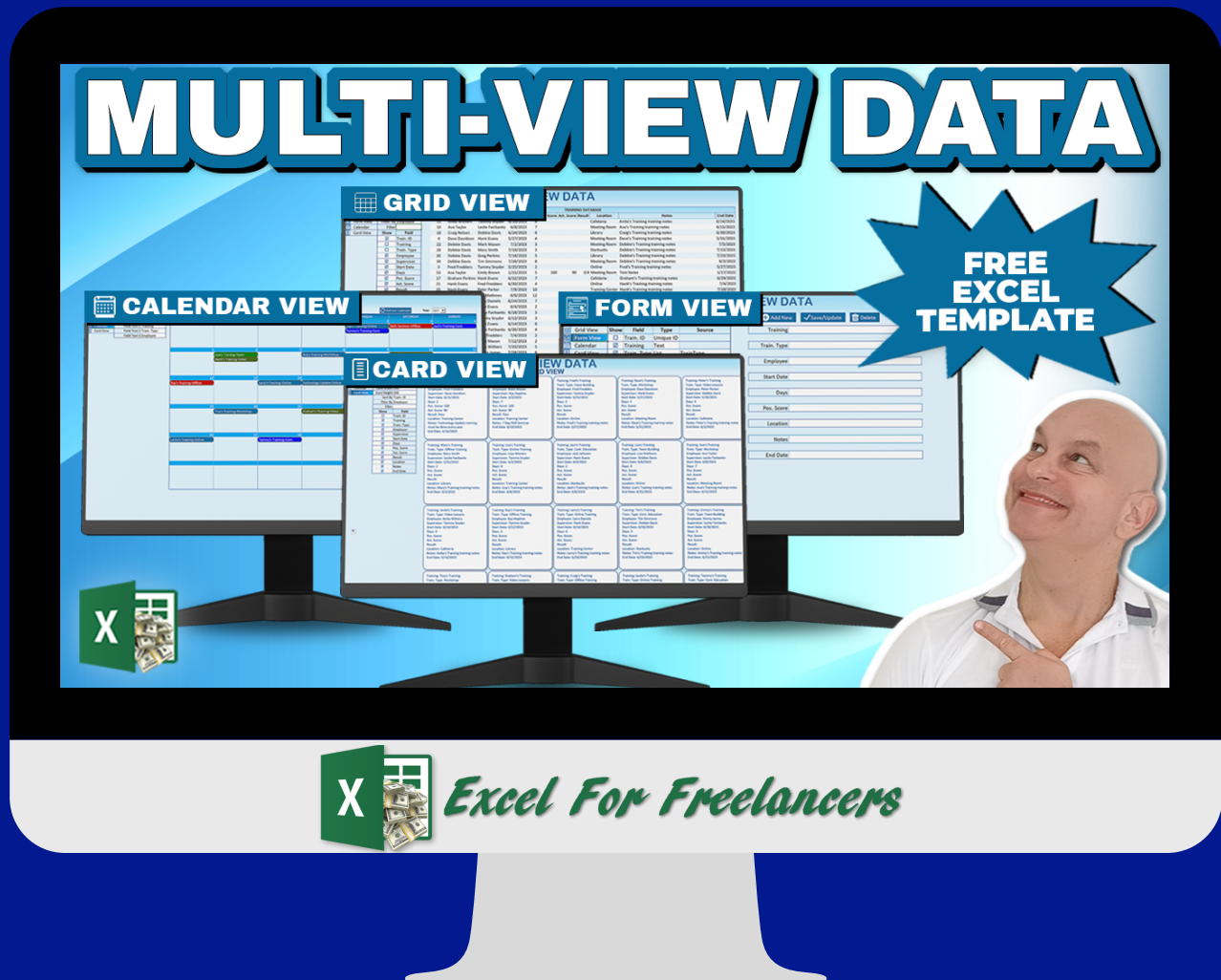


VBA SOURCE CODE BOOK



How To Transform Boring
Excel Tables Into Beautiful
Views Like The Pro's



[DOWNLOAD
APPLICATION](#)



[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.

With over 442,000 YouTube subscribers, 33,000,000 video views, 250+ comprehensive training videos, and a thriving 60,000 member Facebook community, Excel For Freelancers has positioned itself as the #1 Excel developers resource in the world.

Get free content, training, and downloads just by clicking any of the free resources below:



[WEBSITE](#)



[YOUTUBE](#)



[FACEBOOK](#)



[TWITTER](#)



[DISCORD](#)



[INSTAGRAM](#)



[TELEGRAM](#)



[RUMBLE](#)



Microsoft®
Most Valuable
Professional



OUR COURSES & PRODUCTS



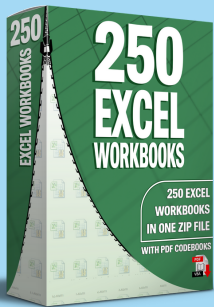
This comprehensive program will take you through a 12-phase process that will turn your enthusiasm for Excel into passive income.

