditModeBack" ).TextFrame2.TextRange.Text = "Off" Then FldShp.
57                     Visible = msoFalse Else FldShp.Visible = msoCTrue
58             End If
59         Next FldShp

```

```

57 1 2
58   For BtnMov = 1 To 29
59     .Shapes("EditModeSwitch" ).Left = .Shapes("EditModeSwitch" ).Left + MovInc
60   Next BtnMov
61   Application.ScreenUpdating = True
62 End With
63 End Sub
64
65 Sub Item_CheckForMove()
66   Dim CountNumb As Long, FieldNumb As Long, DBCol As Long, ListNumb As Long
67   Dim OldLeftPos As Double, OldTopPos As Double, LeftPos As Double, TopPos As Double
68   Dim LabelCell As Range, FieldCell As Range
69   Dim SelShape As Shape
70   Dim DbWkSht As Worksheet
71   Dim DBName As String, FieldType As String, FieldLabel As String
72
73   Dim FoundPos As Range
74   With Form
75     On Error Resume Next
76     Set SelShape = .Shapes("FieldType" & .Range("B12" ).Value) 'Select Shape
77     On Error GoTo 0
78     If SelShape Is Nothing Then Exit Sub
79
80     FieldNumb = .Range("B12" ).Value 'Field Number
81     FieldType = .Range("B13" ).Value 'Field Type
82     OldLeftPos = .Range("B14" ).Value 'Old Left Position
83     OldTopPos = .Range("B15" ).Value 'Old Top Position
84
85
86     For CountNumb = 1 To 100000
87       DoEvents
88       If .Range("B16" ).Value = True Then End
89       TopPos = SelShape.Top 'Current Top Position
90       LeftPos = SelShape.Left 'Current Left Position
91
92       'Check For Field Move
93       If TopPos <> OldTopPos Or LeftPos <> OldLeftPos Then 'Shape has moved
94         If FieldNumb = 1 Then GoTo SkipCheck 'Button Set
95         'Check for correct move
96         If TopPos < .Range("3:3" ).Top Or TopPos > .Range("40:40" ).Top Or LeftPos
97         < .Range("E:E" ).Left Or LeftPos > .Range("0:0" ).Left Then
98           MsgBox "Please drag the shape onto the form field"
99           ResetFormShapes
100          Exit Sub
101        End If
102        SkipCheck:
103        .Range("B16" ).Value = True
104        'Check For New Database and Create if needed
105        DBName = .Range("B2" ).Value 'Database Name
106        On Error Resume Next
107        Set DbWkSht = Sheets(DBName)
108        On Error Resume Next
109        If DbWkSht Is Nothing Then 'No Database
110          DBName = InputBox("Please enter a name for your form database, such as
111          'Customers', 'Employees' or whatever you would like" , "Enter Database
112          Name" )
113          If DBName = "" Then
114            ResetFormShapes 'Reset Form Shapes
115            Exit Sub
116          End If
117          .Range("B2" ).Value = DBName

```

