

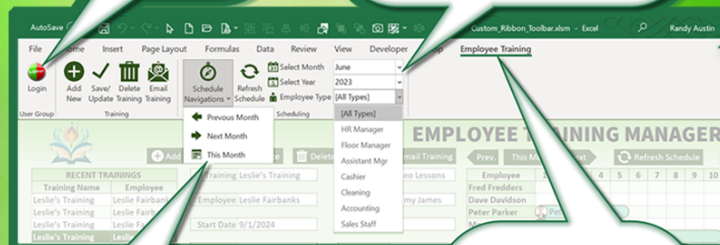
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TOGGLE
BUTTONS

DYNAMIC DROP
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FREE
TOOLBAR
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WORKBOOK!



SPLIT
BUTTONS

CUSTOM
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by: Randy Austin

ABOUT THE AUTHOR

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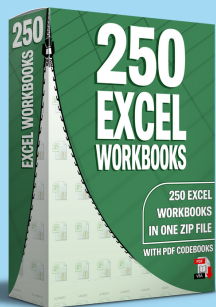
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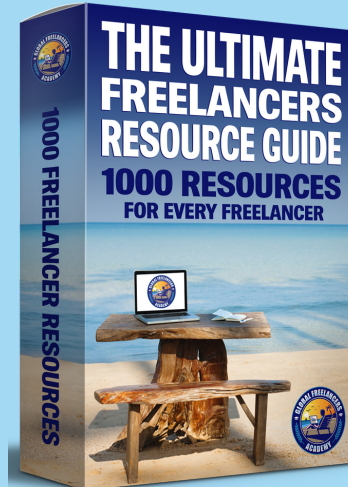
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```
1 Option Explicit
2
3
4 Private Sub Worksheet_Change(ByVal Target As Range)
5     If Not Intersect(Target, Range("Q7:Q18" )) Is Nothing Then RefreshRibbon 'Refresh
6     Ribbon On Type Change
7 End Sub
8
9 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
10    If Target.CountLarge > 1 Then Exit Sub
11    If Shapes("ColorPalette" ).Visible = True Then Shapes("ColorPalette" ).Visible =
12    msoFalse
13    'Show color palette
14    If Not Intersect(Target, Range("F8:F18" )) Is Nothing And Range("D" & Target.Row).
15    Value <> Empty Then
16        With Shapes("ColorPalette" )
17            .Left = Range("F" & Target.Row).Left
18            .Top = Range("F" & Target.Row + 1).Top
19            .Visible = msoCTrue
20        End With
21    End If
22 End Sub
```

1 Option Explicit

2

1
2

Option Explicit

```

1 Option Explicit
2
3 Private Sub Worksheet_Change(ByVal Target As Range)
4     'On Training Type Change
5     If Not Intersect(Target, Range("K3" )) Is Nothing And Range("K3" ).Value <> Empty
6         And Range("B1" ).Value = False Then
7             Dim TypeRow As Long
8             On Error Resume Next
9             TypeRow = Admin.Range("TrainTypes" ).Find(Target.Value, , xlValues, xlWhole).Row
10            On Error GoTo 0
11            If TypeRow <> 0 Then Range("K7" ).Value = Admin.Range("E" & TypeRow).Value 'Set
12            Default Training Days
13        End If
14    End Sub
15
16 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
17     If Target.CountLarge > 1 Then Exit Sub
18     If Shapes("DelAttBtn" ).Visible = True Then Shapes("DelAttBtn" ).Visible = msoFalse
19     'On recent training selection
20     If Not Intersect(Target, Range("D5:E9999" )) Is Nothing And Range("C" & Target.Row)
21     .Value <> Empty Then
22         Range("B8" ).Value = Target.Row 'Trigger DF Sel. Row
23         Range("B2" ).Value = Range("C" & Target.Row).Value ' Training ID
24         Train_Load
25     End If
26
27     'On Attachment selection
28     If Not Intersect(Target, Range("G29:I38" )) Is Nothing And Range("G" & Target.Row).
29     Value <> Empty Then
30         Range("B10" ).Value = Target.Row 'Trigger Conditional formatting
31         Attach_DisplayThumbnail
32         With Shapes("DelAttBtn" )
33             .Left = Range("J" & Target.Row).Left
34             .Top = Range("J" & Target.Row).Top
35             .ZOrder msoBringToFront
36             .Visible = msoCTrue
37         End With
38     End If
39 End Sub

```

1 Option Explicit

2

1 Option Explicit

2

