

VBA SOURCE CODE BOOK

AUTOMATED FORM CREATOR

TRAINING RESOURCE FILES



FROM TABLE TO FORM IN MINUTES

Cust ID	Name	Phone #	Start Date	Email	Credit Limit	Commission	Address	City	State	Zip	Notes	Contract
1	Asia Electrics	3286147299	3/15/2021	temper.lorem@dictum.org	\$500.00	15%	P.O. Box 148, 1324 laculis Av.	Warren	MI	43119	Test Notes 1	
2	Erat Inc.	3455894869	3/16/2021	ante.blantid@id.com	\$520.00	35%	P.O. Box 257, 6235 Pharetra, Rd.	Wyoming	WY	59900	Test Notes 2	
3	Sit LLP	3488520913	5/15/2022	auctor.velit@id.com	\$750.00	30%	946 Eu Rd	Bum	IN	49777	Test Notes 3	
4	Smith Barneys	3497730067	3/16/2021	lobortis@id.com	\$600.00	25%	06-1134 M	Bum	IN	49779	Test Notes 4	
5	Egestas A Inc.	3817832509	4/5/2021	stibet@id.com	\$560.00	30%	62-4582 P	Bum	IN	49772	Test Notes 5	
6	Omare Company	3652218440	4/25/2021	dictum@mauriss@llisloalectra.ec	\$ 600.00	50%	Ap 9577-7501 Purus, Street	San Franci	CA	94940	Test Notes 6	
7	Franks Garage	3656677181	5/15/2021	leo.elementum@metus.co.uk	\$ 620.00	25%	P.O. Box 421, 5390 Ultrices Rd.	Pittsburgh	PA	61338	Test Notes 7	
8	Mus LLC	3767982976	7/14/2021	blandit.Nam@adipiscinglasus.net	\$ 840.00	15%	560-6072 Luctus, St.	Frederick	MD	96702	Test Notes 8	
9	Sit Industries	406042489	7/14/2021	consequat@id.com	\$690.00	35%	966-7045 Pharetra, Rd.	Frederick	MD	96702	Test Notes 9	
10	Johnson Motors	41057718	7/14/2021	stibet@id.com	\$ 750.00	30%	946 Eu Rd	Bum	IN	49777	Test Notes 10	
11	James Masonry	428457915	8/3/2021	stibet@id.com	\$ 750.00	30%	946 Eu Rd	Bum	IN	49777	Test Notes 11	
12	Posuere Cubilia Inc.	4317832522	8/3/2021	ante.blantid@id.com	\$ 520.00	35%	P.O. Box 257, 6235 Pharetra, Rd.	Wyoming	WY	59900	Test Notes 12	
13	Jame Mingles	4317832522	8/3/2021	ante.blantid@id.com	\$ 520.00	35%	P.O. Box 257, 6235 Pharetra, Rd.	Wyoming	WY	59900	Test Notes 13	

CUSTOMERS FORM

Button Set:

Search Field: Search By: Name: Erat Inc. Phone #: 3455894869

Filtered List: Customers Results: Name: Erat Inc. Email: ante.blantid@id.com Start Date: 2/4/2021

Name: Asia Electrics Address: P.O. Box 257, 6235 Pharetra, Rd. Credit Limit: \$520.00

Phone #: Erat Inc. City: Wyoming Commission: 35%

Start Date: Sit LLP State: WY Zip: 59900

Email: Smith Barneys Notes: Test Notes 2 Contract: PING APPLICATIONS.pdf

Credit Limit: Omare Company Mus LLC

Commission: Franks Garage Johnson Motors

Address: Sit Industries

City: Posuere Cubilia Inc.

State: Jame Mingles

Zip: Kelly Carmine Fred Fredders James John

DRAG & DROP



Excel For Freelancers

How To Automatically Create Any Form In Excel From ANY Table With Just A Few Clicks



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VIEW TRAINING

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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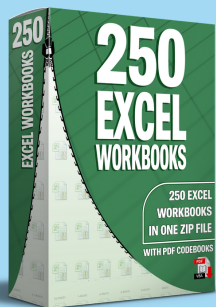
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Projects.....	2
VBAProject.....	2
Documents.....	2
Admin.....	2
(Declarations).....	2
Form.....	3
(Declarations).....	3
Worksheet_Change [Sub].....	3
Worksheet_SelectionChange [Sub].....	3
Form1.....	5
(Declarations).....	5
Worksheet_Change [Sub].....	5
Worksheet_SelectionChange [Sub].....	5
Form2.....	7
(Declarations).....	7
Worksheet_Change [Sub].....	7
Worksheet_SelectionChange [Sub].....	7
Sheet1.....	9
(Declarations).....	9
Sheet3.....	10
(Declarations).....	10
ThisWorkbook.....	11
(Declarations).....	11
Workbook_Deactivate [Sub].....	11
Workbook_SheetBeforeRightClick [Sub].....	11
Forms.....	12
DropDown.....	12
(Declarations).....	12
OKBtn_Click [Sub].....	12
FormSetup.....	13
(Declarations).....	13
CancelBtn_Click [Sub].....	13
OKBtn_Click [Sub].....	13
Modules.....	14
DragDrop_Macros.....	14
(Declarations).....	14
ClearForm [Sub].....	14
EditMode [Sub].....	14
Item_CheckForMove [Sub].....	15
Item_Select [Sub].....	17
RemoveField [Sub].....	18
ResetFormShapes [Sub].....	18
Form_Macros.....	20
(Declarations).....	20
Record_Delete [Sub].....	20
Record_ListLoad [Sub].....	20
Record_Load [Sub].....	21
Record_New [Sub].....	21
Record_SaveUpdate [Sub].....	22
PictDoc_Macros.....	23
(Declarations).....	23
Form_BrowseDocument [Sub].....	23
Form_BrowsePic [Sub].....	23
Form_ShowDoc [Sub].....	23
Form_ShowPic [Sub].....	24
SheetForm_Setup_Macros.....	25
(Declarations).....	25
Setup_FormSheet [Sub].....	25
UserForm_FieldSetup.....	27
(Declarations).....	27
CreateForm [Sub].....	27
Validation_Macros.....	30
(Declarations).....	30
CheckForValidation [Sub].....	30
EditListValues [Sub].....	30

1
2

Option Explicit

```

1 Option Explicit
2 Dim SearchFld As String, DBName As String, FilterBy As String, FieldType As String
3 Dim DBCol As Long, FieldRow As Long
4 Private Sub Worksheet_Change(ByVal Target As Range)
5     If Range("B1").Value = True Then Exit Sub
6     If Not Intersect(Target, Range("B1")) Is Nothing Then Exit Sub
7
8     SearchFld = Range("B3").Value 'Search Field Address
9     If SearchFld = "" Then GoTo SkipSearch
10    FilterBy = Range("B4").Value 'Filter By Address
11    If Not Intersect(Target, Range(SearchFld)) Is Nothing And Range("B1").Value = False
12        Then
13        If Range("B2").Value = Empty Then Exit Sub 'Exit on no Db
14        DBName = Range("B2").Value 'Db Name
15        If Target.Value = "" Then Sheets(DBName).Range("AA2").ClearContents Else Sheets
16        (DBName).Range("AA2").Value = "*" & Target.Value & "*"
17        Record_ListLoad 'Run List load
18    End If
19    If FilterBy = "" Then Exit Sub
20    If Not Intersect(Target, Range(FilterBy)) Is Nothing And Range("B1").Value = False
21        Then Record_ListLoad 'Run List load
22    SkipSearch:
23    End Sub
24
25 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
26     If Target.CountLarge > 1 Then Exit Sub
27     If Range("B1").Value = True Then Exit Sub
28     Dim RecRng As Range, FiltRng As Range
29     If Range("B16").Value = False Then Range("B16").Value = True
30     If Shapes("DelFieldBtn").Visible = True Then Shapes("DelFieldBtn").Visible =
31     msoFalse 'Delete Field Button
32     If Shapes("AddPicBtn").Visible = True Then Shapes("AddPicBtn").Visible = msoFalse
33     'Add Picture Button
34     If Shapes("AddDocBtn").Visible = True Then Shapes("AddDocBtn").Visible = msoFalse
35     'Add Document Button
36     If Shapes("EditListBtn").Visible = True Then Shapes("EditListBtn").Visible =
37     msoFalse 'Edit List Button
38     DBName = Range("B2").Value 'Db Name
39
40     On Error GoTo NoField
41     DBCol = Replace(ActiveCell.Name.Name, DBName & "_FormField", "")
42     FieldRow = DBCol + 19 'Field Row
43     FieldType = Range("B" & FieldRow).Value 'Field type
44
45     'On Selection of editable field in Edit Mode, show delete button
46     If Not Intersect(Target, Range("E2:Z99")) Is Nothing And Shapes("EditModeBack").
47     TextFrame2.TextRange.Text = "On" And InStr(Target.Name.Name, "Form") > 0 Then
48         With Shapes("DelFieldBtn")
49             .Left = Target.Offset(0, 1).Left + 1
50             .Top = Target.Top + -5
51             .Visible = msoCTrue
52         End With
53     End If
54
55     'On Selection Of Picture Field, show folder
56     On Error GoTo NoPic
57     If Not Intersect(Target, Range("E2:Z99")) Is Nothing And FieldType = "Picture"
58         Then
59             With Shapes("AddPicBtn")
60                 .Left = Target.Offset(0, 1).Left + 1
61                 .Top = Target.Top + 2