```

1 2 3 4 5
115 Sheets.Add(After:=Sheets("Form" )).Name = DBName 'Add Database Sheet &
    Name
116 Sheets("Form" ).Activate
117 Set DbWkSht = Sheets(DBName)
118 DbWkSht.Range("A2" ).Value = DBName 'Set Database Name
119 'Created ID Named Range
120 On Error Resume Next
121 Names("RecID" ).Delete
122 Names("Fields" ).Delete
123 On Error GoTo 0
124 ThisWorkbook.Names.Add Name:="RecID" , RefersTo:="=offset('" & DBName &
    "'!$A$3,1,,COUNTA('" & DBName & "'!$A$3:$A$9999)-1,1)"
125 ThisWorkbook.Names.Add Name:="Fields" , RefersTo:="=offset('" & DBName
    & "'!$A$3,,,COUNTA('" & DBName & "'!$A$3:$Z$3))"
126 DbWkSht.Range("A3" ).Value = "Rec ID"
127 End If
128
129 'Check For Button Set
130 If FieldType = "Button Set" Then
131     With .Shapes("RecBtnSet" )
132         .Top = TopPos
133         .Left = LeftPos
134         .Visible = msoCTrue
135     End With
136     ResetFormShapes 'Reset Form Shapes
137     Exit Sub
138 End If
139 Set LabelCell = .Range(SelShape.TopLeftCell.Address)
140
141 'Check For Search Field
142 If FieldType = "Search Field" Then
143     If .Range("B3" ).Value <> "" Then 'Search Field Exists
144         MsgBox "Search field exists already, please clear the form to remove
            all fields and start again"
145         ResetFormShapes 'Reset Form Shapes
146         Exit Sub
147     End If
148     Set FieldCell = .Range(SelShape.TopLeftCell.Address).Offset(1, 0)
149     'Field Cell
150     If LabelCell.Value <> "" Or LabelCell.Offset(1, 0).Value <> "" Or
        LabelCell.Offset(2, 0).Value <> "" Then 'Check for occupied cells
151         MsgBox "This cell, or the cells below, are already taken. Please
            select another column or row)"
152         ResetFormShapes 'Reset Form Shapes
153         Exit Sub
154     End If
155     Range("B1" ).Value = True 'Set Search Add To True
156     LabelCell.Value = "Search By:"
157     FieldCell.Value = "Rec ID"
158     Admin.Range("DefaultLabel" ).Copy
159     LabelCell.PasteSpecial xlPasteFormats 'Label
160     LabelCell.HorizontalAlignment = xlCenter
161     Admin.Range("DefaultField" ).Copy
162     FieldCell.PasteSpecial xlPasteFormats 'Drop Down List
163     FieldCell.Offset(1, 0).PasteSpecial xlPasteFormats 'Search Field
164     FieldCell.Validation.Add Type:=xlValidateList, AlertStyle:=
        xlValidAlertStop, Formula1:="=Fields"
165     DbWkSht.Range("AA1" ).Formula = "=Form!" & FieldCell.Address 'Set
        Criteria Header Formula
166     .Range("B3" ).Value = FieldCell.Offset(1, 0).Address 'Set Search Field
        Range("B1" ).Value = False 'Set Search Add To False

```

```

167 | 1 2 3 4 5 | ResetFormShapes 'Reset Form Shapes
168 | | Exit Sub
169 | | End If
170 | |
171 | | 'Check For Filtered List
172 | | If FieldType = "Filtered List" Then
173 | |     If .Range("B4" ).Value <> "" Then 'Filtered List Exists
174 | |         MsgBox "Filtered list already exists already, please clear the form
175 | |             to remove all fields and start again"
176 | |             ResetFormShapes 'Reset Form Shapes
177 | |             Exit Sub
178 | |         End If
179 | |         Range("B1" ).Value = True 'Set Filter Add To True
180 | |         Set FieldCell = LabelCell.Offset(1, 0)
181 | |         Admin.Range("DefaultLabel" ).Copy
182 | |         LabelCell.PasteSpecial xlPasteFormats 'Label
183 | |         LabelCell.Value = DBName & " Results"
184 | |         LabelCell.HorizontalAlignment = xlCenter
185 | |         Admin.Range("DefaultField" ).Copy
186 | |         FieldCell.PasteSpecial xlPasteFormats 'Drop Down List
187 | |         FieldCell.Validation.Add Type:=xlValidateList, AlertStyle:=
188 | |             xlValidAlertStop, Formula1:="=Fields"
189 | |         FieldCell.Value = "Rec ID" 'Set Intial value
190 | |         .Range("A10:B10" ).Copy 'Copy Format/conditional formatting
191 | |         Range(.Cells(FieldCell.Row + 1, FieldCell.Column - 1), .Cells(FieldCell.
192 | |             Row + 100, FieldCell.Column)).PasteSpecial xlPasteFormats
193 | |         .Range("B4" ).Value = FieldCell.Address 'Set Search Field
194 | |         .Range("B1" ).Value = False 'Set Filter Add To False
195 | |         ResetFormShapes 'Reset Form Shapes
196 | |         Exit Sub
197 | |     End If
198 | |
199 | |     Set FieldCell = .Range(SelShape.TopLeftCell.Address).Offset(0, 1) 'Set
200 | |     Field Cell
201 | |     'Check If positioned over another field
202 | |     If LabelCell.Value <> "" Or LabelCell.Offset(0, -1).Value <> "" Or
203 | |         LabelCell.Offset(0, 1).Value <> "" Then
204 | |         MsgBox "This cell, or an adjacent cell, is already taken. Please select
205 | |             another column or row)"
206 | |         ResetFormShapes 'Reset Form Shapes
207 | |         Exit Sub
208 | |     End If
209 | |
210 | |     FieldLabel = InputBox("Please enter a label for this " & FieldType,
211 | |         "Field Label Name" )
212 | |     If FieldLabel = "" Then
213 | |         ResetFormShapes 'Reset Form Shapes
214 | |         Exit Sub
215 | |     End If
216 | |
217 | |     Admin.Range("DefaultLabel" ).Copy
218 | |     LabelCell.PasteSpecial xlPasteFormats
219 | |     LabelCell.Value = FieldLabel 'Field Label
220 | |     Admin.Range("DefaultField" ).Copy
221 | |     FieldCell.PasteSpecial xlPasteFormats
222 | |     DBCol = DbWkSht.Range("Z3" ).End(xlToLeft).Column + 1 'Database Column
223 | |     DbWkSht.Cells(3, DBCol).Value = FieldLabel 'Set DB Value
224 | |     DbWkSht.Cells(1, DBCol).Value = FieldCell.Address 'Set Address For Data
225 | |     Mapping
226 | |     FieldCell.Name = "FormField" & DBCol 'Set Field Name

```