```
1 Option Explicit
2
3 Sub Admin_SetTrainTypeColor()
4     ActiveCell.Interior.Color = Admin.Shapes(Application.Caller).Fill.ForeColor.RGB
5     Admin.Shapes("ColorPalette").Visible = msoFalse
6 End Sub
7
8 Sub BrowseForAttachFolder()
9     Dim JobFolder As FileDialog
10    Set JobFolder = Application.FileDialog(msoFileDialogFolderPicker)
11    With JobFolder
12        .Title = "Browse For Training Attachments Folder"
13        .AllowMultiSelect = False
14        If .Show <> -1 Then GoTo NoSelection
15        Admin.Range("D3").Value = .SelectedItems(1)
16    End With
17    NoSelection:
18 End Sub
19
20 Sub BrowseForEmpPicFolder()
21     Dim JobFolder As FileDialog
22     Set JobFolder = Application.FileDialog(msoFileDialogFolderPicker)
23     With JobFolder
24         .Title = "Browse For Employee Pictures Folder"
25         .AllowMultiSelect = False
26         If .Show <> -1 Then GoTo NoSelection
27         Admin.Range("D4").Value = .SelectedItems(1)
28     End With
29     NoSelection:
30 End Sub
```

```

1 Option Explicit
2 Dim AttachFile As FileDialog, AttFolder As String, FilePath As String, FileName As String
3 Dim TrainID As String, FileType As String, AttName As String
4 Dim LastRow As Long, LastResultRow As Long, AttachRow As Long, AttDBRow As Long, ResultRow As Long
5
6 Sub Attach_Add()
7     With EmpTrain
8         If .Range("B3").Value = Empty Then 'Save training before adding attachments
9             MsgBox "Please save this training before adding attachments"
10            Exit Sub
11        End If
12
13        If [AttachFolder] = "" Then
14            MsgBox "Please select an attachment folder in the Admin screen"
15            Exit Sub
16        End If
17
18        TrainID = .Range("B2").Value 'Training ID
19        Set AttachFile = Application.FileDialog(msoFileDialogFilePicker)
20        With AttachFile
21            .Title = "Select file to attach"
22            .Filters.Add "All Files", "*.*"
23            If .Show <> -1 Then GoTo NoSelection
24            FilePath = .SelectedItems(1) 'Get Full File Path
25            FileName = Dir(FilePath) 'Get File Name
26            FileType = Right(FileName, Len(FileName) - InStrRev(FileName, ".")) 'Get File Type (File Extension)
27            If FilePath = [AttachFolder] & "\" & FileName Then GoTo FileInDest
28            FileCopy FilePath, [AttachFolder] & "\" & FileName 'Copy To attachments folder
29            FileInDest:
30        End With
31        AttName = InputBox("Please enter an attachment name for this file", "Attachment Name")
32        If AttName = "" Then Exit Sub
33        With AttachDB
34            AttDBRow = .Range("A9999").End(xlUp).Row + 1 'First Avail. Attachment Row
35            .Range("A" & AttDBRow).Value = TrainID 'Training ID
36            .Range("B" & AttDBRow).Value = AttName 'Attachment Name
37            .Range("C" & AttDBRow).Value = FileName 'File Name
38            .Range("D" & AttDBRow).Value = FileType 'File Type
39            .Range("E" & AttDBRow).Value = "=Row()" 'DB Row
40        End With
41
42        Attach_Refresh 'Refresh List To Display New Attachment
43        .Range("G29").Select 'Select First Item to Display Thumbnail (if any)
44        'Attach_DisplayThumbnail
45        NoSelection:
46    End With
47 End Sub
48
49 Sub Attach_Delete()
50     If MsgBox("Are you sure you want to delete this attachment?", vbYesNo, "Delete Attachment") = vbNo Then Exit Sub
51     With EmpTrain
52         If .Range("B10").Value = Empty Then
53             MsgBox "Please select an attachment to delete"
54             Exit Sub
55         End If

```