```

1 2 3

```

53     1 2 3
54     .Visible = msoCTrue
55     End With
56     NoPic:
57     End If
58     'On Selection Of Document Field
59     On Error GoTo NoDoc
60     If Not Intersect(Target, Range("E2:Z99" )) Is Nothing And FieldType = "Document"
61     Then
62         With Shapes("AddDocBtn" )
63             .Left = Target.Offset(0, 1).Left + 1
64             .Top = Target.Top + 2
65             .Visible = msoCTrue
66         End With
67         NoDoc:
68         End If
69
70         NoField:
71
72         If Range("B4" ).Value = "" Then GoTo NoFilter
73         'On Selection of Record, load record
74         On Error Resume Next
75         Set FiltRng = Range(Range("B4" ).Value) 'Filter Range
76         Set RecRng = Range(Cells(FiltRng.Offset(1, 0).Row, FiltRng.Column), Cells(FiltRng.
77         Offset(999, 0).Row, FiltRng.Column))
78         On Error GoTo 0
79         If RecRng Is Nothing Then Exit Sub
80         If Not Intersect(Target, RecRng) Is Nothing Then
81             If Cells(Target.Row, Target.Column - 1).Value = Empty Then Exit Sub 'Exit on no
82             record ID
83             Range("B5" ).Value = Cells(Target.Row, Target.Column - 1).Value
84             Range("B8" ).Value = Target.Row
85             Record_Load
86         End If
87         NoFilter:
88
89         'On Selection of any cell with a drop down list (data Validation)
90         If Not Intersect(Target, Range("E2:Z99" )) Is Nothing And FieldType = "Drop Down"
91         Then
92             CheckForValidation
93         End If
94     End Sub

```



```

1 Option Explicit
2 Dim SearchFld As String, DBName As String, FilterBy As String, FieldType As String
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9     If SearchFld = "" Then GoTo SkipSearch
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12        Then
13        If Range("B2").Value = Empty Then Exit Sub 'Exit on no Db
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15        If Target.Value = "" Then Sheets(DBName).Range("AA2").ClearContents Else Sheets
16        (DBName).Range("AA2").Value = "*" & Target.Value & "*"
17        Record_ListLoad 'Run List load
18    End If
19    If FilterBy = "" Then Exit Sub
20    If Not Intersect(Target, Range(FilterBy)) Is Nothing And Range("B1").Value = False
21        Then Record_ListLoad 'Run List load
22    SkipSearch:
23 End Sub
24
25 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
26     If Target.CountLarge > 1 Then Exit Sub
27     If Range("B1").Value = True Then Exit Sub
28     Dim RecRng As Range, FiltRng As Range
29     If Range("B16").Value = False Then Range("B16").Value = True
30     If Shapes("DelFieldBtn").Visible = True Then Shapes("DelFieldBtn").Visible =
31     msoFalse 'Delete Field Button
32     If Shapes("AddPicBtn").Visible = True Then Shapes("AddPicBtn").Visible = msoFalse
33     'Add Picture Button
34     If Shapes("AddDocBtn").Visible = True Then Shapes("AddDocBtn").Visible = msoFalse
35     'Add Document Button
36     If Shapes("EditListBtn").Visible = True Then Shapes("EditListBtn").Visible =
37     msoFalse 'Edit List Button
38     DBName = Range("B2").Value 'Db Name
39
40     On Error GoTo NoField
41     DBCol = Replace(ActiveCell.Name.Name, DBName & "_FormField", "")
42     FieldRow = DBCol + 19 'Field Row
43     FieldType = Range("B" & FieldRow).Value 'Field type
44
45     'On Selection of editable field in Edit Mode, show delete button
46     If Not Intersect(Target, Range("E2:Z99")) Is Nothing And Shapes("EditModeBack").
47     TextFrame2.TextRange.Text = "On" And InStr(Target.Name.Name, "Form") > 0 Then
48         With Shapes("DelFieldBtn")
49             .Left = Target.Offset(0, 1).Left + 1
50             .Top = Target.Top + -5
51             .Visible = msoCTrue
52         End With
53     End If
54
55     'On Selection Of Picture Field, show folder
56     On Error GoTo NoPic
57     If Not Intersect(Target, Range("E2:Z99")) Is Nothing And FieldType = "Picture"
58         Then
59             With Shapes("AddPicBtn")
60                 .Left = Target.Offset(0, 1).Left + 1
61                 .Top = Target.Top + 2

```

1 2 3


```

53     1 2 3
54     .Visible = msoCTrue
55     End With
56     NoPic:
57     End If
58     'On Selection Of Document Field
59     On Error GoTo NoDoc
60     If Not Intersect(Target, Range("E2:Z99" )) Is Nothing And FieldType = "Document"
61     Then
62         With Shapes("AddDocBtn" )
63             .Left = Target.Offset(0, 1).Left + 1
64             .Top = Target.Top + 2
65             .Visible = msoCTrue
66         End With
67         NoDoc:
68         End If
69
70         NoField:
71
72         If Range("B4" ).Value = "" Then GoTo NoFilter
73         'On Selection of Record, load record
74         On Error Resume Next
75         Set FiltRng = Range(Range("B4" ).Value) 'Filter Range
76         Set RecRng = Range(Cells(FiltRng.Offset(1, 0).Row, FiltRng.Column), Cells(FiltRng.
77         Offset(999, 0).Row, FiltRng.Column))
78         On Error GoTo 0
79         If RecRng Is Nothing Then Exit Sub
80         If Not Intersect(Target, RecRng) Is Nothing Then
81             If Cells(Target.Row, Target.Column - 1).Value = Empty Then Exit Sub 'Exit on no
82             record ID
83             Range("B5" ).Value = Cells(Target.Row, Target.Column - 1).Value
84             Range("B8" ).Value = Target.Row
85             Record_Load
86         End If
87         NoFilter:
88
89         'On Selection of any cell with a drop down list (data Validation)
90         If Not Intersect(Target, Range("E2:Z99" )) Is Nothing And FieldType = "Drop Down"
91         Then
92             CheckForValidation
93         End If
94     End Sub

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3 Dim DBCol As Long, FieldRow As Long
4 Private Sub Worksheet_Change(ByVal Target As Range)
5     If Range("B1").Value = True Then Exit Sub
6     If Not Intersect(Target, Range("B1")) Is Nothing Then Exit Sub
7
8     SearchFld = Range("B3").Value 'Search Field Address
9     If SearchFld = "" Then GoTo SkipSearch
10    FilterBy = Range("B4").Value 'Filter By Address
11    If Not Intersect(Target, Range(SearchFld)) Is Nothing And Range("B1").Value = False
12        Then
13        If Range("B2").Value = Empty Then Exit Sub 'Exit on no Db
14        DBName = Range("B2").Value 'Db Name
15        If Target.Value = "" Then Sheets(DBName).Range("AA2").ClearContents Else Sheets
16        (DBName).Range("AA2").Value = "*" & Target.Value & "*"
17        Record_ListLoad 'Run List load
18    End If
19    If FilterBy = "" Then Exit Sub
20    If Not Intersect(Target, Range(FilterBy)) Is Nothing And Range("B1").Value = False
21        Then Record_ListLoad 'Run List load
22    SkipSearch:
23 End Sub
24
25 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
26     If Target.CountLarge > 1 Then Exit Sub
27     If Range("B1").Value = True Then Exit Sub
28     Dim RecRng As Range, FiltRng As Range
29     If Range("B16").Value = False Then Range("B16").Value = True
30     If Shapes("DelFieldBtn").Visible = True Then Shapes("DelFieldBtn").Visible =
31     msoFalse 'Delete Field Button
32     If Shapes("AddPicBtn").Visible = True Then Shapes("AddPicBtn").Visible = msoFalse
33     'Add Picture Button
34     If Shapes("AddDocBtn").Visible = True Then Shapes("AddDocBtn").Visible = msoFalse
35     'Add Document Button
36     If Shapes("EditListBtn").Visible = True Then Shapes("EditListBtn").Visible =
37     msoFalse 'Edit List Button
38     DBName = Range("B2").Value 'Db Name
39
40     On Error GoTo NoField
41     DBCol = Replace(ActiveCell.Name.Name, DBName & "_FormField", "")
42     FieldRow = DBCol + 19 'Field Row
43     FieldType = Range("B" & FieldRow).Value 'Field type
44
45     'On Selection of editable field in Edit Mode, show delete button
46     If Not Intersect(Target, Range("E2:Z99")) Is Nothing And Shapes("EditModeBack").
47     TextFrame2.TextRange.Text = "On" And InStr(Target.Name.Name, "Form") > 0 Then
48         With Shapes("DelFieldBtn")
49             .Left = Target.Offset(0, 1).Left + 1
50             .Top = Target.Top + -5
51             .Visible = msoCTrue
52         End With
53     End If
54
55     'On Selection Of Picture Field, show folder
56     On Error GoTo NoPic
57     If Not Intersect(Target, Range("E2:Z99")) Is Nothing And FieldType = "Picture"
58         Then
59             With Shapes("AddPicBtn")
60                 .Left = Target.Offset(0, 1).Left + 1
61                 .Top = Target.Top + 2

