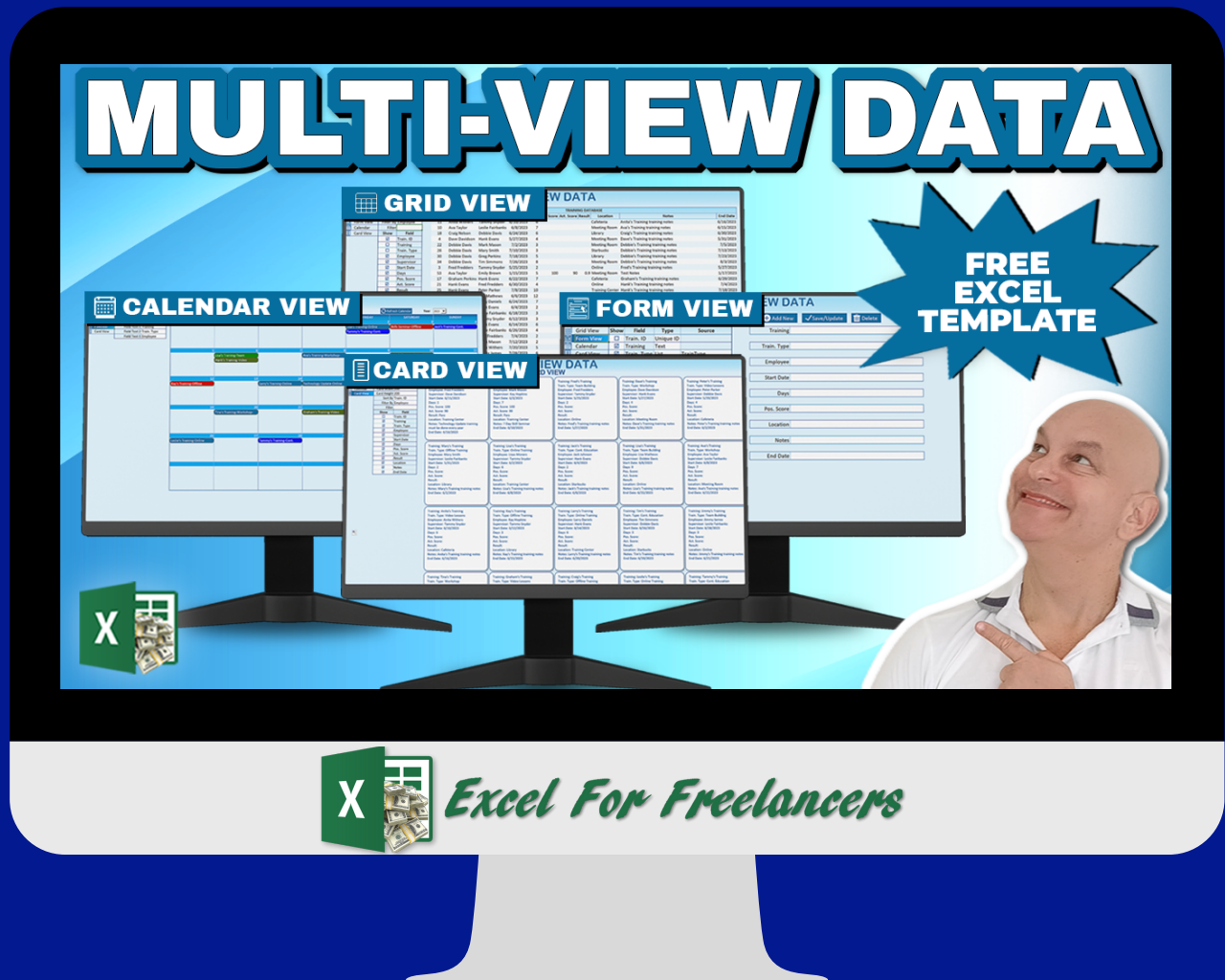


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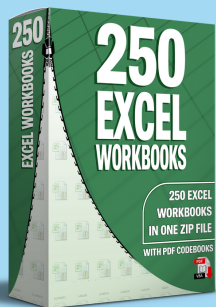
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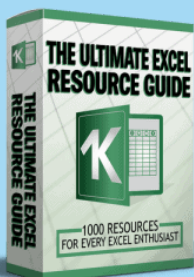
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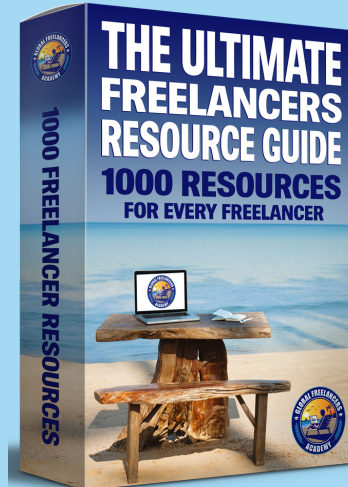
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```
1 Option Explicit
2
3 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
4     If Target.CountLarge > 1 Then Exit Sub
5     If Shapes("ColorPalette").Visible = True Then Shapes("ColorPalette").Visible =
        msoFalse
6     'Show color 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     ShapeWidth = MultiView.Cells(CalRow, CalCol).Width 'Set Calendar Shape Width
119     ShapeLeft = MultiView.Cells(CalRow, CalCol).Left 'Set Left Position
120
121     With MultiView.Shapes("CalendarItem" & TrainID)
122     .Left = ShapeLeft 'Set Left Calendarion
123     .Top = MultiView.Cells(CalRow + CalNumb, CalCol).Top + 1
124     .Width = ShapeWidth 'Set Shape Width
125     .Height = MultiView.Cells(CalRow + CalNumb, CalCol).Height
126     .TextFrame2.TextRange.Text = ShpText1 & "-" & ShpText2 & "-" & ShpText3
127     If TypeColor <> "" Then .Fill.ForeColor.RGB = TypeColor
128     .OnAction = "Calendar_TrainingSelect" 'Assign macro to shape
129     End With
130
131     If CalNumb >= DayCount Then 'Reset Calendar # on Last Calendar of the day
132     CalNumb = 1 'Reset Calendar Count
133     CalendarDate = 0
134     Else
135     CalNumb = CalNumb + 1
136     End If
137     NextTraining:
138     Next ResultRow
139     End With
140     Application.ScreenUpdating = True
141     End Sub
142     Sub Calendar_ThisMonth()
143     With MultiView
144     .Range("B13" ).Value = Month(Date) 'Set Current Month
145     On Error Resume Next
146     .Range("B10" ).Value = Admin.Range("Years" ).Find(Year(Date), , xlValues, xlWhole
147     ).Row - 4
148     On Error GoTo 0
149     End With
150     Calendar_Refresh 'Refresh Calendar
151     End Sub
152     Sub Calendar_TrainingSelect()
153     With MultiView
154     TrainID = Replace(Application.Caller, "CalendarItem" , "" )
155     .Range("B4" ).Value = TrainID
156     .Range("D5" ).Select
157     Record_Load
158     End With
159     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, HeadCol
6     As Long
7     Dim ColCount As Long, RowCount As Long, CardCol As Long, CardRow As Long, StartRow
8     As Long, SelPage As Long
9     Dim LastRow As Long, LastResultRow As Long, ResultRow As Long, TotalPageCards As