[Click here to learn more](#)



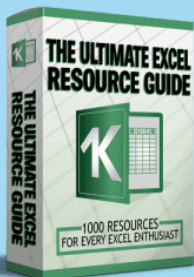
16 hour masterclass that will teach you the tips, tricks and techniques on how to create a dynamic single-click dashboard, and a ton more

[Click here to learn more](#)



Incredible Package of 250 of my BEST Applications now with PDF VBA Codebooks packed into a SINGLE ZIP File which also includes the "250 Workbook Library".

[Click here to learn more](#)



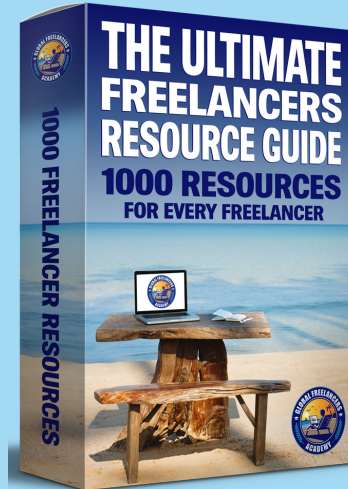
With 1000 live links, continuously updating content, sort-able and filterable items, you will always have exactly what you need, when you need it.

[Click here to learn more](#)



This incredible 13-hour freelancer masterclass will teach anyone how to be a successful freelancer with my proven 9-Phase 'Financial Freedom Roadmap' and includes 30+ downloads and exercises along with a ton of resources for anyone to reach their goals through freelancing.

[Click here to learn more](#)



I've put together all the Freelancing essentials, from freelance tools to freelance templates, in this Ultimate Freelancer's Resource Guide for freelancers at any stage in their career. With 1,000 Live Links, and a single click-to-update application, you will always have the most current and up-to-date information at your fingertips.

[Click here to learn more](#)

Projects.....	2
VBAProject.....	2
Documents.....	2
Admin.....	2
(Declarations).....	2
Worksheet_SelectionChange [Sub].....	2
Employees.....	3
(Declarations).....	3
MultiView.....	4
(Declarations).....	4
Worksheet_Change [Sub].....	4
Worksheet_SelectionChange [Sub].....	4
ThisWorkbook.....	5
(Declarations).....	5
TrainDB.....	6
(Declarations).....	6
Modules.....	7
Calendar_Macros.....	7
(Declarations).....	7
Calendar_NextMonth [Sub].....	7
Calendar_PrevMoth [Sub].....	7
Calendar_Refresh [Sub].....	7
Calendar_ThisMonth [Sub].....	9
Calendar_TrainingSelect [Sub].....	9
Card_Macros.....	10
(Declarations).....	10
Cards_Refresh [Sub].....	10
Cards_Select [Sub].....	11
Form_Macros.....	12
(Declarations).....	12
BuildForm [Sub].....	12
Record_AddNew [Sub].....	12
Record_Delete [Sub].....	12
Record_Load [Sub].....	13
Record_SaveUpdate [Sub].....	13
Grid_Macros.....	14
(Declarations).....	14
Grid_Refresh [Sub].....	14
Grid_ResortTable [Sub].....	14
Grid_ShowHideColumns [Sub].....	14
ViewMenu_Macros.....	15
(Declarations).....	15
Admin_SetTrainTypeColor [Sub].....	15
View_Change [Sub].....	15

```
1 Option Explicit
2
3 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
4     If Target.CountLarge > 1 Then Exit Sub
5     If Shapes("ColorPalette").Visible = True Then Shapes("ColorPalette").Visible =
        msoFalse
6     'Show color palette
7     If Not Intersect(Target, Range("H6:H16")) Is Nothing And Range("F" & Target.Row).
        Value <> Empty Then
8         With Shapes("ColorPalette")
9             .Left = Range("H" & Target.Row).Left
10            .Top = Range("H" & Target.Row + 1).Top
11            .Visible = msoCTrue
12        End With
13    End If
14 End Sub
15
```