```

1 2 3

```

53     1 2 3
54     .Visible = msoCTrue
55     End With
56     NoPic:
57     End If
58     'On Selection Of Document Field
59     On Error GoTo NoDoc
60     If Not Intersect(Target, Range("E2:Z99" )) Is Nothing And FieldType = "Document"
61     Then
62         With Shapes("AddDocBtn" )
63             .Left = Target.Offset(0, 1).Left + 1
64             .Top = Target.Top + 2
65             .Visible = msoCTrue
66         End With
67         NoDoc:
68         End If
69
70         NoField:
71
72         If Range("B4" ).Value = "" Then GoTo NoFilter
73         'On Selection of Record, load record
74         On Error Resume Next
75         Set FiltRng = Range(Range("B4" ).Value) 'Filter Range
76         Set RecRng = Range(Cells(FiltRng.Offset(1, 0).Row, FiltRng.Column), Cells(FiltRng.
77         Offset(999, 0).Row, FiltRng.Column))
78         On Error GoTo 0
79         If RecRng Is Nothing Then Exit Sub
80         If Not Intersect(Target, RecRng) Is Nothing Then
81             If Cells(Target.Row, Target.Column - 1).Value = Empty Then Exit Sub 'Exit on no
82             record ID
83             Range("B5" ).Value = Cells(Target.Row, Target.Column - 1).Value
84             Range("B8" ).Value = Target.Row
85             Record_Load
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87         NoFilter:
88
89         'On Selection of any cell with a drop down list (data Validation)
90         If Not Intersect(Target, Range("E2:Z99" )) Is Nothing And FieldType = "Drop Down"
91         Then
92             CheckForValidation
93         End If
94     End Sub

```

1 Option Explicit

2

1 Option Explicit

2

```
1 Option Explicit
2
3 Private Sub Workbook_Deactivate()
4     On Error Resume Next
5     With Application
6         .CommandBars("Cell" ).Controls("Create Form" ).Delete
7     End With
8     On Error GoTo 0
9 End Sub
10
11 Private Sub Workbook_SheetBeforeRightClick(ByVal Sh As Object, ByVal Target As Range,
12     Cancel As Boolean)
13     Dim cmdBtn As CommandBarButton
14     On Error Resume Next
15     With Application
16         .CommandBars("Cell" ).Controls("Create Form" ).Delete
17         Set cmdBtn = .CommandBars("Cell" ).Controls.Add(Temporary:=True, Before:=1, Type:
18             =msoControlButton)
19     End With
20     With cmdBtn
21         .Caption = "Create Form"
22         .FaceId = 9469
23         .OnAction = "CreateForm"
24     End With
25     On Error GoTo 0
26 End Sub
```

```
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 DBName 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    With ActiveSheet
11        DBName = .Range("B2" ).Value 'Database Sheet Name
12        ListCol = Sheets(DBName).Range("BA1:BZ1" ).Find(DropDown.ListName, , xlValues,
13            xlWhole).Column
14        Range(Sheets(DBName).Cells(2, ListCol), Sheets(DBName).Cells(999, ListCol)).
15            ClearContents 'Clear Previous Data
16
17        ListItems = Split(DropDown.ListItems, "," ) 'Create List Items Array
18        ListRow = 2 'Set Intial List Row #
19        For ItemNumb = 0 To UBound(ListItems)
20            Sheets(DBName).Cells(ListRow, ListCol).Value = ListItems(ItemNumb) 'Set List
21            Item
22            ListRow = ListRow + 1
23        Next ItemNumb
24        Unload Me
25        DropDown.Hide
26    End With
27 End Sub
```



```
1 Option Explicit
2
3
4 Private Sub CancelBtn_Click()
5     FormSetup.Hide
6     Unload FormSetup
7 End Sub
8
9 Private Sub OKBtn_Click()
10    Setup_FormSheet
11 End Sub
```

```

1 Option Explicit
2 Dim DBName As String
3
4 Sub ClearForm()
5     Dim FormName As Name
6     Dim PicShape As Shape
7     If MsgBox("Are you sure you want to delete this form and ALL of the data?" , vbYesNo
8         , "Clear Form & ALL Data" ) = vbNo Then Exit Sub
9     With ActiveSheet
10        .Range("B1" ).Value = True 'Set Search & filter To True
11        DBName = .Range("B2" ).Value 'Database Name
12        For Each PicShape In .Shapes
13            If InStr(PicShape.Name, "RecordPic" ) > 0 Then PicShape.Delete 'Delete all
14                pictures
15            If InStr(PicShape.Name, "RecordDoc" ) > 0 Then PicShape.Delete 'Delete Doc
16                thumbnails
17        Next PicShape
18        .Shapes("RecBtnSet" ).Visible = msoFalse
19        .Range("D3:P99" ).Clear
20        .Range("B3: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, DBName & "_FormField" ) > 0 Then FormName.Delete
27        Next FormName
28        ResetFormShapes
29        .Range("B1" ).Value = False 'Set Search/ Filter to False
30    End With
31 End Sub
32
33 Sub EditMode()
34     Dim MovInc As Long, BtnMov As Long
35     Dim FldShp As Shape
36     With ActiveSheet
37         If .Shapes("EditModeBack" ).TextFrame2.TextRange.Text = "Off" Then 'Turn On
38             .Shapes("EditModeSwitch" ).ShapeStyle = msoShapeStylePreset77 'Turn To Green
39             Color
40             .Shapes("EditModeBack" ).TextFrame2.TextRange.Text = "On"
41             MovInc = 1
42         Else 'Turn Off
43             MovInc = -1
44             .Shapes("EditModeSwitch" ).ShapeStyle = msoShapeStylePreset74 'Turn to gray
45             color
46             .Shapes("EditModeBack" ).TextFrame2.TextRange.Text = "Off"
47         End If
48         Application.ScreenUpdating = False
49         For Each FldShp In .Shapes
50             If InStr(FldShp.Name, "FieldType" ) > 0 Or InStr(FldShp.Name, "FormField" ) >
51                 0 Then
52                 If .Shapes("EditModeBack" ).TextFrame2.TextRange.Text = "Off" Then FldShp.
53                     Visible = msoFalse Else FldShp.Visible = msoCTrue
54             End If
55         Next FldShp
56
57         For BtnMov = 1 To 29
58             .Shapes("EditModeSwitch" ).Left = .Shapes("EditModeSwitch" ).Left + MovInc
59         Next BtnMov
60         ResetFormShapes
61     End With
62 End Sub

```

1 2

```

1 2
55 Application.ScreenUpdating = True
56 End With
57 End Sub
58
59 Sub Item_CheckForMove()
60 Dim CountNumb As Long, FieldNumb As Long, DBCol As Long, ListNumb As Long
61 Dim OldLeftPos As Double, OldTopPos As Double, LeftPos As Double, TopPos As Double
62 Dim LabelCell As Range, FieldCell As Range
63 Dim SelShape As Shape
64 Dim DbWkSht As Worksheet
65 Dim FieldType As String, FieldLabel As String
66 Dim FoundPos As Range
67
68 With ActiveSheet
69 On Error Resume Next
70 Set SelShape = .Shapes(.Range("B12").Value) 'Select Shape
71 On Error GoTo 0
72 If SelShape Is Nothing Then Exit Sub
73
74 FieldNumb = Replace(.Range("B12").Value, Left(.Range("B12").Value, 9), "")
    'Field / Col Number
75 FieldType = .Range("B13").Value 'Field Name
76 OldLeftPos = .Range("B14").Value 'Old Left Position
77 OldTopPos = .Range("B15").Value 'Old Top Position
78
79 For CountNumb = 1 To 30000
80 DoEvents
81 If .Range("B16").Value = True Then End
82 TopPos = SelShape.Top 'Current Top Position
83 LeftPos = SelShape.Left 'Current Left Position
84
85 'Check For Field Move
86 If TopPos <> OldTopPos Or LeftPos <> OldLeftPos Then 'Shape has moved
87 If FieldNumb = 1 Then GoTo SkipCheck 'Button Set
88 'Check for correct move
89 If TopPos < .Range("3:3").Top Or TopPos > .Range("40:40").Top Or LeftPos
    < .Range("E:E").Left Or LeftPos > .Range("0:0").Left Then
90 MsgBox "Please drag the shape onto the form field"
91 ResetFormShapes
92 Exit Sub
93 End If
94 SkipCheck:
95 .Range("B16").Value = True
96 DBName = .Range("B2").Value 'Database Name
97 Set DbWkSht = ThisWorkbook.Sheets(DBName) 'Set DB Worksheet
98 SelShape.Visible = msoFalse 'Hide shape that was moved
99 'Check For Button Set
100 If FieldType = "Button Set" Then
101 With .Shapes("RecBtnSet")
102 .Top = TopPos
103 .Left = LeftPos
104 .Visible = msoCTrue
105 End With
106 ResetFormShapes 'Reset Form Shapes
107 Exit Sub
108 End If
109 Set LabelCell = .Range(SelShape.TopLeftCell.Address)
110
111 'Check For Search Field
112 If FieldType = "Search Field" Then
113 If .Range("B3").Value <> "" Then 'Search Field Exists