10    Long, TotalPages As Long
11    Dim CardText As String, HeadName As String, PicFolder As String, PicName As String,
12    PicPath As String
13    Dim SortOrder As XlSortOrder
14    Dim CardShp As Shape
15    With MultiView
16        For Each CardShp In MultiView.Shapes
17            If InStr(CardShp.Name, "TrainCard" ) > 0 Then CardShp.Delete 'Delete Previous
18            Card Shapes
19        Next CardShp
20        'Set Intial variables
21        SortCol = .Range("B8" ).Value + 59 'Cards Sort By Column
22        ColCount = .Range("CB4" ).Value 'Number of columns
23        RowCount = .Range("CB5" ).Value 'Number of Rows
24        CardWidth = .Range("CB6" ).Value 'Card Width
25        CardHeight = .Range("CB7" ).Value 'Card Height
26        TopPos = .Range("CC4" ).Top 'Initial Top Position
27        LeftPos = .Range("CD4" ).Left 'Initial Left Postion
28        CardCol = 1 'Set Initial Card Column
29        CardRow = 1 'Set Intial card Row
30        'Update Total Pages
31        TotalPageCards = ColCount * RowCount 'Total cards
32        SelPage = .Range("B18" ).Value
33        StartRow = (SelPage - 1) * TotalPageCards + 3
34        If .Range("B9" ).Value = "Ascending" Then SortOrder = xlAscending Else SortOrder
35        = xlDescending
36        PicFolder = [PictureFolder] 'Picture folder path
37    End With
38
39    With TrainDB
40        LastRow = .Range("A99999" ).End(xlUp).Row
41        .Range("BH3:BU999" ).ClearContents
42        If LastRow < 4 Then Exit Sub
43        .Range("A3:M" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
44        "BE2:BE3" ), CopyToRange:=.Range("BH2:BT2" ), Unique:=True
45        LastResultRow = .Range("BH99999" ).End(xlUp).Row
46        If LastResultRow < 3 Then Exit Sub
47        Application.ScreenUpdating = False
48        .Range("BU3:BU" & LastResultRow).Formula = .Range("BU1" ).Formula 'Set Employee
49        Picture Formula
50        MultiView.Range("B19" ).Value = WorksheetFunction.RoundUp(LastResultRow /
51        TotalPageCards, 0) 'Set Total Page cards
52        'Sort Data
53        With .Sort
54            .SortFields.Clear
55            .SortFields.Add Key:=TrainDB.Cells(3, SortCol), SortOn:=xlSortOnValues, Order:
56            =SortOrder, DataOption:=xlSortNormal 'Sort
57            .SetRange TrainDB.Range("BH3:BU" & LastResultRow) 'Set Range
58            .Apply 'Apply Sort
59        End With
60
61        For ResultRow = StartRow To LastResultRow

```

1 2 3

```

1 2 3
52 TrainID = .Range("BH" & ResultRow).Value 'Training ID