1
2

Option Explicit

```
1 Option Explicit
2
3 Private Sub Worksheet_Change(ByVal Target As Range)
4     If Not Intersect(Target, Range("F4" )) Is Nothing Then Grid_ResortTable 'Resort on
5         Sort By Change
6     If Not Intersect(Target, Range("F5,F6" )) Is Nothing Then Grid_Refresh 'On Grid
7         Column Change
8     If Not Intersect(Target, Range("BB4:BB8" )) Is Nothing Then Calendar_Refresh
9         'Refresh Schedule on Calendar View Settings Change
10    If Not Intersect(Target, Range("CB4:CB10,CA12:CA24" )) Is Nothing Then Cards_Refresh
11        'On any cards detail change
12    End Sub
13
14 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
15     If Target.CountLarge > 1 Then Exit Sub
16     'On View Selection
17     If Not Intersect(Target, Range("D4:D7" )) Is Nothing Then
18         Range("B2" ).Value = Target.Row ' Select View Row
19         Range("B3" ).Value = Target.Value 'Select View Name
20         View_Change
21     End If
22
23     'On Grid View Column Selection
24     If Not Intersect(Target, Range("E8:E99" )) Is Nothing And Range("F" & Target.Row).
25         Value <> Empty Then
26         If Target.Value = Chr(111) Then Target.Value = Chr(254) Else Target.Value = Chr(
27             111)
28         Range("F6" ).Select 'Select Outside Cell
29         If Range("E" & Target.Row).Value = Chr(111) Then Cells(1, Target.Row).
30             EntireColumn.Hidden = True Else Cells(1, Target.Row).EntireColumn.Hidden = False
31         End If
32
33     'On Form View Field Selection
34     If Not Intersect(Target, Range("AA6:AA17" )) Is Nothing And Range("AC" & Target.Row
35         ).Value <> Empty Then
36         If Target.Value = Chr(111) Then Target.Value = Chr(254) Else Target.Value = Chr(
37             111)
38         Range("AC5" ).Select 'Select Outside Cell
39         BuildForm 'Run Macro to rebuild form
40     End If
41
42     'On Card View Field Selection
43     If Not Intersect(Target, Range("CA12:CA24" )) Is Nothing And Range("CB" & Target.
44         Row).Value <> Empty Then
45         If Target.Value = Chr(111) Then Target.Value = Chr(254) Else Target.Value = Chr(
46             111)
47         Range("CB7" ).Select 'Select Outside Cell
48         Cards_Refresh 'Run Macro to Refresh Cards
49     End If
50 End Sub
```


1 Option Explicit

2

1	Option Explicit
2	

```

1 Option Explicit
2 Dim CalShp As Shape
3 Dim LastRow As Long, ResultRow As Long, LastResultRow As Long, DateCol As Long
4 Dim CalRow As Long, CalCol As Long, DayCount As Long, TypeRow As Long, CalNumb As Long
5 Dim DateField As String, TrainType As String, TypeColor As String
6 Dim FieldCol1 As Long, FieldCol2 As Long, FieldCol3 As Long
7 Dim Field1 As String, Field2 As String, Field3 As String, TrainID As String
8 Dim ShpText1 As String, ShpText2 As String, ShpText3 As String
9 Dim CalendarDate As Date
10 Dim ShapeWidth As Double, ShapeLeft As Double
11
12 Sub Calendar_NextMonth()
13     With MultiView
14         If .Range("B13").Value = 12 Then 'Increase Year by 1, and set to January
15             If .Range("B10").Value = 7 Then
16                 MsgBox "You are on the last available year. Please update the years in the
17                     Admin screen"
18                 Exit Sub
19             End If
20             .Range("B10").Value = .Range("B10").Value + 1 'Increase year
21             .Range("B13").Value = 1 'Set to January
22         Else: 'Non December
23             .Range("B13").Value = .Range("B13").Value + 1 'Increase Month
24         End If
25     End With
26     Calendar_Refresh 'Refresh Calendar
27 End Sub
28
29 Sub Calendar_PrevMoth()
30     With MultiView
31         If .Range("B13").Value = 1 Then 'Reduce Year by 1, and set to December
32             If .Range("B10").Value = 1 Then
33                 MsgBox "You are on the first available year"
34                 Exit Sub
35             End If
36             .Range("B10").Value = .Range("B10").Value - 1 'Reduce year
37             .Range("B13").Value = 12 'Set to December
38         Else: 'Non -January
39             .Range("B13").Value = .Range("B13").Value - 1 'Reduce Month
40         End If
41     End With
42     Calendar_Refresh 'Refresh Calendar
43 End Sub
44
45 Sub Calendar_Refresh()
46     For Each CalShp In MultiView.Shapes
47         On Error Resume Next
48         If InStr(CalShp.Name, "CalendarItem") > 0 Then CalShp.Delete 'Delete Calendar
49         On Error GoTo 0
50     Next CalShp
51     Field1 = MultiView.Range("BB6").Value 'Field Text 1
52     Field2 = MultiView.Range("BB7").Value 'Field Text 2
53     Field3 = MultiView.Range("BB8").Value 'Field Text 3
54     With TrainDB
55         On Error Resume Next
56         FieldCol1 = .Range("A02:BA2").Find(Field1, , xlValues, xlWhole).Column 'Field
57         Column 1
58         FieldCol2 = .Range("A02:BA2").Find(Field2, , xlValues, xlWhole).Column 'Field
59         Column 2