```

1 2
56 AttachRow = .Range("B10").Value 'Selected Row
57 If EmpTrain.Range("G" & AttachRow).Value = Empty Then
58     MsgBox "Please select an Attachment to delete first"
59     Exit Sub
60 End If
61
62 On Error Resume Next
63 EmpTrain.Shapes("AttachThumb").Delete 'Delete Thumbnail if any
64 On Error GoTo 0
65
66 AttDBRow = .Range("F" & AttachRow).Value
67 AttachDB.Range(AttDBRow & ":" & AttDBRow).EntireRow.Delete
68 Attach_Refresh
69 .Shapes("DelAttBtn").Visible = msoFalse
70 EmpTrain.Range("G29").Select
71 Attach_DisplayThumbnail
72 End With
73 End Sub
74
75
76
77
78 Sub Attach_DisplayThumbnail()
79     With EmpTrain
80         On Error Resume Next
81         .Shapes("AttachThumb").Delete 'Clear any existing attachment file
82         On Error GoTo 0
83         If .Range("B10").Value = Empty Then Exit Sub 'Exit on No AttachmentRow
84         AttachRow = .Range("B10").Value 'Set Attachment Row
85         FileName = .Range("H" & AttachRow).Value 'File Name
86         FileType = LCase(.Range("I" & AttachRow).Value)
87         FilePath = [AttachFolder] & "\" & FileName 'Full Attachment File Path
88         If FileType = "jpg" Or FileType = "png" Or FileType = "gif" Or FileType =
            "jpeg" Or FileType = "bmp" Then 'Picture Types
89             On Error GoTo NoAttach
90             If Dir(FilePath, vbDirectory) = "" Then Exit Sub
91             .Pictures.Insert(FilePath).Name = "AttachThumb"
92             With .Shapes("AttachThumb")
93                 .Visible = msoCTrue
94                 .LockAspectRatio = True
95                 If .Width > .Height Then .Width = 120 Else: .Height = 110
96                 .Left = EmpTrain.Range("J29").Left + (EmpTrain.Range("J:K").Width - .
                    Width) / 2
97                 .Top = EmpTrain.Range("J29").Top + (EmpTrain.Range("29:38").Height - .
                    Height) / 2
98             End With
99         End If
100    End With
101    NoAttach:
102 End Sub
103 Sub Attach_Open()
104     With EmpTrain
105         If .Range("B10").Value = Empty Then
106             MsgBox "Please select an attachment to open"
107             Exit Sub
108         End If
109         AttachRow = .Range("B10").Value 'Selected Attachment Row
110         FilePath = [AttachFolder] & "\" & .Range("H" & AttachRow).Value 'Attachment
            File Path
111         If Dir(FilePath) = "" Or FilePath = "" Then Exit Sub
112         ThisWorkbook.FollowHyperlink (FilePath) 'Open Selected File

```

```
1 2
113 End With
114 End Sub
115
116 Sub Attach_Refresh()
117     If EmpTrain.Range("B2" ).Value = "" Then Exit Sub 'Training ID
118     EmpTrain.Range("B10,F29:I38" ).ClearContents 'Clear Old Attachemets fields
119     On Error Resume Next
120     EmpTrain.Shapes("AttachThumb" ).Delete 'Delete any existing attachment
121     On Error GoTo 0
122     AttachRow = 29 'Set Starting Attachments Row
123     With AttachDB 'With Attachments sheet
124         LastRow = .Range("A9999" ).End(xlUp).Row
125         If LastRow < 4 Then Exit Sub
126         .Range("A3:E" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
127             "K2:K3" ), CopyToRange:=.Range("N2:Q2" ), Unique:=True
128         LastResultRow = .Range("N9999" ).End(xlUp).Row 'Last Filtered Row Results
129         If LastResultRow < 3 Then Exit Sub 'If no Attach. found then attachments
130         For ResultRow = LastResultRow To 3 Step -1 'Use Reverse For next to put most
131             recent Attach. First
132             EmpTrain.Range("F" & AttachRow & ":I" & AttachRow).Value = .Range("N" &
133                 ResultRow & ":Q" & ResultRow).Value 'Copy Over Attachment Info
134             AttachRow = AttachRow + 1
135             If AttachRow = 39 Then Exit Sub 'Exit If Table is Full
136         Next ResultRow
137     End With
138 End Sub
```