```

1 2 3 4
220 Select Case FieldType
221 Case Is = "Drop Down List"
222     DropDown.ListName.Value = LabelCell.Value 'Drop Down List Name
223     DropDown.Show
224     ListNumb = Application.WorksheetFunction.CountA(DbWkSht.Range("BA1:BZ1"
225     ))
226     FieldCell.Validation.Add Type:=xlValidateList, AlertStyle:=
227     xlValidAlertInformation, Formula1:="=FieldList" & ListNumb
228 Case Is = "Date Field"
229     FieldCell.NumberFormat = Admin.Range("DateField" ).NumberFormat
230 Case Is = "Amount Field"
231     FieldCell.NumberFormat = Admin.Range("AmtField" ).NumberFormat
232 Case Is = "Number Field"
233     FieldCell.NumberFormat = Admin.Range("NumbField" ).NumberFormat
234 Case Is = "Picture Field"
235     FieldCell.Name.Delete
236     FieldCell.Name = "FormPictr" & DBCol 'Set Field Name
237 End Select
238 ResetFormShapes 'Reset Form Shapes
239 End If
240 Next CountNumb
241 .Range("B16" ).Value = True
242 Application.ScreenUpdating = True
243 End With
244 End Sub
245 Sub Item_Select()
246 With Form
247     .Range("B12" ).Value = Replace(Application.Caller, "FieldType" , "" ) 'Extract
248     Shape #
249     .Range("B13" ).Value = .Shapes(Application.Caller).TextFrame2.TextRange.Text
250     'Button Type
251     .Range("B14" ).Value = .Shapes(Application.Caller).Left 'Left Pos
252     .Range("B15" ).Value = .Shapes(Application.Caller).Top 'Top Pos
253     .Range("B16" ).Value = False 'Reset move to false
254     .Shapes(Application.Caller).Select
255     Item_CheckForMove 'Run Macro To Check For Move
256 End With
257 End Sub
258 Sub RemoveField()
259 Dim DBCol As Long, LastDBCcol As Long, DelDBCcol As Long
260 Dim DBName As String, FieldStrng As String
261 On Error Resume Next
262 DelDBCcol = Replace(ActiveCell.Name.Name, Left(ActiveCell.Name.Name, 9), "" ) 'DB
263 Col. Delete
264 On Error GoTo 0
265 If DelDBCcol = 0 Then Exit Sub
266 With Form
267     If .Range("B2" ).Value = Empty Then Exit Sub 'Exit on no DB
268     DBName = .Range("B2" ).Value
269     On Error Resume Next
270     FieldStrng = Left(.Range(Sheets(DBName).Cells(1, DelDBCcol).Value).Name.Name, 9)
271     ThisWorkbook.Names(FieldStrng & DelDBCcol).Delete 'Delete existing Name first
272     On Error GoTo 0
273     LastDBCcol = Sheets(DBName).Range("Z1" ).End(xlToLeft).Column
274     If DelDBCcol = LastDBCcol Then GoTo SkipRename
275     For DBCol = DelDBCcol + 1 To LastDBCcol
276         FieldStrng = Left(.Range(Sheets(DBName).Cells(1, DBCol).Value).Name.Name, 9)
277         'Field String

```

1 2 3

```
275     1 2 3     .Range(Sheets(DBName).Cells(1, DBCol).Value).Name = FieldStrng & DBCol - 1
276     Next DBCol
277     SkipRename:
278     Sheets(DBName).Cells(1, DelDBCcol).EntireColumn.Delete
279     Sheets(DBName).Range("Z:Z" ).EntireColumn.Insert
280     ActiveCell.Clear
281     ActiveCell.Offset(0, -1).Clear
282     Admin.Range("FormBack" ).Copy
283     ActiveCell.PasteSpecial xlPasteFormats
284     ActiveCell.Offset(0, -1).PasteSpecial xlPasteFormats
285     .Shapes("DelFieldBtn" ).Visible = msoFalse
286     End With
287     End Sub
288
289     Sub ResetFormShapes()
290     Dim FieldNumb As Long
291     Dim LeftPos As Double, TopPos As Double
292     With Form
293     LeftPos = .Range("C1" ).Left + 4
294     TopPos = .Range("C2" ).Top + 10
295     For FieldNumb = 1 To 9
296     With .Shapes("FieldType" & FieldNumb)
297     .Left = LeftPos
298     .Top = TopPos
299     .Height = 22
300     .Width = 90
301     End With
302     TopPos = TopPos + 25 'Increment Top Pos
303     Next FieldNumb
304     .Range("F3" ).Select
305     End With
306     End Sub
```