```

```

1 2
58 FieldCol3 = .Range("A02:BA2" ).Find(Field3, , xlValues, xlWhole).Column 'Field
    Column 3
59 On Error GoTo 0
60
61 LastRow = .Range("A99999" ).End(xlUp).Row 'Last Row Calendar Plan
62 If LastRow < 4 Then Exit Sub
63 .Range("A03:BA99999" ).ClearContents 'Clear Previous Result
64 .Range("A3:M" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
    "AK2:AL3" ), CopyToRange:=.Range("A02:BA2" ), Unique:=True
65 LastResultRow = .Range("A099999" ).End(xlUp).Row
66 If LastResultRow < 3 Then Exit Sub
67 DateField = MultiView.Range("BB5" ).Value 'Set Date field
68 On Error Resume Next
69 DateCol = .Range("A02:BA2" ).Find(DateField, , xlValues, xlWhole).Column 'Get
    Date Column
70 On Error GoTo 0
71 If DateCol = 0 Then
72     MsgBox "Please select a correct Date Field from the drop down list"
73     MultiView.Range("BB5" ).Select
74     Exit Sub
75 End If
76 CalNumb = 1 'Set Initial Calendar Number
77 Application.ScreenUpdating = False
78 If LastResultRow < 4 Then GoTo NoSort
79 With .Sort 'Sort Based On Calendar Date
80     .SortFields.Clear
81     .SortFields.Add Key:=TrainDB.Cells(3, DateCol), SortOn:=xlSortOnValues, Order:
        =xlAscending, DataOption:=xlSortNormal 'Sort By Calendar Date
82     .SortFields.Add Key:=TrainDB.Range("A03" ), SortOn:=xlSortOnValues, Order:=
        xlAscending, DataOption:=xlSortNormal 'Sort By Training ID
83     .SetRange TrainDB.Range("A03:BA" & LastResultRow)
84     .Apply
85 End With
86 NoSort:
87
88 For ResultRow = 3 To LastResultRow
89     TrainID = .Range("A0" & ResultRow).Value 'Training ID
90     TrainType = .Range("AQ" & ResultRow).Value ' Training Type
91     On Error Resume Next
92     TypeRow = Admin.Range("TrainType" ).Find(TrainType, , xlValues, xlWhole).Row
93     On Error GoTo 0
94     If TypeRow <> 0 Then TypeColor = Admin.Range("H" & TypeRow).Interior.Color
        'Set Type Color
95     If FieldCol1 <> 0 Then ShpText1 = .Cells(ResultRow, FieldCol1).Value 'Value
        of Field 1
96     If FieldCol2 <> 0 Then ShpText2 = .Cells(ResultRow, FieldCol2).Value 'Value
        of Field 2
97     If FieldCol3 <> 0 Then ShpText3 = .Cells(ResultRow, FieldCol3).Value 'Value
        of Field 3
98     CalendarDate = .Cells(ResultRow, DateCol).Value 'Calendar Date
99     DayCount = Application.WorksheetFunction.CountIf(Range(.Cells(3, DateCol), .
        Cells(999, DateCol)), CalendarDate) 'Get # of trainings in a single day
100
101     If DayCount > 5 Then DayCount = 5 'Set Max Training to a single day
102
103     'Locate calendar row and column based on Date (Loop through rows & columns)
104     If CalNumb = 1 Then 'First Shape in a day
105         For CalRow = 5 To 35 Step 6
106             For CalCol = 57 To 63
107                 If MultiView.Cells(CalRow, CalCol).Value = CalendarDate Then
108                     CalRow = CalRow 'Set Row For Calendar

```

```

1 2 3 4 5 6 7
109     CalCol = CalCol 'Set Col For MultiView.
110     GoTo CreateShape
111     End If
112     Next CalCol
113     Next CalRow
114     End If
115     CreateShape:
116     If CalRow = 0 Or CalCol = 0 Then GoTo NextTraining
117     MultiView.Shapes("SampleCalShp" ).Duplicate.Name = "CalendarItem" & TrainID
118     'Unique name
119     ShapeWidth = MultiView.Cells(CalRow, CalCol).Width 'Set Calendar Shape Width
120     based on column width
121     ShapeLeft = MultiView.Cells(CalRow, CalCol).Left 'Set Left Position
122     With MultiView.Shapes("CalendarItem" & TrainID)
123     .Left = ShapeLeft 'Set Left Calendarion
124     .Top = MultiView.Cells(CalRow + CalNumb, CalCol).Top + 1
125     .Width = ShapeWidth 'Set Shape Width
126     .Height = MultiView.Cells(CalRow + CalNumb, CalCol).Height
127     .TextFrame2.TextRange.Text = ShpText1 & "-" & ShpText2 & "-" & ShpText3
128     'Add Shape text
129     If TypeColor <> "" Then .Fill.ForeColor.RGB = TypeColor
130     .OnAction = "Calendar_TrainingSelect" 'Assign macro to shape
131     End With
132     If CalNumb >= DayCount Then 'Reset Calendar # on Last Calendar of the day
133     CalNumb = 1 'Reset Calendar Count
134     CalendarDate = 0
135     Else
136     CalNumb = CalNumb + 1
137     End If
138     NextTraining:
139     Next ResultRow
140     End With
141     Application.ScreenUpdating = True
142     End Sub
143     Sub Calendar_ThisMonth()
144     With MultiView
145     .Range("B13" ).Value = Month(Date) 'Set Current Month
146     On Error Resume Next
147     .Range("B10" ).Value = Admin.Range("Years" ).Find(Year(Date), , xlValues, xlWhole
148     ).Row - 4
149     On Error GoTo 0
150     End With
151     Calendar_Refresh 'Refresh Calendar
152     End Sub
153     Sub Calendar_TrainingSelect()
154     With MultiView
155     TrainID = Replace(Application.Caller, "CalendarItem" , "" )
156     .Range("B4" ).Value = TrainID
157     .Range("D5" ).Select
158     Record_Load
159     End With
160     End Sub