```
1 Option Explicit
2
3 Sub Email_Training()
4   Dim EmailTo As String, Subj As String, Mesg As String, SendType As String, CCTo As String
5   Dim VarRow As Long
6   Dim OutApp As Object, OutMail As Object
7   With Admin
8     SendType = .Range("C23").Value
9     Select Case SendType
10      Case Is = "Manager & Employee"
11        EmailTo = EmpTrain.Range("B13").Value 'Employee Email
12        CCTo = EmpTrain.Range("B14").Value 'Mgr Email
13      Case Is = "Employee Only"
14        EmailTo = EmpTrain.Range("B13").Value 'Employee Email
15        CCTo = "" 'Mgr Email
16      Case Is = "Manager Only"
17        EmailTo = EmpTrain.Range("B14").Value 'Mgr Email
18        CCTo = "" 'Employee Email
19    End Select
20
21    Subj = .Range("B25").Value 'Subject
22    Mesg = .Range("B27").Value 'Email Message
23    Set OutApp = CreateObject("Outlook.Application")
24
25    For VarRow = 25 To 31
26      Subj = Replace(Subj, .Range("H" & VarRow).Value, .Range("I" & VarRow).Value)
27      Mesg = Replace(Mesg, .Range("H" & VarRow).Value, .Range("I" & VarRow).Value)
28    Next VarRow
29    Set OutMail = OutApp.CreateItem(0)
30    With OutMail
31      .To = EmailTo
32      .CC = CCTo
33      .Subject = Subj
34      .Body = Mesg
35      .Display 'To send use .Send
36    End With
37    On Error GoTo 0
38    Set OutMail = Nothing
39  End With
40 End Sub
```

```
1 Option Explicit
2
3 Sub CreateRecurringTraining()
4     Dim StartDt As Date, Untildt As Date, TrainDt As Date
5     Dim FreqQty As Long, TrainNumb As Long
6     Dim Freq As String
7     With EmpTrain
8         If .Range("B3").Value = Empty Then
9             MsgBox "Please make sure to save the training before creating Recurring
10                trainings"
11             Exit Sub
12         End If
13         If .Range("B12").Value <> 4 Then
14             MsgBox "Please make sure to fill in all 4 fields to make this training
15                recurring"
16             Exit Sub
17         End If
18         If IsNumeric(.Range("H23").Value) = False Or IsDate(.Range("H24").Value) =
19             False Or IsDate(.Range("K24").Value) = False Then
20             MsgBox "Please make sure the 'Every' field is a whole number and Start On and
21                Until fields are dates"
22             Exit Sub
23         End If
24
25         Application.ScreenUpdating = False
26         Application.EnableEvents = False
27         FreqQty = .Range("H23").Value 'Frequency Qty
28         Freq = .Range("K23").Value 'Frequency
29         StartDt = .Range("H24").Value 'Start Date
30         Untildt = .Range("K24").Value 'Until date
31         TrainDt = StartDt 'Set Initial Training Date
32         Do While TrainDt <= Untildt
33             .Range("B2").ClearContents 'Clear Existing Training ID (To Default to new
34             one)
35             .Range("H7").Value = TrainDt 'Set Start Date
36             Train_SaveUpdate 'Save
37             TrainNumb = TrainNumb + 1 'Increment Training Number
38             Select Case Freq
39                 Case Is = "Weeks"
40                     TrainDt = DateAdd("ww", FreqQty, TrainDt) 'Update Training Date
41                 Case Is = "Months"
42                     TrainDt = DateAdd("m", FreqQty, TrainDt) 'Update Training Date
43                 Case Is = "Quarters"
44                     TrainDt = DateAdd("q", FreqQty, TrainDt) 'Update Training Date
45                 Case Is = "Years"
46                     TrainDt = DateAdd("yyyy", FreqQty, TrainDt) 'Update Training Date
47             End Select
48         Loop
49         Application.ScreenUpdating = True
50         Application.EnableEvents = True
51         Schedule_Refresh
52         MsgBox TrainNumb & " Employee Trainings have been created"
53     End With
54 End Sub
```