```

```

1 2 3 4 5 6
114 MsgBox "Search field exists already, please clear the form to remove
all fields and start again"
115 ResetFormShapes 'Reset Form Shapes
116 Exit Sub
117 End If
118 Set FieldCell = .Range(SelShape.TopLeftCell.Address).Offset(1, 0)
'Field Cell
119 If LabelCell.Value <> "" Or LabelCell.Offset(1, 0).Value <> "" Or
LabelCell.Offset(2, 0).Value <> "" Then 'Check for occupied cells
120 MsgBox "This cell, or the cells below, are already taken. Please
select another column or row)"
121 ResetFormShapes 'Reset Form Shapes
122 Exit Sub
123 End If
124 Range("B1" ).Value = True 'Set Search Add To True
125 LabelCell.Value = "Search By:"
126 Admin.Range("DefaultLabel" ).Copy
127 LabelCell.PasteSpecial xlPasteFormats 'Label
128 LabelCell.HorizontalAlignment = xlCenter
129 Admin.Range("DefaultField" ).Copy
130 FieldCell.PasteSpecial xlPasteFormats 'Drop Down List
131 FieldCell.Offset(1, 0).PasteSpecial xlPasteFormats 'Search Field
132 FieldCell.Validation.Add Type:=xlValidateList, AlertStyle:=
xlValidAlertStop, Formula1:="=" & DBName & "Fields"
133 FieldCell.Value = DbWkSht.Cells(DbWkSht.Range(DBName & "Fields" ).Row,
DbWkSht.Range(DBName & "Fields" ).Column + 1).Value 'Set Intial value
to 2nd column header of DB (as default)
134 DbWkSht.Range("AA1" ).Formula = "=" & DBName & "_Form!" & FieldCell.
Address 'Set Criteria Header Formula
135 .Range("B3" ).Value = FieldCell.Offset(1, 0).Address 'Set Search Field
136 Range("B1" ).Value = False 'Set Search Add To False
137 ResetFormShapes 'Reset Form Shapes
138 Exit Sub
139 End If
140
141 'Check For Filtered List
142 If FieldType = "Filtered List" Then
143 If .Range("B4" ).Value <> "" Then 'Filtered List Exists
144 MsgBox "Filtered list already 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 Range("B1" ).Value = True 'Set Filter Add To True
149 Set FieldCell = LabelCell.Offset(1, 0)
150 Admin.Range("DefaultLabel" ).Copy
151 LabelCell.PasteSpecial xlPasteFormats 'Label
152 LabelCell.Value = DBName & " Results"
153 LabelCell.HorizontalAlignment = xlCenter
154 Admin.Range("DefaultField" ).Copy
155 FieldCell.PasteSpecial xlPasteFormats 'Drop Down List
156 FieldCell.Validation.Add Type:=xlValidateList, AlertStyle:=
xlValidAlertStop, Formula1:="=" & DBName & "Fields"
157 FieldCell.Value = DbWkSht.Cells(DbWkSht.Range(DBName & "Fields" ).Row,
DbWkSht.Range(DBName & "Fields" ).Column + 1).Value 'Set Intial value
to 2nd column header of DB (as default)
158
159 .Range("A10:B10" ).Copy 'Copy Format/conditional formatting
160 Range(.Cells(FieldCell.Row + 1, FieldCell.Column - 1), .Cells(FieldCell.
Row + 100, FieldCell.Column)).PasteSpecial xlPasteFormats
161 .Range("B4" ).Value = FieldCell.Address 'Set Search Field

```

```

162     .Range("B1" ).Value = False 'Set Filter Add To False
163     ResetFormShapes 'Reset Form Shapes
164     Exit Sub
165 End If
166
167     Set FieldCell = .Range(SelShape.TopLeftCell.Address).Offset(0, 1) 'Set
Field Cell
168     'Check If positioned over another field
169     If LabelCell.Value <> "" Or LabelCell.Offset(0, -1).Value <> "" Or
LabelCell.Offset(0, 1).Value <> "" Then
170         MsgBox "This cell, or an adjacent cell, is already taken. Please select
another column or row)"
171         ResetFormShapes 'Reset Form Shapes
172         Exit Sub
173     End If
174
175     FieldLabel = .Range("B13" ).Value 'Field Label
176     If FieldLabel = "" Then
177         ResetFormShapes 'Reset Form Shapes
178         Exit Sub
179     End If
180
181     Admin.Range("DefaultLabel" ).Copy
182     LabelCell.PasteSpecial xlPasteFormats
183     LabelCell.Value = FieldLabel 'Field Label
184     Admin.Range("DefaultField" ).Copy
185     FieldCell.PasteSpecial xlPasteFormats
186     DBCol = .Range("A" & FieldNumb).Value 'Database Column
187     FieldCell.Name = DBName & "_FormField" & DBCol 'Set Field Name
188     FieldType = .Range("B" & FieldNumb).Value 'Field type
189
190     Select Case FieldType
191     Case Is = "Drop Down"
192         FieldCell.Validation.Add Type:=xlValidateList, AlertStyle:=
xlValidAlertInformation, Formula1:="=" & DBName & "List" & DBCol
193     Case Is = "Date"
194         FieldCell.NumberFormat = Admin.Range("DateField" ).NumberFormat
195     Case Is = "Amount"
196         FieldCell.NumberFormat = Admin.Range("AmtField" ).NumberFormat
197     Case Is = "Number"
198         FieldCell.NumberFormat = Admin.Range("NumbField" ).NumberFormat
199     Case Is = "Percentage"
200         FieldCell.NumberFormat = Admin.Range("PercField" ).NumberFormat
201     End Select
202     ResetFormShapes 'Reset Form Shapes
203 End If
204 Next CountNumb
205 .Range("B16" ).Value = True
206 Application.ScreenUpdating = True
207 End With
208 End Sub
209 Sub Item_Select()
210     With ActiveSheet
211         Application.ScreenUpdating = False
212         .Range("B12" ).Value = Application.Caller 'Selected Shape Name
213         .Range("B13" ).Value = .Shapes(Application.Caller).TextFrame2.TextRange.Text
'Selected Field
214         .Range("B14" ).Value = .Shapes(Application.Caller).Left 'Left Pos
215         .Range("B15" ).Value = .Shapes(Application.Caller).Top 'Top Pos
216         .Range("B16" ).Value = False 'Reset move to false
217         .Shapes(Application.Caller).Select 'Select the clicked shape

```

```

1 2
218 Application.ScreenUpdating = True
219 Item_CheckForMove 'Run Macro To Check For Move
220 End With
221 End Sub
222
223 Sub RemoveField()
224 With ActiveSheet
225 ActiveCell.Clear 'Clear Values and formatting
226 ActiveCell.Name.Delete 'Delete named range from cell
227 ActiveCell.Offset(0, -1).Clear 'Clear Values & Formatting from label
228 Admin.Range("FormBack").Copy ' Copy Form background from admin
229 ActiveCell.PasteSpecial xlPasteFormats 'Paste into active cell
230 ActiveCell.Offset(0, -1).PasteSpecial xlPasteFormats 'Paste into Label
231 .Shapes("DelFieldBtn").Visible = msoFalse 'Hide Delete Icon
232 End With
233 ResetFormShapes 'Run Macro to redo shapes
234 End Sub
235
236 Sub ResetFormShapes()
237 Dim FieldNum As Long, LastFieldRow As Long, FieldRow As Long, DBCol As Long
238 Dim LeftPos As Double, TopPos As Double
239 Dim FieldRng As Range
240 With ActiveSheet
241 'Set Field Types
242 If .Shapes("EditModeBack").TextFrame2.TextRange.Text = "Off" Then Exit Sub
243 DBName = .Range("B2").Value 'Database Name
244 LeftPos = .Range("C1").Left + 4
245 TopPos = .Range("C2").Top + 10
246 For FieldNum = 1 To 3
247 If FieldNum = 1 And .Shapes("RecBtnSet").Visible = True Then GoTo SkipField
248 'Skip Button Set if already Visible
249 If FieldNum = 2 And .Range("B3").Value <> Empty Then GoTo SkipField ' Skip
250 Search Field If already displayed
251 If FieldNum = 3 And .Range("B4").Value <> Empty Then GoTo SkipField ' Skip
252 Display Field If already displayed
253 With .Shapes("FieldType" & FieldNum)
254 .Left = LeftPos
255 .Top = TopPos
256 .Height = 22
257 .Width = 90
258 .Visible = msoCTrue
259 End With
260 TopPos = TopPos + 25 'Increment Top Pos
261 GoTo SkipHide
262 SkipField:
263 .Shapes("FieldType" & FieldNum).Visible = msoFalse 'Hide form objects if
264 they have been added
265 SkipHide:
266 Next FieldNum
267
268 'Set Form Fields (Display only those form fields that have not been added)
269 LastFieldRow = .Range("B150").End(xlUp).Row 'Last Field Row
270 For FieldRow = 21 To LastFieldRow
271 DBCol = .Range("A" & FieldRow).Value 'Database Col
272 On Error Resume Next
273 Set FieldRng = .Range(DBName & "_FormField" & DBCol)
274 On Error GoTo 0
275 If Not FieldRng Is Nothing Then
276 .Shapes("FormField" & FieldRow).Visible = msoFalse 'Make sure shape is
277 hidden
278 GoTo SkipFormField