```

```

1 Option Explicit
2 Dim TrainID As String
3 Sub Cards_Refresh()
4     Dim TopPos As Double, LeftPos As Double
5     Dim CardWidth As Long, CardHeight As Long, HeadRow As Long, SortCol As Long
6     Dim ColCount As Long, RowCount As Long, CardCol As Long, CardRow As Long
7     Dim LastRow As Long, LastResultRow As Long, ResultRow As Long
8     Dim CardText As String
9     Dim CardShp As Shape
10    With MultiView
11        For Each CardShp In MultiView.Shapes
12            If InStr(CardShp.Name, "TrainCard" ) > 0 Then CardShp.Delete 'Delete Previous
13                Card Shapes
14            Next CardShp
15            'Set Intial variables
16            SortCol = .Range("B8" ).Value + 59 'Cards Sort By Column
17            ColCount = .Range("CB4" ).Value 'Number of columns
18            RowCount = .Range("CB5" ).Value 'Number of Rows
19            CardWidth = .Range("CB6" ).Value 'Card Width
20            CardHeight = .Range("CB7" ).Value 'Card Height
21            TopPos = .Range("CD4" ).Top 'Initial Top Position
22            LeftPos = .Range("CD4" ).Left 'Initial Left Postion
23            CardCol = 1 'Set Initial Card Column
24            CardRow = 1 'Set Intial card Row
25        End With
26
27    With TrainDB
28        LastRow = .Range("A99999" ).End(xlUp).Row
29        If LastRow < 4 Then Exit Sub
30        .Range("A3:M" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
31            "BE2:BE3" ), CopyToRange:=.Range("BH2:BT2" ), Unique:=True
32        LastResultRow = .Range("BH99999" ).End(xlUp).Row
33        If LastResultRow < 3 Then Exit Sub
34        'Sort Data
35        With .Sort
36            .SortFields.Clear
37            .SortFields.Add Key:=TrainDB.Cells(3, SortCol), SortOn:=xlSortOnValues, Order:
38                =xlAscending, DataOption:=xlSortNormal 'Sort
39            .SetRange TrainDB.Range("BH3:BT" & LastResultRow) 'Set Range
40            .Apply 'Apply Sort
41        End With
42
43    For ResultRow = 3 To LastResultRow
44        TrainID = .Range("BH" & ResultRow).Value 'Training ID
45        CardText = "" 'Clear Out Text
46        'Build Text String
47        For HeadRow = 12 To 24
48            If MultiView.Range("CA" & HeadRow).Value = Chr(254) Then 'Selected Show
49                CardText = CardText & MultiView.Range("CB" & HeadRow).Value & ": " & .
50                    Cells(ResultRow, HeadRow + 48).Value & vbCrLf 'Record Value
51            End If
52        Next HeadRow
53        MultiView.Shapes("CardSampleShp" ).Duplicate.Name = "TrainCard" & TrainID
54        With MultiView.Shapes("TrainCard" & TrainID)
55            .Left = LeftPos
56            .Top = TopPos
57            .Width = CardWidth
58            .Height = CardHeight
59            .TextFrame2.TextRange.Text = CardText
60            .OnAction = "Cards_Select"
61        End With
62        If CardCol = ColCount Then