53 CardText = "" 'Clear Out Text
54 HeadCol = 0 'reset Header Column
55
56 'Build Text String
57 For HeadRow = 12 To 24
58     If MultiView.Range("CA" & HeadRow).Value = Chr(254) And MultiView.Range(
59         "CB" & HeadRow).Value <> "" Then 'Selected Show
60         HeadName = MultiView.Range("CB" & HeadRow).Value
61         On Error Resume Next
62         HeadCol = TrainDB.Range("DataHeaders").Find(HeadName, , xlValues,
63             xlWhole).Column + 59 'Header Column Results
64         On Error GoTo 0
65         If HeadName = "Picture" Then 'Insert Picture
66             PicName = .Range("BU" & ResultRow).Value 'Picture Name
67             PicPath = PicFolder & "\" & PicName
68             If Dir(PicPath, vbDirectory) = "" Or PicName = "" Then GoTo SkipPic
69
70             MultiView.Pictures.Insert(PicPath).Name = "TrainCardPic" & TrainID
71             'Insert Pictures
72             With MultiView.Shapes("TrainCardPic" & TrainID)
73                 .LockAspectRatio = msoCTrue
74                 If .Width > .Height Then .Width = 50 Else .Height = 50
75                 .Left = LeftPos + CardWidth - .Width - 5 'Set Left Position
76                 .Top = TopPos + 3 'Set Top Position
77             End With
78         Else:
79             If HeadCol = 0 Then GoTo NextRow
80             CardText = CardText & MultiView.Range("CB" & HeadRow).Value & ": "
81             & .Cells(ResultRow, HeadCol).Value & vbCrLf 'Record Value
82         End If
83     SkipPic:
84     End If
85     NextRow:
86     Next HeadRow
87     MultiView.Shapes("CardSampleShp").Duplicate.Name = "TrainCard" & TrainID
88     With MultiView.Shapes("TrainCard" & TrainID)
89         .Left = LeftPos
90         .Top = TopPos
91         .Width = CardWidth
92         .Height = CardHeight
93         .TextFrame2.TextRange.Text = CardText
94         .OnAction = "Cards_Select"
95         .ZOrder msoSendToBack
96     End With
97     If CardCol = ColCount Then
98         CardCol = 1
99         CardRow = CardRow + 1
100        If CardRow > RowCount Then Exit For
101        LeftPos = MultiView.Range("CD4").Left 'Reset Left Postion
102        TopPos = TopPos + CardHeight + 5 'Increment Card Height
103    Else
104        CardCol = CardCol + 1
105        LeftPos = LeftPos + CardWidth + 5 'Increment Card Width
106    End If
107    End With
108 Next ResultRow
109 Application.ScreenUpdating = True
110 End With
111 End Sub

```

```
108
109 Sub Cards_Select()
110     With MultiView
111         TrainID = Replace(Application.Caller, "TrainCard" , "" )