```

1 Option Explicit
2 Dim DBCol As Long, DBRow As Long, LastDBCcol As Long, LastDBRow As Long, ViewCol As Long
3
4 Dim FilterCol As Long, FilterRow As Long, LastResultRow As Long
5 Dim PicShape As Shape
6 Dim DbWkSht As Worksheet
7 Dim ResultRng As Range
8 Dim DBName As String
9
10 Sub Form_BrowsePic()
11     Dim FormPic As FileDialog
12     With Form
13         Set FormPic = Application.FileDialog(msoFileDialogFilePicker)
14         With FormPic
15             .Title = "Please select a picture"
16             .Filters.Add "Picture Files" , "*.jpg,*.png,*.gif,*.jpeg" , 1
17             .AllowMultiSelect = False
18             If .Show <> -1 Then GoTo NoSelection
19             ActiveCell.Value = .SelectedItems(1)
20         End With
21         Form_ShowPic 'Run Macro to display picture
22     End With
23 End Sub
24
25 Sub Form_ShowPic()
26     Dim PicPath As String
27     With Form
28         DBCol = Replace(ActiveCell.Name.Name, "FormPictr" , "" )
29         If IsNumeric(DBCol) = False Then Exit Sub
30         On Error Resume Next
31         .Shapes("RecordPic" & DBCol).Delete
32         On Error GoTo 0
33         PicPath = ActiveCell.Value 'Picture File Path
34         If PicPath = "" Then Exit Sub
35         ActiveCell.HorizontalAlignment = xlRight
36         If Dir(PicPath, vbDirectory) <> "" Then
37             .Pictures.Insert(PicPath).Name = "RecordPic" & DBCol 'Insert Pic Into Shape
38
39             With .Shapes("RecordPic" & DBCol)
40                 .LockAspectRatio = msoCTrue
41                 If .Width > .Height Then .Width = 70 Else .Height = 50
42                 .Left = ActiveCell.Offset(0, 1).Left + 15 'Set Picture Left
43                 .Top = ActiveCell.Offset(0, 1).Top ' Set Picture Top
44                 .Visible = msoCTrue
45             End With
46         End If
47     End With
48 End Sub
49
50 Sub Record_Delete()
51     If MsgBox("Are you sure you want to delete this record?" , vbYesNo, "Delete Record"
52 ) = vbNo Then Exit Sub
53     With Form
54         If .Range("B6 ").Value = "" Or .Range("B2 ").Value = "" Then GoTo NotSaved
55         DBRow = .Range("B6 ").Value
56         DBName = .Range("B2 ").Value 'Database Worksheet
57         Sheets(DBName).Range(DBRow & ":" & DBRow).EntireRow.Delete
58         NotSaved:
59         On Error Resume Next

```