```

1 2 3 4 5

```
58 | 1 2 3 4 5 CardCol = 1
59 | CardRow = CardRow + 1
60 | If CardRow > RowCount Then Exit For
61 | LeftPos = MultiView.Range("CD4" ).Left 'Reset Left Postion
62 | TopPos = TopPos + CardHeight + 5 'Increment Card Height
63 | Else
64 | CardCol = CardCol + 1
65 | LeftPos = LeftPos + CardWidth + 5 'Increment Card Width
66 | End If
67 | End With
68 | Next ResultRow
69 | End With
70 | End Sub
```

```
71 |
72 |
73 | Sub Cards_Select()
74 | With MultiView
75 | TrainID = Replace(Application.Caller, "TrainCard" , "" )
76 | .Range("B4" ).Value = TrainID
77 | .Range("D5" ).Select
78 | Record_Load
79 | End With
80 | End Sub
```

```

1 Option Explicit
2 Dim WkBkNames As Name
3 Dim NameRow As Long, FormRow As Long, HeadRow As Long, RecRow As Long, RecCol As Long,
  LastRow As Long
4 Dim Format As String, FieldType As String, HeadName As String
5 Sub BuildForm()
6     With MultiView
7         'Clear Existing Form
8         .Range("AF4:AG99").ClearContents
9         .Range("AG4:AG99").Validation.Delete 'Delete any/all validations
10        'Get All Named Ranged In Workbook
11        .Range("A23:A99").ClearContents
12        NameRow = 23 'Set Initial Row
13        For Each WkBkNames In ThisWorkbook.Names
14            .Range("A" & NameRow).Value = WkBkNames.Name
15            NameRow = NameRow + 1
16        Next WkBkNames
17        FormRow = 4 'Set Intial Form Row
18        For HeadRow = 5 To 17
19            If .Range("AA" & HeadRow).Value = Chr(254) Then 'Selected To Display
20                .Range("AF" & FormRow).Value = .Range("AB" & HeadRow).Value 'Set Label
21                FieldType = .Range("AC" & HeadRow).Value 'FieldType
22                Select Case FieldType
23                    Case Is = "Text"
24                        .Range("AG" & FormRow).NumberFormat = "General"
25                    Case Is = "Number"
26                        .Range("AG" & FormRow).NumberFormat = "0.00"
27                    Case Is = "Amount"
28                        .Range("AG" & FormRow).NumberFormat = "$#,##0.00"
29                    Case Is = "Date"
30                        .Range("AG" & FormRow).NumberFormat = "mm/dd/yyyy"
31                    Case Is = "List"
32                        .Range("AG" & FormRow).Validation.Add xlValidateList, , , "=" & .Range
33                            ("AD" & HeadRow).Value 'Set Validation
34                    Case Is = "Percent"
35                        .Range("AG" & FormRow).NumberFormat = "0.00%"
36                End Select
37                FormRow = FormRow + 2
38            End If
39        Next HeadRow
40    End With
41 End Sub
42
43 Sub Record_AddNew()
44     MultiView.Range("B4,AG4:AG99").ClearContents
45     MultiView.Range("AG4").Select
46 End Sub
47 Sub Record_Delete()
48     With MultiView
49         If MsgBox("Are you sure you want to delete this record?", vbYesNo, "Delete
50             Record") = vbNo Then Exit Sub
51         If .Range("B5").Value = "" Then GoTo NotSaved
52         RecRow = .Range("B5").Value 'Record Row
53         TrainDB.Range("A" & RecRow & ":M" & RecRow).ClearContents
54         LastRow = TrainDB.Range("A99999").End(xlUp).Row
55         If LastRow < 5 Then GoTo SkipSort
56         With TrainDB.Sort
57             .SortFields.Clear
58             .SortFields.Add Key:=TrainDB.Range("A4"), SortOn:=xlSortOnValues, Order:=
59                 xlAscending, DataOption:=xlSortNormal 'Sort

```

1 2 3


```

1 2 3
58     .SetRange TrainDB.Range("A4:M" & LastRow) 'Set Range
59     .Apply 'Apply Sort
60     End With
61     NotSaved:
62     SkipSort:
63     Record_AddNew
64     End With
65 End Sub
66
67
68 Sub Record_Load()
69     With MultiView
70         If .Range("B5" ).Value = Empty Then 'Record Row
71             MsgBox "Please make sure to select a correct record to load"
72             Exit Sub
73         End If
74         RecRow = .Range("B5" ).Value 'Record Row
75         For HeadRow = 5 To 17
76             If .Range("AA" & HeadRow).Value = Chr(254) Then 'Selected To Display
77                 RecCol = HeadRow - 4 'Set Record Column
78                 HeadName = .Range("AB" & HeadRow).Value
79                 On Error Resume Next
80                 FormRow = .Range("AF4:AF99" ).Find(HeadName, , xlValues, xlWhole).Row 'Get
                        Form Row
81                 On Error GoTo 0
82                 If FormRow = 0 Then GoTo NextField
83                 .Range("AG" & FormRow).Value = TrainDB.Cells(RecRow, RecCol).Value 'Load
                        Record Data
84                 NextField:
85             End If
86         Next HeadRow
87     End With
88 End Sub
89
90
91 Sub Record_SaveUpdate()
92     With MultiView
93         If .Range("B5" ).Value = Empty Then 'New record
94             RecRow = TrainDB.Range("A9999" ).End(xlUp).Row + 1 'First Avail Row
95             .Range("B4" ).Value = .Range("B6" ).Value 'Set Record ID
96             TrainDB.Range("A" & RecRow).Value = .Range("B4" ).Value 'Set Record ID
97         Else
98             RecRow = .Range("B5" ).Value
99         End If
100        For HeadRow = 5 To 17
101            If .Range("AA" & HeadRow).Value = Chr(254) Then 'Selected To Display
102                RecCol = HeadRow - 4 'Set Record Column
103                HeadName = .Range("AB" & HeadRow).Value
104                On Error Resume Next
105                FormRow = .Range("AF4:AF99" ).Find(HeadName, , xlValues, xlWhole).Row 'Get
                        Form Row
106                On Error GoTo 0
107                If FormRow = 0 Then GoTo NextField
108                TrainDB.Cells(RecRow, RecCol).Value = .Range("AG" & FormRow).Value 'Save
                        Field Data
109                NextField:
110            End If
111        Next HeadRow
112        MsgBox "Record Saved"
113    End With
114 End Sub