```
1 Option Explicit
2 Public myRibbon As IRibbonUI
3
4 Sub LoginVisible(control As IRibbonControl, ByRef Visible)
5     If EmpTrain.Range("B17").Value = "Logged Out" Then
6         Visible = True
7     Else
8         Visible = False
9     End If
10    RefreshRibbon
11 End Sub
12
13 Sub LogoutVisible(control As IRibbonControl, ByRef Visible)
14     If EmpTrain.Range("B17").Value = "Logged In" Then
15         Visible = True
16     Else
17         Visible = False
18     End If
19    RefreshRibbon
20 End Sub
21
22
23 Sub RefreshRibbon()
24     'Ribbon refresh
25     On Error GoTo RestartExcel
26     myRibbon.Invalidate
27     On Error GoTo 0
28     Exit Sub
29
30     RestartExcel:
31     MsgBox "Please restart Excel for Ribbon UI changes to take effect", vbCritical,
32     "Ribbon UI Refresh Failed"
33 End Sub
34
35 Sub Ribbon_AddNew(control As IRibbonControl)
36     Train_New
37 End Sub
38
39 Sub Ribbon_Delete(control As IRibbonControl)
40     Train_Delete
41 End Sub
42
43 Sub Ribbon_EmailTraining(control As IRibbonControl)
44     Email_Training
45 End Sub
46
47 Sub Ribbon_NextMonth(control As IRibbonControl)
48     Sched_NextMonth
49 End Sub
50
51 Sub Ribbon_PrevMonth(control As IRibbonControl)
52     Sched_PrevMonth
53 End Sub
54
55 Sub Ribbon_SaveUpdate(control As IRibbonControl)
56     Train_SaveUpdate
57 End Sub
58
59 Sub Ribbon_ScheduleRefresh(control As IRibbonControl)
60     Schedule_Refresh
61 End Sub
```