```

```
274     1 2 3 4 End If
275     With .Shapes("FormField" & FieldRow)
276         .Left = LeftPos
277         .Top = TopPos
278         .Height = 22
279         .Width = 90
280         .Visible = msoCTrue
281     End With
282     TopPos = TopPos + 25 'Increment Top Pos
283     SkipFormField:
284     Set FieldRng = Nothing
285     Next FieldRow
286     .Range("F3" ).Select
287 End With
288 End Sub
```



```

1 Option Explicit
2 Dim DBCol As Long, DBRow As Long, LastDBCol As Long, LastDBRow As Long, ViewCol As Long
  , UniqueIDCol As Long
3 Dim FilterCol As Long, FilterRow As Long, LastResultRow As Long, HeadRow As Long,
  FirstDBCol As Long
4 Dim FieldRow As Long, LastFieldRow As Long
5 Dim PicShape As Shape, DocShape As Shape
6 Dim DbWkSht As Worksheet, FormWkSht As Worksheet
7 Dim ResultRng As Range
8 Dim DBName As String
9
10
11 Sub Record_Delete()
12     If MsgBox("Are you sure you want to delete this record?" , vbYesNo, "Delete Record"
13         ) = vbNo Then Exit Sub
14     With ActiveSheet
15         If .Range("B6 ").Value = "" Or .Range("B2 ").Value = "" Then GoTo NotSaved
16         DBRow = .Range("B6 ").Value
17         DBName = .Range("B2 ").Value 'Database Worksheet
18         Sheets(DBName).Range(DBRow & ":" & DBRow).EntireRow.Delete
19         NotSaved:
20         On Error Resume Next
21         .Shapes("RecordPic" ).Delete 'Delete any pic if it exists
22         .Shapes("RecordDoc" ).Delete 'Delete any documents that exist
23         On Error GoTo 0
24         Record_New 'Clear Fields
25         Record_ListLoad 'Update record List
26     End With
27 End Sub
28
29 Sub Record_ListLoad()
30     With ActiveSheet
31         If .Range("B2 ").Value = Empty Then Exit Sub 'Exit on no DB
32         If .Range("B9 ").Value = Empty Then Exit Sub 'Exit on no Filter Column Row
33         ViewCol = .Range("B9 ").Value 'Set View Column)
34         DBName = .Range("B2 ").Value 'Database Worksheet
35         UniqueIDCol = .Range("B17 ").Value 'Unique ID Col
36         HeadRow = .Range("B18 ").Value 'Database Header Row
37         FirstDBCol = .Range("B19 ").Value 'First DB Col
38         FilterCol = .Range(.Range("B4 ").Value).Column
39         FilterRow = .Range(.Range("B4 ").Value).Row + 1
40         .Range("B8 ").ClearContents 'Clear Selected Row
41         .Range(.Cells(FilterRow, FilterCol - 1), .Cells(9999, FilterCol)).ClearContents
42         'Clear any existing data
43     End With
44     Set DbWkSht = Sheets(DBName) 'Set Database Workseet
45     Set FormWkSht = ActiveSheet
46     With DbWkSht
47         LastDBRow = .Range("A9999" ).End(xlUp).Row 'Last DB Row
48         If LastDBRow < HeadRow + 1 Then Exit Sub
49         LastDBCol = .Range("Z" & HeadRow).End(xlToLeft).Column 'Last DB Column
50         .Range("AC1" ).Value = DbWkSht.Cells(HeadRow, UniqueIDCol).Value 'Set Results
51         .Range("AD1" ).Value = .Cells(HeadRow, ViewCol).Value 'Set results
52         Range(.Cells(HeadRow, FirstDBCol), .Cells(LastDBRow, LastDBCol)).AdvancedFilter
53         xlFilterCopy, CriteriaRange:=.Range("AA1:AA2" ), CopyToRange:=.Range("AC1:AD1" ),
54         Unique:=True
55         LastResultRow = .Range("AC9999" ).End(xlUp).Row
56         If LastResultRow < 2 Then Exit Sub
57         Range(FormWkSht.Cells(FilterRow, FilterCol - 1), FormWkSht.Cells(FilterRow - 2 +

```

```

1 2
    LastResultRow, FilterCol)).Value = .Range("AC2:AD" & LastResultRow).Value
    'Bring over Results
56 End With
57
58 End Sub
59
60 Sub Record_Load()
61     Dim PicName As Name
62     Dim FieldRng As Range
63     With ActiveSheet
64         For Each PicShape In .Shapes
65             On Error Resume Next
66             If InStr(PicShape.Name, "RecordPic" ) > 0 Then PicShape.Delete 'Delete
67             any/all pictures
68             If InStr(PicShape.Name, "RecordDoc" ) > 0 Then PicShape.Delete 'Delete
69             any/all Documents
70             On Error GoTo 0
71         Next PicShape
72         If .Range("B2" ).Value = Empty Or .Range("B6" ).Value = Empty Then Exit Sub
73         DBName = .Range("B2" ).Value 'Database Worksheet
74         Set DbWkSht = Sheets(DBName) 'Set Database Workseet
75         LastFieldRow = .Range("A999" ).End(xlUp).Row 'Last Field Row
76         If LastFieldRow < 21 Then Exit Sub
77         DBRow = .Range("B6" ).Value
78         For FieldRow = 21 To LastFieldRow
79             DBCol = .Range("A" & FieldRow).Value 'DB Row
80             On Error Resume Next
81             Set FieldRng = .Range(DBName & "_FormField" & DBCol)
82             On Error GoTo 0
83             If FieldRng Is Nothing Then GoTo SkipField
84             FieldRng.Value = DbWkSht.Cells(DBRow, DBCol).Value 'Load From Database
85             If .Range("B" & FieldRow).Value = "Picture" Then
86                 .Range(DBName & "_FormField" & DBCol).Select
87                 Form_ShowPic
88             End If
89             'Show Any Document thumbnails
90             If .Range("B" & FieldRow).Value = "Document" Then
91                 .Range(DBName & "_FormField" & DBCol).Select
92                 Form_ShowDoc
93             End If
94             SkipField:
95             Set FieldRng = Nothing
96         Next FieldRow
97         If .Range("B3" ).Value <> Empty Then .Range(.Range("B3" ).Value).Select 'Select
98         Search Field
99     End With
100 End Sub
101
102 Sub Record_New()
103     With ActiveSheet
104         For Each PicShape In .Shapes
105             On Error Resume Next
106             If InStr(PicShape.Name, "RecordPic" ) > 0 Then PicShape.Delete
107             If InStr(PicShape.Name, "RecordDoc" ) > 0 Then PicShape.Delete
108             On Error GoTo 0
109         Next PicShape
110         If .Range("B2" ).Value = Empty Then Exit Sub 'Exit on no DB
111         DBName = .Range("B2" ).Value 'Database Worksheet
112         Set DbWkSht = Sheets(DBName) 'Set Database Workseet
113         LastFieldRow = .Range("A150" ).End(xlUp).Row
114         .Range("B5,B8" ).ClearContents 'Clear Selected Rec. ID and Selected Row

```

```
1 2
112 If LastFieldRow < 21 Then Exit Sub
113 For FieldRow = 21 To LastFieldRow
114     DBRow = .Range("A" & FieldRow).Value 'Database row
115     .Range(DBName & "_FormField" & DBRow).ClearContents
116 Next FieldRow
117 End With
118 End Sub
119 Sub Record_SaveUpdate()
120 With ActiveSheet
121     If .Range("B2" ).Value = Empty Then Exit Sub 'Exit on no DB
122     DBName = .Range("B2" ).Value 'Database Worksheet
123     UniqueIDCol = .Range("B17" ).Value 'Unique ID Column
124     HeadRow = .Range("B18" ).Value 'Database Header Row
125     FirstDBCcol = .Range("B19" ).Value 'First DB Col
126     Set DbWkSht = Sheets(DBName) 'Set Database Workseet
127     LastFieldRow = .Range("A150" ).End(xlUp).Row 'Last Field Row
128     If .Range("B6" ).Value = Empty Then 'New Record
129         DBRow = DbWkSht.Range("A99999" ).End(xlUp).Row + 1 'Database Row
130         .Range("B5" ).Value = .Range("B7" ).Value 'Set Next Rec. ID
131         DbWkSht.Cells(DBRow, UniqueIDCol).Value = .Range("B7" ).Value 'Set Next Rec. ID
132     Else: 'Existing record
133         DBRow = .Range("B6" ).Value
134     End If
135     For FieldRow = 21 To LastFieldRow
136         DBCol = .Range("A" & FieldRow).Value 'DB Row
137         DbWkSht.Cells(DBRow, DBCol).Value = .Range(DBName & "_FormField" & DBCol).Value
138     Next FieldRow
139     Record_ListLoad
140     MsgBox DBName & " Saved"
141 End With
142 End Sub
```

```

1 Option Explicit
2 Dim DBCol As Long
3 Dim DBName As String, ItemNames As String, ListName As String
4 Dim ListNumb As Long, ListCol As Long, LastRow As Long, ListRow As Long
5
6 'Updated Macros
7 Sub Form_BrowseDocument()
8     Dim FormDoc As FileDialog
9     With ActiveSheet
10        Set FormDoc = Application.FileDialog(msoFileDialogFilePicker)
11        With FormDoc
12            .Title = "Please select a document"
13            .Filters.Add "Document Files" , "*.*" , 1
14            .AllowMultiSelect = False
15            If .Show <> -1 Then GoTo NoDoc
16            ActiveCell.Value = .SelectedItems(1)
17        End With
18        Form_ShowDoc 'Run Macro to display Document Thumb
19        NoDoc:
20    End With
21 End Sub
22
23 Sub Form_BrowsePic()
24     Dim FormPic As FileDialog
25     With ActiveSheet
26        Set FormPic = Application.FileDialog(msoFileDialogFilePicker)
27        With FormPic
28            .Title = "Please select a picture"
29            .Filters.Add "Picture Files" , "*.jpg,*.png,*.gif,*.jpeg" , 1
30            .AllowMultiSelect = False
31            If .Show <> -1 Then GoTo NoSelection
32            ActiveCell.Value = .SelectedItems(1)
33        End With
34        Form_ShowPic 'Run Macro to display picture
35        NoSelection:
36    End With
37 End Sub
38
39 Sub Form_ShowDoc()
40     With ActiveSheet
41        Dim DocPath As String, FileType As String
42        DBName = .Range("B2" ).Value 'DB Sheet
43        DBCol = Replace(ActiveCell.Name.Name, DBName & "_FormField" , "" )
44        If IsNumeric(DBCol) = False Then Exit Sub
45        On Error Resume Next
46        .Shapes("RecordDoc" & DBCol).Delete
47        On Error GoTo 0
48        DocPath = ActiveCell.Value 'Document File Path
49        If DocPath = "" Then Exit Sub
50        ActiveCell.HorizontalAlignment = xlRight
51        FileType = Right(DocPath, Len(DocPath) - InStrRev(DocPath, "." )) 'File Type
52        Select Case FileType
53        Case Is = "png" , "jpg" , "gif" , "jpeg" , "bmp" , "tiff" 'Picture Type
54            .Pictures.Insert(DocPath).Name = "RecordDoc" & DBCol
55        Case Else
56            .OLEObjects.Add(FileName:=DocPath, Link:=True, DisplayAsIcon:=False).Name =
57                "RecordDoc" & DBCol
58        End Select
59        With .Shapes("RecordDoc" & DBCol)
60            .LockAspectRatio = True
61            If .Width > .Height Then .Width = 170 Else .Height = 150