112         .Range("B4" ).Value = TrainID
113         .Range("D5" ).Select
114         Record_Load
115     End With
116 End Sub
117
118 Sub NextPage()
119     With MultiView
120         If .Range("B18" ).Value = .Range("B19" ).Value Then
121             MsgBox "You are on the last page"
122             Exit Sub
123         End If
124         .Range("B18" ).Value = .Range("B18" ).Value + 1
125         Cards_Refresh 'Run Macro to Refresh cards
126     End With
127 End Sub
128
129 Sub PrevPage()
130     With MultiView
131         If .Range("B18" ).Value = 1 Then
132             MsgBox "You are on the first page"
133             Exit Sub
134         End If
135         .Range("B18" ).Value = .Range("B18" ).Value - 1
136         Cards_Refresh 'Run Macro to Refresh cards
137     End With
138 End Sub
139
140 Sub SetSortAscending()
141     MultiView.Range("B9" ).Value = "Ascending"
142     Cards_Refresh
143 End Sub
144
145 Sub SetSortDescending()
146     MultiView.Range("B9" ).Value = "Descending"
147     Cards_Refresh
148 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
  ("AD" & HeadRow).Value 'Set Validation
33                    Case Is = "Percent"
34                        .Range("AG" & FormRow).NumberFormat = "0.00%"
35                    End Select
36                FormRow = FormRow + 2
37            End If
38        Next HeadRow
39    End With
40 End Sub
41
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
  Record") = vbNo Then Exit Sub
50         If .Range("B5").Value = "" Then GoTo NotSaved
51         RecRow = .Range("B5").Value 'Record Row
52         TrainDB.Range("A" & RecRow & ":M" & RecRow).ClearContents
53         LastRow = TrainDB.Range("A99999").End(xlUp).Row
54         If LastRow < 5 Then GoTo SkipSort
55         With TrainDB.Sort
56             .SortFields.Clear
57             .SortFields.Add Key:=TrainDB.Range("A4"), SortOn:=xlSortOnValues, Order:=
  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            .Range("B18").Value = 1 'Reset Pagination
40            Cards_Refresh 'Run Macro To refresh Cards
41        End Select
42        .Shapes(ViewType & "_Blue").Visible = msoFalse
43        .Shapes(ViewType & "_White").Visible = msoCTrue
44    End With
45    Application.ScreenUpdating = True
46 End Sub
```

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# Thank You!

This source code was created and made available to help you gain a better understanding of how VBA is used to create amazing Excel-based applications.

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