```

61 Sub Ribbon_ThisMonth(control As IRibbonControl)
62     Sched_ThisMonth
63 End Sub
64
65 Sub RibbonLoaded_SetRibbon(ribbon As IRibbonUI)
66     Set myRibbon = ribbon 'Stores ribbon as variable on ribbon load in order to refresh
        it on change
67 End Sub
68
69
70 ''''EMPLOYEE TYPE DROP DOWN
71 Sub Toolbar_EmpTypeCount(control As IRibbonControl, ByRef ReturnedVal)
72     ReturnedVal = Admin.Range("Q7").End(xlDown).Row - 5 'Total Employee Types
73 End Sub
74
75 Sub Toolbar_EmpTypeGetDefaut(control As IRibbonControl, ByRef DefaultItem)
76     DefaultItem = EmpTrain.Range("B11").Value - 1 'Set Default Type
77 End Sub
78
79 Sub Toolbar_EmpTypeNames(control As IRibbonControl, index As Integer, ByRef ReturnedVal
80 )
81     ReturnedVal = Employees.Range("Q" & index + 2).Value 'Employee types
82 End Sub
83
84 Sub Toolbar_EmpTypeSelect(control As IRibbonControl, id As String, index As Integer)
85     EmpTrain.Range("B11").Value = index + 1 'Set Selected Year #
86     Schedule_Refresh
87 End Sub
88
89 ''''MONTH DROP DOWN LIST
90 Sub Toolbar_GetMonthCount(control As IRibbonControl, ByRef ReturnedVal)
91     ReturnedVal = 12 'Total # of Months
92 End Sub
93
94 Sub Toolbar_GetMonthNames(control As IRibbonControl, index As Integer, ByRef
95 ReturnedVal)
96     ReturnedVal = Admin.Range("H" & index + 8).Value 'Month Names
97 End Sub
98
99 ''''SCHEDULE YEAR DROP DOWN
100 Sub Toolbar_GetYearCount(control As IRibbonControl, ByRef ReturnedVal)
101     ReturnedVal = 7 'Total # of Years
102 End Sub
103
104 Sub Toolbar_GetYearNames(control As IRibbonControl, index As Integer, ByRef ReturnedVal
105 )
106     ReturnedVal = Admin.Range("I" & index + 8).Value 'Year Names
107 End Sub
108
109 Sub Toolbar_MonthGetDefaut(control As IRibbonControl, ByRef DefaultItem)
110     DefaultItem = EmpTrain.Range("B5").Value - 1 'Set Default Type
111 End Sub
112
113 Sub Toolbar_MonthSelect(control As IRibbonControl, id As String, index As Integer)
114     EmpTrain.Range("B5").Value = index + 1 'Set Selected Month #
115     Schedule_Refresh
116 End Sub
117
118 Sub Toolbar_YearGetDefaut(control As IRibbonControl, ByRef DefaultItem)
119     DefaultItem = EmpTrain.Range("B7").Value - 1 'Set Default Type
120 End Sub

```

1

```
1
118 End Sub
119
120 Sub Toolbar_YearSelect(control As IRibbonControl, id As String, index As Integer)
121     EmpTrain.Range("B7" ).Value = index + 1 'Set Selected Year #
122     Schedule_Refresh
123 End Sub
124
125 Sub User_Login(control As IRibbonControl)
126     EmpTrain.Range("B17" ).Value = "Logged In"
127     RefreshRibbon
128 End Sub
129
130 Sub User_Logout(control As IRibbonControl)
131     EmpTrain.Range("B17" ).Value = "Logged Out"
132     RefreshRibbon
133 End Sub
```

```

1 Option Explicit
2 Dim TrainShp As Shape
3 Dim LastRow As Long, ResultRow As Long, LastResultRow As Long, TrainDays As Long
4 Dim ScRow As Long, ScStartCol As Long, ScEndCol As Long, TypeRow As Long
5 Dim TrainID As String, TrainName As String, EmpName As String, TrainType As String
6 Dim PicPath As String, EmpPicFolder As String, EmpPic As String, TypeColor As String
7 Dim ScStartDt As Date, ScEndDt As Date, StartDt As Date, EndDt As Date
8
9 Sub Sched_NextMonth()
10     With EmpTrain
11         If .Range("B5").Value = 12 Then 'Increase Year by 1, and set to January
12             If .Range("B7").Value = 7 Then
13                 MsgBox "You are on the last available year. Please update the years in the
14                     Admin screen"
15                 Exit Sub
16             End If
17             .Range("B7").Value = .Range("B7").Value + 1 'Increase year
18             .Range("B5").Value = 1 'Set to January
19         Else: 'Non December
20             .Range("B5").Value = .Range("B5").Value + 1 'Increase Month
21         End If
22     End With
23     Schedule_Refresh 'Refresh Schedule
24 End Sub
25
26 Sub Sched_PrevMonth()
27     With EmpTrain
28         If .Range("B5").Value = 1 Then 'Reduce Year by 1, and set to December
29             If .Range("B7").Value = 1 Then
30                 MsgBox "You are on the first available year"
31                 Exit Sub
32             End If
33             .Range("B7").Value = .Range("B7").Value - 1 'Reduce year
34             .Range("B5").Value = 12 'Set to December
35         Else: 'Non -January
36             .Range("B5").Value = .Range("B5").Value - 1 'Reduce Month
37         End If
38     End With
39     Schedule_Refresh 'Refresh Schedule
40 End Sub
41 Sub Sched_ThisMonth()
42     With EmpTrain
43         .Range("B5").Value = Month(Date) 'Set Current Month
44         On Error Resume Next
45         .Range("B7").Value = Admin.Range("Years").Find(Year(Date), , xlValues, xlWhole)
46         .Row - 7
47         On Error GoTo 0
48     End With
49     Schedule_Refresh 'Refresh Schedule
50 End Sub
51 Sub Sched_TrainingSelect()
52     TrainID = Replace(Application.Caller, Left(Application.Caller, 8), "")
53     EmpTrain.Range("B2").Value = TrainID
54     Train_Load
55 End Sub
56
57 Sub Schedule_Refresh()
58     With EmpTrain
59         'Clear & Resort Employees (Updated)

```