```

1 2 3

```
61      1 2 3      .Left = ActiveCell.Offset(0, 1).Left + 15 'Set Shape Left
62      .Top = ActiveCell.Offset(0, 1).Top ' Set Shape Top
63      End With
64      End With
65      End Sub
66
67
68
69      Sub Form_ShowPic()
70          Dim PicPath As String
71          With ActiveSheet
72              DBName = .Range("B2" ).Value
73              DBCol = Replace(ActiveCell.Name.Name, DBName & "_FormField" , "" )
74              If IsNumeric(DBCol) = False Then Exit Sub
75              On Error Resume Next
76              .Shapes("RecordPic" & DBCol).Delete
77              On Error GoTo 0
78              PicPath = ActiveCell.Value 'Picture File Path
79              If PicPath = "" Then Exit Sub
80              ActiveCell.HorizontalAlignment = xlRight
81              If Dir(PicPath, vbDirectory) <> "" Then
82                  .Pictures.Insert(PicPath).Name = "RecordPic" & DBCol 'Insert Pic Into Shape
83
84                  With .Shapes("RecordPic" & DBCol)
85                      .LockAspectRatio = msoCTrue
86                      If .Width > .Height Then .Width = 70 Else .Height = 50
87                      .Left = ActiveCell.Offset(0, 1).Left + 15 'Set Picture Left
88                      .Top = ActiveCell.Offset(0, 1).Top ' Set Picture Top
89                      .Visible = msoCTrue
90                  End With
91              End If
92          End With
93      End Sub
```

```

1 Option Explicit
2 Dim DBName As String, ColType As String, FieldFormat As String, FieldType As String,
   UniqueIDNm As String
3 Dim DBRow As Long, DBCol As Long, HeadRow As Long, FirstCol As Long, LastCol As Long,
   ListNum As Long
4 Dim ColNum As Long, LastRow As Long, ColCount As Long, UniqueIDCol As Long, ListCol As
   Long
5 Dim LastResultRow As Long, ColQty As Long, UniqueQty As Long, FormRow As Long
6 Dim ListNm As Name
7 Dim FormSht As Worksheet
8
9 Sub Setup_FormSheet()
10     'Check for completed fields
11     With FormSetup
12         If .DatabaseName = "" Or .FirstCol <= 0 Or .HeaderRow <= 0 Or .LastCol <= 0 Or .
            UniqueIDCol <= 0 Then
13             MsgBox "Please make sure the Database Name, First Column, Header Row, Last
                Column & Unique ID, are all filled out properly"
14             Exit Sub
15         End If
16         DBName = .DatabaseName 'Database Name
17         FirstCol = .FirstCol 'First Column
18         LastCol = .LastCol 'Last Column
19         HeadRow = .HeaderRow 'Header Row
20         UniqueIDCol = .UniqueIDCol 'Unique Column
21         .Hide
22     End With
23
24     'Create Form Sheet
25     On Error Resume Next
26     Application.DisplayAlerts = False
27     Sheets(DBName & "_Form" ).Delete 'Delete sheet if it exists already
28     Application.DisplayAlerts = True
29     On Error GoTo 0
30     Sheets("FormTemplate" ).Copy Before:=Sheets(DBName)
31     ActiveSheet.Name = DBName & "_Form" 'Set Name For New Form Sheet
32     Set FormSht = ThisWorkbook.Sheets(DBName & "_Form" )
33     FormSht.Range("B2" ).Value = DBName 'Set Database Name
34
35     With Sheets(DBName)
36         'Clear any previous lists
37         .Range("BA1:BZ9999" ).ClearContents 'Clear any previous list data
38         For Each ListNm In ThisWorkbook.Names
39             If InStr(ListNm.Name, DBName & "List" ) > 0 Then ListNm.Delete 'Delete any
                existing DB Lists
40         Next ListNm
41
42         LastRow = .Cells(999999, UniqueIDCol).End(xlUp).Row 'Last Row
43         'Create Unique ID & Field Names Named Ranges
44         UniqueIDNm = Replace(.Cells(HeadRow, UniqueIDCol).Value, " ", "_" ) 'Get Header
            Name For Unique ID and replace any spaces with underscores
45
46         On Error Resume Next
47         ThisWorkbook.Names(UniqueIDNm).Delete
48         ThisWorkbook.Names(DBName & "Fields" ).Delete
49         On Error GoTo 0
50         ThisWorkbook.Names.Add Name:=UniqueIDNm, RefersTo:="=offset('" & DBName & "'!
            & .Cells(HeadRow, UniqueIDCol).Address & ",1,,COUNTA('" & DBName & "'!
            & .
            Cells(HeadRow, UniqueIDCol).Address & ":" & .Cells(99999, UniqueIDCol).Address &
            ")-1,1)"
51         ThisWorkbook.Names.Add Name:=DBName & "Fields" , RefersTo:="='" & DBName & "'!"

```

1 2

```

1 2
    & .Cells(HeadRow, FirstCol).Address & ":" & .Cells(HeadRow, LastCol).Address
52 FormSht.Range("D1").Value = UCase(DBName & " FORM" )
53 FormSht.Range("B6").Value = "=IFERROR(MATCH(B5," & UniqueIDNm & ",0)+)" &
HeadRow & "," & Chr(34) & Chr(34) & ")" 'Record DB Row
54 FormSht.Range("B7").Value = "=IFERROR(MAX(" & UniqueIDNm & ")+1,1)" 'Next
Rec. ID Formula
55 FormSht.Range("B9").Value = "=IFERROR(MATCH(INDIRECT(B4)," & DBName &
"Fields,0)," & Chr(34) & Chr(34) & ")" 'Database Display Column
56 FormSht.Range("B17").Value = FormSetup.UniqueIDCol 'Unique ID Column
57 FormSht.Range("B18").Value = FormSetup.HeaderRow 'Header Row
58 FormSht.Range("B19").Value = FormSetup.FirstCol '1st DB Column
59 FormRow = 21 'Set Intial Form Row
60 ListCol = 53 'Set Intial List Column
61
62 For ColNumb = FirstCol To LastCol
63     If ColNumb = UniqueIDCol Then GoTo NextCol
64     FormSht.Range("A" & FormRow).Value = ColNumb 'DB Column
65     FormSht.Range("B" & FormRow).Value = FormSetup.Controls("ComboBox" & ColNumb
).Value 'Header Type
66     FormSht.Shapes("SampleField").Duplicate.Name = "FormField" & FormRow
'Duplicate Shape
67     FormSht.Shapes("FormField" & FormRow).TextFrame2.TextRange.Text = FormSetup.
Controls("Text" & ColNumb).Value 'Field Name
68
69
70 'Check For Possible Drop Down List Items
71 ColQty = Application.WorksheetFunction.CountA(Range(.Cells(HeadRow + 1,
ColNumb), .Cells(LastRow, ColNumb))) 'Count Items In Column
72 .Range("AZ1").Value = .Cells(HeadRow, ColNumb).Value 'Set Header row Name as
Criteria
73 On Error Resume Next
74 .Names("Criteria").Delete 'Delete any criteria if necessary
75 On Error GoTo 0
76 Range(.Cells(HeadRow, ColNumb), .Cells(LastRow, ColNumb)).AdvancedFilter
xlFilterCopy, , CopyToRange:=.Range("AZ1"), Unique:=True
77 LastResultRow = .Range("AZ9999").End(xlUp).Row
78 If ColQty > LastResultRow - 1 Then 'Non Unique Values (request Possible Drop
down)
79     If MsgBox("The " & .Cells(HeadRow, ColNumb).Value & " has duplicate
values. Would you like to make this field a drop down list?" , vbYesNo,
"Possible Drop Down List Columns" ) = vbNo Then GoTo NoDD
80     .Cells(1, ListCol).Value = DBName & "List" & ColNumb 'Set List Header
Name
81     Range(.Cells(2, ListCol), .Cells(LastResultRow, ListCol)).Value = .Range(
"AZ2:AZ" & LastResultRow).Value 'Add Unique Items
82     ThisWorkbook.Names.Add Name:=DBName & "List" & ColNumb, RefersTo:=
"=offset(" & DBName & "!" & .Cells(1, ListCol).Address &
",1,COUNTA(" & DBName & "!" & .Cells(1, ListCol).Address & ":" & .
Cells(99999, ListCol).Address & ")-1,1)" 'Dynamic Named Range
83     FormSht.Range("B" & FormRow).Value = "Drop Down"
84     ListCol = ListCol + 1 'Increment List Column
85     NoDD:
86 End If
87 FormRow = FormRow + 1 'Increment Form Row
88 NextCol:
89 Next ColNumb
90 ResetFormShapes 'Update Form Shape Positions
91 End With
92 End Sub