```

```

1 Option Explicit
2 Dim LastRow As Long, LastResultRow As Long, ResultRow As Long, SortCol As Long
3 Sub Grid_Refresh()
4     MultiView.Range("H5:T999").ClearContents
5     With TrainDB
6         LastRow = .Range("A99999").End(xlUp).Row
7         If LastRow < 4 Then Exit Sub
8         .Range("A3:M" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
9             "Q2:Q3"), CopyToRange:=.Range("T2:AF2"), Unique:=True
10        LastResultRow = .Range("T99999").End(xlUp).Row
11        If LastResultRow < 3 Then Exit Sub
12        MultiView.Range("H5:T" & LastResultRow + 2).Value = .Range("T3:AF" &
13            LastResultRow).Value 'Bring over data
14    End With
15    Grid_ResortTable 'Run Macro To Sort Grid
16    Grid_ShowHideColumns 'Hide Necessary columns
17 End Sub
18
19 Sub Grid_ResortTable()
20     With MultiView
21         LastRow = .Range("H99999").End(xlUp).Row
22         If LastRow < 6 Then Exit Sub
23         SortCol = .Range("B7").Value 'Set Sort Column
24         With .Sort
25             .SortFields.Clear
26             .SortFields.Add Key:=MultiView.Cells(5, SortCol), SortOn:=xlSortOnValues,
27                 Order:=xlAscending, DataOption:=xlSortNormal 'Sort
28             .SetRange MultiView.Range("H5:T" & LastRow) 'Set Range
29             .Apply 'Apply Sort
30         End With
31     End With
32 End Sub
33
34 Sub Grid_ShowHideColumns()
35     Dim GridCol As Long
36     With MultiView
37         For GridCol = 8 To 20
38             If .Range("E" & GridCol).Value = Chr(111) Then .Cells(1, GridCol).
39                 EntireColumn.Hidden = True Else .Cells(1, GridCol).EntireColumn.Hidden = False
40         Next GridCol
41     End With
42 End Sub

```

```
1 Option Explicit
2
3
4 Sub Admin_SetTrainTypeColor()
5     ActiveCell.Interior.Color = Admin.Shapes(Application.Caller).Fill.ForeColor.RGB
6     Admin.Shapes("ColorPalette").Visible = msoFalse
7 End Sub
8
9 Sub View_Change()
10    Dim ViewType As String
11    Dim IconShp As Shape
12    With MultiView
13        Application.ScreenUpdating = False
14        ViewType = .Range("B3").Value 'Set View Type
15        For Each IconShp In .Shapes
16            If InStr(IconShp.Name, "_Blue") > 0 Then IconShp.Visible = msoCTrue
17            If InStr(IconShp.Name, "_White") > 0 Then IconShp.Visible = msoFalse
18        Next IconShp
19        'Hide all groups, shapes & Columns
20        .Shapes("CalendarGrp").Visible = msoFalse
21        .Shapes("Form ViewGrp").Visible = msoFalse
22        .Shapes("Card ViewGrp").Visible = msoFalse
23        .Range("E:CZ").EntireColumn.Hidden = True
24        Select Case ViewType
25            Case Is = "Grid View"
26                .Range("E:Z").EntireColumn.Hidden = False
27                Grid_Refresh 'Run Macro to Refresh grid view
28            Case Is = "Form View"
29                .Range("AA:AZ").EntireColumn.Hidden = False
30                .Shapes("Form ViewGrp").Visible = msoCTrue
31                BuildForm
32            Case Is = "Calendar"
33                .Range("BA:BZ").EntireColumn.Hidden = False
34                .Shapes("CalendarGrp").Visible = msoCTrue
35                Calendar_Refresh 'Refresh Calendar view
36            Case Is = "Card View"
37                .Range("CA:CZ").EntireColumn.Hidden = False
38                .Shapes("Card ViewGrp").Visible = msoCTrue
39                Cards_Refresh 'Run Macro To refresh Cards
40        End Select
41        .Shapes(ViewType & "_Blue").Visible = msoFalse
42        .Shapes(ViewType & "_White").Visible = msoCTrue
43    End With
44    Application.ScreenUpdating = True
45 End Sub
```

A

ActiveCell, 15
 Add, 8, 10, 12, 14
 Admin, 8, 9, 15
 Admin_SetTrainTypeColor, 15
 AdvancedFilter, 8, 10, 14
 Application, 8, 9, 11, 15
 Apply, 8, 10, 13, 14