```

1 2
59     .Shapes("RecordPic" ).Delete 'Delete any pic if it exists
60     On Error GoTo 0
61     Record_New 'Clear Fields
62     Record_ListLoad 'Update record List
63     End With
64 End Sub
65 Sub Record_ListLoad()
66     With Form
67         If .Range("B2" ).Value = Empty Then Exit Sub 'Exit on no DB
68         If .Range("B9" ).Value = Empty Then Exit Sub 'Exit on no Filter Column Row
69         ViewCol = .Range("B9" ).Value 'Set View Column)
70         DBName = .Range("B2" ).Value 'Database Worksheet
71         FilterCol = .Range(.Range("B4" ).Value).Column
72         FilterRow = .Range(.Range("B4" ).Value).Row + 1
73         .Range("B8" ).ClearContents 'Clear Selected Row
74         Range(.Cells(FilterRow, FilterCol - 1), .Cells(9999, FilterCol)).ClearContents
75         'Clear any existing data
76     End With
77     Set DbWkSht = Sheets(DBName) 'Set Database Workseet
78     With DbWkSht
79         LastDBRow = .Range("A99999" ).End(xlUp).Row 'Last DB Row
80         If LastDBRow < 4 Then Exit Sub
81         LastDBCol = .Range("Z1" ).End(xlToLeft).Column 'Last DB Column
82         .Range("AC1" ).Value = "Rec ID" 'Set Results
83         .Range("AD1" ).Value = .Cells(3, ViewCol).Value 'Set results
84         Range(.Cells(3, 1), .Cells(LastDBRow, LastDBCol)).AdvancedFilter xlFilterCopy,
85         CriteriaRange:=.Range("AA1:AA2" ), CopyToRange:=.Range("AC1:AD1" ), Unique:=True
86         LastResultRow = .Range("AC9999" ).End(xlUp).Row
87         If LastResultRow < 2 Then Exit Sub
88         Range(Form.Cells(FilterRow, FilterCol - 1), Form.Cells(FilterRow - 2 +
89         LastResultRow, FilterCol)).Value = .Range("AC2:AD" & LastResultRow).Value
90         'Bring over Results
91     End With
92 End Sub
93 Sub Record_Load()
94     Dim PicName As Name
95     With Form
96         For Each PicShape In .Shapes
97             If InStr(PicShape.Name, "RecordPic" ) > 0 Then PicShape.Delete 'Delete
98             any/all pictures
99         Next PicShape
100        If .Range("B2" ).Value = Empty Or .Range("B6" ).Value = Empty Then Exit Sub
101        DBName = .Range("B2" ).Value 'Database Worksheet
102        Set DbWkSht = Sheets(DBName) 'Set Database Workseet
103        LastDBCol = DbWkSht.Range("Z1" ).End(xlToLeft).Column
104        DBRow = .Range("B6" ).Value
105        For DBCol = 2 To LastDBCol
106            .Range(DbWkSht.Cells(1, DBCol).Value).Value = DbWkSht.Cells(DBRow, DBCol).
107            Value
108        Next DBCol
109        For Each PicName In ThisWorkbook.Names
110            If InStr(PicName.Name, "FormPict" ) > 0 Then
111                PicName.RefersToRange.Select
112                Form_ShowPic
113            End If
114        Next PicName
115    End With

```

```

1
114 End Sub
115
116 Sub Record_New()
117     With Form
118         For Each PicShape In .Shapes
119             If InStr(PicShape.Name, "RecordPic" ) > 0 Then PicShape.Delete
120         Next PicShape
121         If .Range("B2" ).Value = Empty Then Exit Sub 'Exit on no DB
122         DBName = .Range("B2" ).Value 'Database Worksheet
123         Set DbWkSht = Sheets(DBName) 'Set Database Workseet
124         LastDBCcol = DbWkSht.Range("Z1" ).End(xlToLeft).Column 'Last DB Column
125         For DBCol = 2 To LastDBCcol
126             .Range(DbWkSht.Cells(1, DBCol).Value).ClearContents
127         Next DBCol
128         .Range("B5,B8" ).ClearContents 'Clear Selected Rec. ID and Selected Row
129     End With
130 End Sub
131 Sub Record_SaveUpdate()
132     With Form
133         If .Range("B2" ).Value = Empty Then Exit Sub 'Exit on no DB
134         DBName = .Range("B2" ).Value 'Database Worksheet
135         Set DbWkSht = Sheets(DBName) 'Set Database Workseet
136         LastDBCcol = DbWkSht.Range("Z1" ).End(xlToLeft).Column
137         If LastDBCcol < 2 Then
138             MsgBox "Please add fields in order to save this record"
139             Exit Sub
140         End If
141         If .Range(DbWkSht.Range("B1" ).Value).Value = "" Then
142             MsgBox "Please make sure the first field in your form is not blank before
143                 saving"
144             Exit Sub
145         End If
146         If .Range("B6" ).Value = Empty Then 'New Record
147             DBRow = DbWkSht.Range("A99999" ).End(xlUp).Row + 1 'Database Row
148             .Range("B5" ).Value = .Range("B7" ).Value 'Set Next Rec. ID
149             DbWkSht.Range("A" & DBRow).Value = .Range("B7" ).Value 'Set Next Rec. ID
150         Else: 'Existing record
151             DBRow = .Range("B6" ).Value
152         End If
153         For DBCol = 2 To LastDBCcol
154             DbWkSht.Cells(DBRow, DBCol).Value = .Range(DbWkSht.Cells(1, DBCol).Value).
155                 Value 'Add/Update Data
156         Next DBCol
157         Record_ListLoad
158         MsgBox DBName & " Saved"
159     End With
160 End Sub

```

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_, 7

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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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