```



```

1 Option Explicit
2 Dim SelLeaveRow As Long
3
4 Sub CreateForm()
5     Dim DBName As String, ColType As String, FieldFormat As String, FieldType As String
6     Dim DBRow As Long, DBCol As Long, HeadRow As Long, FirstCol As Long, LastCol As Long
7     , ColCount As Long
8     Dim TopPos As Double, LeftPos As Double 'Used for form fields
9     Dim XPos As Double, YPos As Double 'Used for Form positioning
10    Dim TxtField As MSForms.TextBox
11    Dim LblField As MSForms.Label
12    Dim ComboBox As MSForms.ComboBox
13    Dim Cntrl As Control
14    With ActiveSheet
15        DBName = ActiveSheet.Name 'Active Sheet Name
16        If DBName = "Admin" Then 'Exit on Admin sheet
17            MsgBox "Please run this an a database or table sheet"
18            Exit Sub
19        End If
20        If InStr(DBName, "Form" ) > 0 Then
21            MsgBox "Please run this an a database or table sheet"
22            Exit Sub
23        End If
24        LastCol = ActiveSheet.Range("A1:Z5" ).Find("*" , SearchOrder:=xlByColumns,
25        SearchDirection:=xlPrevious).Column 'Determine Last Column
26        FirstCol = 1 'Set Default first column to column 1
27
28        'Find Header Row
29        For DBRow = 1 To 5 'Determine by most fields within the range (check first 5
30        rows)
31            If Application.WorksheetFunction.CountA(Range(.Cells(DBRow, 1), .Cells(DBRow,
32            LastCol))) > ColCount Then
33                HeadRow = DBRow
34                ColCount = Application.WorksheetFunction.CountA(Range(.Cells(DBRow, 1), .
35                Cells(DBRow, LastCol)))
36            End If
37        Next DBRow
38
39        'Set Initial Left and top Positions
40        LeftPos = 10 'Set Initial Left Pos
41        TopPos = 150 'Set Initial Top Pos
42
43        'Clear All Labels and Text Boxes & List Poxes & Pictures
44        With FormSetup
45            For Each Cntrl In .Controls
46                On Error Resume Next
47                If InStr(Cntrl.Name, "Label" ) > 0 Then Cntrl.Remove 'Delete all Labels
48                If InStr(Cntrl.Name, "Text" ) > 0 Then Cntrl.Remove 'Delete all Text Boxes
49
50                If InStr(Cntrl.Name, "ComboBox" ) > 0 Then Cntrl.Remove 'Delete all Combo
51                boxes
52                On Error GoTo 0
53            Next Cntrl
54            .DatabaseName = DBName 'Set Default Database Name
55            .HeaderRow = HeadRow
56            .FirstCol = FirstCol 'First Column
57            .UniqueIDCol = FirstCol 'Set Default Unique ID to First Column
58            .LastCol = LastCol 'Last Column
59            .Height = (33 * LastCol) + 185 'Dynamic Form Height based on # of Rows
60            'Set Fields

```

1 2 3

```

55   1 2 3 For DBCol = FirstCol To LastCol
56       'Determine Column Format
57       FieldFormat = ActiveSheet.Cells(HeadRow + 1, DBCol).NumberFormat
58       'Determine Cell Format
59       If FieldFormat = "General" Then FieldType = "Text"
60       If InStr(FieldFormat, "m" ) > 0 Then FieldType = "Date"
61       If FieldFormat = "0" Or FieldFormat = "0.0" Or FieldFormat = "0.00" Then
62           FieldType = "Number"
63       If InStr(FieldFormat, "$" ) > 0 Then FieldType = "Amount"
64       If InStr(FieldFormat, "%" ) > 0 Then FieldType = "Percentage"
65       If InStr(ActiveSheet.Cells(HeadRow + 1, DBCol).Value, "\" ) > 0 Then
66           FieldType = "Picture" 'Could be picture or document
67       If FieldType = "" Then FieldType = "Text"
68
69       'Add Field Labels
70       Set LblField = .Controls.Add("Forms.Label.1" , "Label" & DBCol)
71       With LblField
72           .Top = TopPos
73           .Width = 120
74           .Font.Size = 12 'Dynamic Font Size
75           .Left = LeftPos
76           .BackStyle = fmBackStyleTransparent
77           .Caption = ActiveSheet.Cells(HeadRow, DBCol).Value 'Set Header Label
78       End With
79
80       'Create Text Fields
81       Set TxtField = .Controls.Add("Forms.TextBox.1" , "Text" & DBCol)
82       With TxtField
83           .Value = ActiveSheet.Cells(HeadRow, DBCol).Value 'Set Text Data Field
84           .Top = TopPos
85           .WordWrap = True
86           .MultiLine = True
87           ' .Height = 20
88           .Left = LeftPos + 90
89           .Width = 100
90           .Font.Size = 12
91       End With
92
93       'Create Combo Boxes
94       Set ComboBox = .Controls.Add("Forms.ComboBox.1" , "ComboBox" & DBCol)
95       With ComboBox
96           .Value = FieldType 'Set Text Data Field
97           .RowSource = "FieldType" 'Add Named Range Formula for combo box
98           .Top = TopPos
99           .Left = LeftPos + 210
100          .Width = 80
101          .Font.Size = 12
102      End With
103      TopPos = TopPos + 30
104  Next DBCol
105  .OKBtn.Top = TopPos
106  .CancelBtn.Top = TopPos
107  .Show 'Show Form
108  End With 'Form
109  End With
110  End Sub
111
112

```

113

114

```

1 Option Explicit
2 Dim DBCol As Long
3 Dim DBName As String, ItemNames As String, ListName As String
4 Dim ListNum As Long, ListCol As Long, LastRow As Long, ListRow As Long
5 Sub CheckForValidation()
6     With ActiveSheet
7         Dim SelCell As Range, DBName As String
8         DBName = .Range("B2").Value
9         Application.EnableEvents = False
10        On Error GoTo NoVal
11        Set SelCell = Cells.SpecialCells(xlCellTypeAllValidation)
12        If Intersect(SelCell, ActiveCell) Is Nothing Then GoTo NoVal
13        If ActiveCell.Validation.Formula1 = "=" & DBName & "Fields" Then Exit Sub
14        With .Shapes("EditListBtn")
15            .Left = Sheets(DBName & "_Form").Cells(ActiveCell.Row, ActiveCell.Column - 1).
                .Left
16            .Top = Sheets(DBName & "_Form").Cells(ActiveCell.Row, ActiveCell.Column - 1).
                Top
17            .Visible = msoCTrue
18        End With
19    End With
20    NoVal:
21    Application.EnableEvents = True
22 End Sub
23 Sub EditListValues()
24     With ActiveSheet
25         If .Range("B2").Value = Empty Then Exit Sub 'Exit on no DB
26         .Range("B11").Value = True 'Set Edit List to True
27         DBName = .Range("B2").Value
28         ListName = Replace(ActiveCell.Validation.Formula1, "=", "" ) 'List Name (remove
                equal sign)
29         DBCol = Replace(ListName, DBName & "List" , "" )
30         On Error Resume Next
31         ListCol = Sheets(DBName).Range("BA1:BZ1").Find(ListName, , xlValues, xlWhole).
                Column 'Find List Column
32         On Error GoTo 0
33         If ListCol = 0 Then Exit Sub
34         LastRow = Sheets(DBName).Cells(9999, ListCol).End(xlUp).Row
35         DropDown.ListName.Value = Sheets(DBName).Cells(1, ListCol).Value 'List Name
36
37         If LastRow = 1 Then GoTo Noitems
38         For ListRow = 2 To LastRow
39             If ListRow <> LastRow Then
40                 ItemNames = ItemNames & Sheets(DBName).Cells(ListRow, ListCol).Value & ","
41             Else 'Last Item
42                 ItemNames = ItemNames & Sheets(DBName).Cells(ListRow, ListCol).Value 'No
                Comma on last item
43             End If
44         Next ListRow
45         Noitems:
46         DropDown.ListItems.Value = ItemNames 'Existing Item Names
47         DropDown.Show
48         On Error GoTo 0
49         .Range("B11").Value = False 'Set Edit List to False
50     End With
51 End Sub
52