B

BuildForm, 4, 12, 15

C

CalCol, 7-9
 Calendar_NextMonth, 7
 Calendar_PrevMoth, 7
 Calendar_Refresh, 4, 7, 9, 15
 Calendar_ThisMonth, 9
 Calendar_TrainingSelect, 9
 CalendarDate, 7-9
 Caller, 9, 11, 15
 CalNumb, 7-9
 CalRow, 7-9
 CalShp, 7
 CardCol, 10, 11
 CardHeight, 10, 11
 CardRow, 10, 11
 Cards_Refresh, 4, 10, 15
 Cards_Select, 11
 CardShp, 10
 CardText, 10
 CardWidth, 10, 11
 Cells, 4, 8-10, 13, 14
 Chr, 4, 10, 12-14
 Clear, 8, 10, 12, 14
 ClearContents, 8, 12, 14
 ColCount, 10
 Color, 8, 15
 Column, 7, 8
 CopyToRange, 8, 10, 14
 CountIf, 8
 CountLarge, 2, 4
 CreateShape, 9
 CriteriaRange, 8, 10, 14

D

DataOption, 8, 10, 12, 14
 DateCol, 7, 8
 DateField, 7, 8
 DayCount, 7-9
 Delete, 7, 10, 12
 Duplicate, 9, 10

E

Empty, 2, 4, 13
 EntireColumn, 4, 14, 15
 Explicit, 2-7, 10, 12, 14, 15

F

Field1, 7
 Field2, 7
 Field3, 7, 8
 FieldCol1, 7, 8
 FieldCol2, 7, 8
 FieldCol3, 7, 8
 FieldType, 12
 Fill, 9, 15
 Find, 7-9, 13
 ForeColor, 9, 15

Format, 12
 FormRow, 12, 13

G

Grid_Refresh, 4, 14, 15
 Grid_ResortTable, 4, 14
 Grid_ShowHideColumns, 14
 GridCol, 14

H

HeadName, 12, 13
 HeadRow, 10, 12, 13
 Height, 9, 10
 Hidden, 4, 14, 15

I

IconShp, 15
 InStr, 7, 10, 15
 Interior, 8, 15
 Intersect, 2, 4

K

Key, 8, 10, 12, 14

L

LastResultRow, 7, 8, 10, 14
 LastRow, 7, 8, 10, 12-14
 Left, 2, 9-11
 LeftPos, 10, 11

M

Month, 9
 MsgBox, 7, 8, 12, 13
 msoCTrue, 2, 15
 msoFalse, 2, 15
 MultiView, 7-15

N

Name, 7, 9, 10, 12, 15
 NameRow, 12
 Names, 12
 NextField, 13
 NextTraining, 9
 NoSort, 8
 NotSaved, 12, 13
 NumberFormat, 12

O

OnAction, 9, 10
 Order, 8, 10, 12, 14

R

Range, 2, 4, 7-15
 RecCol, 12, 13
 Record_AddNew, 12, 13
 Record_Delete, 12
 Record_Load, 9, 11, 13
 Record_SaveUpdate, 13
 RecRow, 12, 13
 Replace, 9, 11
 ResultRow, 7-11, 14
 RGB, 9, 15
 Row, 2, 4, 8-10, 12-14
 RowCount, 10, 11

S

ScreenUpdating, 8, 9, 15
 SetRange, 8, 10, 13, 14
 Shape, 7, 10, 15
 ShapeLeft, 9, 9

Shapes, 2, 7, 9, 10, 15
 ShapeWidth, 7, 9
 ShpText1, 7-9
 ShpText2, 7-9
 ShpText3, 7-9
 SkipSort, 12, 13
 Sort, 8, 10, 12, 14
 SortCol, 10, 14
 SortFields, 8, 10, 12, 14
 SortOn, 8, 10, 12, 14

T

Target, 2, 4
 Text, 9, 10
 TextFrame2, 9, 10
 TextRange, 9, 10
 ThisWorkbook, 12
 Top, 2, 9, 10
 TopPos, 10, 11
 TrainDB, 7, 8, 10, 12-14
 TrainID, 7-11
 TrainType, 7, 8
 TypeColor, 7-9
 TypeRow, 7, 8

U

Unique, 8, 10, 14

V

Validation, 12
 Value, 2, 4, 7-15
 vbCrLf, 10
 vbNo, 12
 vbYesNo, 12
 View_Change, 4, 15
 ViewType, 15
 Visible, 2, 15

W

Width, 9, 10
 WkbkNames, 12
 Worksheet_Change, 4
 Worksheet_SelectionChange, 2, 4
 WorksheetFunction, 8

X

xlAscending, 8, 10, 12, 14
 xlFilterCopy, 8, 10, 14
 xlSortNormal, 8, 10, 12, 14
 xlSortOnValues, 8, 10, 12, 14
 xlUp, 8, 10, 12-14
 xlValidateList, 12
 xlValues, 7-9, 13
 xlWhole, 7-9, 13

Y

Year, 9

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.



Excel For Freelancers