```

1 2
60 .Range("M4:M999" ).ClearContents
61 With Employees
62     LastRow = .Range("A99999" ).End(xlUp).Row
63     If LastRow < 4 Then Exit Sub
64     .Range("A3:I" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
        "S2:S3" ), CopyToRange:=.Range("U2" ), Unique:=True
65     LastResultRow = .Range("U99999" ).End(xlUp).Row
66     If LastResultRow < 3 Then Exit Sub
67     EmpTrain.Range("M4:M" & LastResultRow + 1).Value = .Range("U3:U" &
        LastResultRow).Value 'Bring Over Filtered Employees
68 End With
69
70 'Clear all Schedule Shapes
71 For Each TrainShp In .Shapes
72     On Error Resume Next
73     If InStr(TrainShp.Name, "EmpTrain" ) > 0 Then TrainShp.Delete
74     If InStr(TrainShp.Name, "EmpIPict" ) > 0 Then TrainShp.Delete
75     On Error GoTo 0
76 Next TrainShp
77 ScStartDt = .Range("N3" ).Value 'Schedule Start Date (1st Day of Month)
78 ScEndDt = .Range("B9" ).Value 'Schedule End Date (Last Day of Month)
79 EmpPicFolder = [PictureFolder] 'Employee Picture folder
80 End With
81
82 With TrainDB
83     .Range("AB3:A09999" ).ClearContents 'Clear Prev. Results
84     LastRow = .Range("A99999" ).End(xlUp).Row
85     If LastRow < 4 Then Exit Sub
86     .Range("A3:M" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
        "V2:Y5" ), CopyToRange:=.Range("AB2:AN2" ), Unique:=True
87     LastResultRow = .Range("AB99999" ).End(xlUp).Row
88     If LastResultRow < 3 Then Exit Sub
89     .Range("A03:A0" & LastResultRow).Formula = .Range("A01" ).Formula 'Employee
        Pictures
90     For ResultRow = 3 To LastResultRow
91         'Get Variables
92         TrainID = .Range("AB" & ResultRow).Value 'Train ID
93         TrainName = .Range("AC" & ResultRow).Value 'Train Name
94         TrainType = .Range("AD" & ResultRow).Value 'Training Status
95         EmpName = .Range("AE" & ResultRow).Value 'Employee Name
96         StartDt = .Range("AG" & ResultRow).Value 'Start Date
97         TrainDays = .Range("AH" & ResultRow).Value 'Training Days
98         EndDt = .Range("AN" & ResultRow).Value 'End Date
99         EmpPic = .Range("AO" & ResultRow).Value 'Employee Picture
100
101     'Set Starting Column
102     If StartDt <= ScStartDt Then 'Set To first Column
103         ScStartCol = 14
104     Else 'Starts Within the Month
105         ScStartCol = 14 + (StartDt - ScStartDt) 'Set Start Column
106     End If
107
108     'Set Ending Column
109     If EndDt >= ScEndDt Then 'End on or after last day of the month - Set To
        last column
110         ScEndCol = 14 + (ScEndDt - ScStartDt)
111     Else 'Ends Within the Month
112         ScEndCol = 14 + (EndDt - ScStartDt) 'Set End Column
113     End If
114
115     'Determine Train Type Color

```