```

A
ActiveCell, 3, 5, 7, 18, 23, 24, 30
ActiveSheet, 12, 14, 15, 17, 18, 20-25, 27, 28, 30
Add, 11, 16, 17, 23, 25, 26, 28
Address, 15-17, 25, 26
Admin, 16-18
AdvancedFilter, 20, 26
AlertStyle, 16, 17
AllowMultiSelect, 23
Application, 11, 14, 15, 17, 18, 23, 25-27, 30

B
BackStyle, 28
Before, 11, 25
BtnMov, 14

C
Caller, 17
Cancel, 11
CancelBtn, 28
CancelBtn_Click, 13
Caption, 11, 28
Cells, 4, 6, 8, 12, 16, 20-22, 25-28, 30
CheckForValidation, 4, 6, 8, 30
Chr, 26
Clear, 14, 18
ClearContents, 3, 5, 7, 12, 14, 20-22, 25
ClearForm, 14
cmdBtn, 11
Cntrl, 27
ColCount, 25, 27
ColNumb, 25, 26
ColQty, 25, 26
ColType, 25, 27
Column, 4, 6, 8, 12, 16, 20, 27, 30
ComboBox, 27, 28
CommandBarButton, 11
CommandBars, 11
Control, 27
Controls, 11, 26-28
Copy, 16-18, 25
CopyToRange, 20, 26
CountA, 26, 27
CountLarge, 3, 5, 7
CountNumb, 15, 17
CreateForm, 27
CriteriaRange, 20

D
DatabaseName, 25, 27
DBCol, 3, 5, 7, 15, 17, 18, 20-25, 27, 28, 30
DBName, 3, 5, 7, 12, 14-18, 20-27, 30
DBRow, 20-22, 25, 27
DbWkSht, 15, 16, 20-22
Delete, 11, 14, 18, 20, 21, 23-26
Dir, 24
DisplayAlerts, 25
DisplayAsIcon, 23
DocPath, 23
DocShape, 20
DoEvents, 15
DropDown, 12, 30
Duplicate, 26

E
EditListValues, 30
EditMode, 14
Empty, 3-8, 18, 20-22, 30

EnableEvents, 30
EntireRow, 20
Explicit, 2, 3, 5, 7, 9-14, 20, 23, 25, 27, 30

F
Faceld, 11
FieldCell, 15-17
FieldFormat, 25, 27, 28
FieldLabel, 15, 17
FieldNumb, 15, 17, 18
FieldRng, 18, 19, 21
FieldRow, 3, 5, 7, 18-22
FieldType, 3-8, 15-17, 25, 27, 28
FileDialog, 23
Filename, 23
FileType, 23
FilterBy, 3, 5, 7
FilterCol, 20, 21
FilterRow, 20
Filters, 23
FiltRng, 3-8
Find, 12, 27, 30
FirstCol, 25-28
FirstDBCol, 20, 22
FldShp, 14
fmBackStyleTransparent, 28
Font, 28
Form_BrowseDocument, 23
Form_BrowsePic, 23
Form_ShowDoc, 21, 23
Form_ShowPic, 21, 23, 24
FormDoc, 23
FormName, 14
FormPic, 23
FormRow, 25, 26
FormSetup, 13, 25-27
FormSht, 25, 26
Formula, 16
Formula1, 16, 17, 30
FormWkSht, 20
FoundPos, 15

H
HeaderRow, 25-27
HeadRow, 20, 22, 25-28
Height, 18, 19, 23, 24, 27
Hide, 12, 13, 25
HorizontalAlignment, 16, 23, 24

I
Insert, 23, 24
InStr, 3, 5, 7, 14, 21, 25, 27, 28
InStrRev, 23
Interior, 14
Intersect, 3-8, 30
IsNumeric, 23, 24
Item_CheckForMove, 15, 18
Item_Select, 17
ItemNames, 23, 30
ItemNumb, 12

L
Label, 27
LabelCell, 15-17
LastCol, 25-28
LastDBCol, 20
LastDBRow, 20
LastFieldRow, 18, 20-22
LastResultRow, 20, 21, 25, 26
LastRow, 23, 25, 26, 30

LblField, 27, 28
Left, 3-8, 14, 15, 17-19, 24, 28, 30
LeftPos, 15, 18, 19, 27, 28
Len, 23
Link, 23
ListCol, 12, 23, 25, 26, 30
ListItems, 12, 30
ListName, 12, 23, 30
ListNm, 25
ListNumb, 12, 15, 23, 25, 30
ListRow, 12, 23, 30
LockAspectRatio, 23, 24

M
MovInc, 14
MSForms, 27
MsgBox, 12, 14-17, 20, 22, 25-27
msoControlButton, 11
msoCTrue, 3-8, 14, 15, 18, 19, 24, 30
msoFalse, 3, 5, 7, 14, 15, 18
msoFileDialogFilePicker, 23
msoShapeStylePreset74, 14
msoShapeStylePreset77, 14
MultiLine, 28

N
Name, 3, 5, 7, 14, 17, 18, 21, 23-27
Names, 14, 25, 26
NextCol, 26
NoDD, 26
NoDoc, 4, 6, 8, 23
NoField, 3-8
NoFilter, 4, 6, 8
NoItems, 30
NoPic, 3-8
NoSelection, 23
NotSaved, 20
NoVal, 30
NumberFormat, 17, 28

O
Offset, 3-8, 16-18, 24
OKBtn, 28
OKBtn_Click, 12, 13
OldLeftPos, 15
OldTopPos, 15
OLEObjects, 23
OnAction, 11

P
PasteSpecial, 16-18
PicName, 21
PicPath, 24
PicShape, 14, 20, 21
Pictures, 23, 24

R
Range, 3-8, 11, 12, 14-27, 30
Record_Delete, 20
Record_ListLoad, 3, 5, 7, 20, 22
Record_Load, 4, 6, 8, 21
Record_New, 20, 21
Record_SaveUpdate, 22
RecRng, 3-8
RefersTo, 25, 26
Remove, 27
RemoveField, 18
Replace, 3, 5, 7, 15, 23-25, 30
ResetFormShapes, 14-18, 26
ResultRng, 20

Right, 23
Row, 4, 6, 8, 16, 18, 20-22, 25, 26, 30
RowSource, 28

S

ScreenUpdating, 14, 15, 17, 18
SearchDirection, 27
SearchFld, 3, 5, 7
SearchOrder, 27
SelCell, 30
SelectedItems, 23
SelLeaveRow, 27
SelShape, 15-17
Setup_FormSheet, 13, 25
Sh, 11
Shape, 14, 15, 20
Shapes, 3-8, 14, 15, 17-21, 23, 24, 26, 30
ShapeStyle, 14
Sheets, 3, 5, 7, 12, 15, 20-22, 25, 30
Show, 23, 28, 30
Size, 28
SkipCheck, 15
SkipField, 18, 21
SkipFormField, 18, 19
SkipHide, 18
SkipSearch, 3, 5, 7
SpecialCells, 30
Split, 12

T

Target, 3-8, 11
Temporary, 11
Text, 3, 5, 7, 14, 17, 18, 26
TextBox, 27
TextFrame2, 3, 5, 7, 14, 17, 18, 26
TextRange, 3, 5, 7, 14, 17, 18, 26
ThemeColor, 14
ThisWorkbook, 14, 15, 25, 26
TintAndShade, 14
Title, 23
Top, 3-8, 15, 17-19, 24, 28, 30
TopLeftCell, 15-17
TopPos, 15, 18, 19, 27, 28
TxtField, 27, 28

U

UBound, 12
UCase, 26
Unique, 20, 26
UniqueIDCol, 20, 22, 25-27
UniqueIDNm, 25, 26
UniqueQty, 25
Unload, 12, 13

V

Validation, 16, 17, 30
Value, 3-8, 12, 14-18, 20-26, 28, 30
vbDirectory, 24
vbNo, 12, 14, 20, 26
vbYesNo, 12, 14, 20, 26
ViewCol, 20
Visible, 3-8, 14, 15, 18, 19, 24, 30

W

Width, 18, 19, 23, 24, 28
WordWrap, 28
Workbook_Deactivate, 11
Workbook_SheetBeforeRightClick, 11
Worksheet, 15, 20, 25
Worksheet_Change, 3, 5, 7

Worksheet_SelectionChange, 3, 5, 7
WorksheetFunction, 26, 27

X

xlByColumns, 27
xlCellTypeAllValidation, 30
xlCenter, 16
xlFilterCopy, 20, 26
xlPasteFormats, 16-18
xlPrevious, 27
xlRight, 23, 24
xlThemeColorAccent5, 14
xlToLeft, 20
xlUp, 18, 20-22, 25, 26, 30
xlValidAlertInformation, 17
xlValidAlertStop, 16
xlValidateList, 16, 17
xlValues, 12, 30
xlWhole, 12, 30
XPos, 27

Y

YPos, 27

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