```

116 On Error Resume Next
117 TypeRow = Admin.Range("TrainTypes" ).Find(TrainType, , xlValues, xlWhole).Row
118 On Error GoTo 0
119 If TypeRow <> 0 Then TypeColor = Admin.Range("F" & TypeRow).Interior.Color
    'Get Interior cell color
120
121 'Determine Scheduld Row
122 On Error Resume Next
123 ScRow = EmpTrain.Range("M4:M999" ).Find(EmpName, , xlValues, xlWhole).Row
    'Get Employee Schedule Row
124 On Error GoTo 0
125 If ScRow = 0 Or EmpName = "" Then GoTo NextTrain
126
127 With EmpTrain
128     'Create Training Shape
129     .Shapes("TrainSample" ).Duplicate.Name = "EmpTrain" & TrainID
130     With .Shapes("EmpTrain" & TrainID)
131         If TypeColor <> "" Then .Fill.ForeColor.RGB = TypeColor 'Set Shape
            Training Color
132         .Left = EmpTrain.Cells(ScRow, ScStartCol).Left
133         .Top = EmpTrain.Cells(ScRow, ScStartCol).Top
134         .Width = Range(EmpTrain.Cells(ScRow, ScStartCol), EmpTrain.Cells(ScRow,
            ScEndCol)).Width
135         .TextFrame2.TextRange.Text = TrainName 'Set Train Name
136     End With
137
138     'Set Employee or Default Picture
139     .Shapes("PicSample" ).Duplicate.Name = "EmplPict" & TrainID
140     PicPath = EmpPicFolder & "\" & EmpPic 'Full Picture File Path
141     With .Shapes("EmplPict" & TrainID)
142         .Left = EmpTrain.Cells(ScRow, ScStartCol).Left
143         .Top = EmpTrain.Cells(ScRow, ScStartCol).Top
144         If Dir(PicPath, vbDirectory) <> "" And EmpPic <> "" Then .Fill.
            UserPicture (PicPath)
145     End With
146 End With
147 NextTrain:
148 Next ResultRow
149 End With
150 End Sub

```



```

1 Option Explicit
2
3 Dim LastRow As Long, LastResultRow As Long, TrainRow As Long, TrainCol As Long, SelRow
  As Long
4
5
6 Sub Train_Delete()
7   With EmpTrain
8     If MsgBox("Are you sure you want to delete this Training?" , vbYesNo, "Delete
      Training" ) = vbNo Then Exit Sub
9     If .Range("B3" ).Value = Empty Then GoTo NotSaved
10    TrainRow = .Range("B3" ).Value 'Train Row
11    LastRow = TrainDB.Range("A99999" ).End(xlUp).Row
12    TrainDB.Range("A" & TrainRow & ":M" & TrainRow).ClearContents 'Clear Range
13    If LastRow < 4 Then GoTo NotSaved 'No Sorting on a single record
14    With TrainDB.Sort
15      .SortFields.Clear
16      .SortFields.Add Key:=TrainDB.Range("A3" ), SortOn:=xlSortOnValues, Order:=
        xlAscending, DataOption:=xlSortNormal 'Sort
17      .SetRange TrainDB.Range("A4:M" & LastRow) 'Set Range
18      .Apply 'Apply Sort
19    End With
20    NotSaved:
21    Train_New 'Run macro to create new Training
22    Train_ListTrainings 'Update Training list
23    Schedule_Refresh
24  End With
25 End Sub
26
27
28
29 Sub Train_ListTrainings()
30   EmpTrain.Range("B8,C5:E9999" ).ClearContents 'Clear existing Trainings
31   With TrainDB
32     LastRow = .Range("A99999" ).End(xlUp).Row 'Last Row of data
33     If LastRow < 4 Then Exit Sub
34     On Error Resume Next
35     .Names("Criteria" ).Delete 'Delete any existing Criteria
36     On Error GoTo 0
37     .Range("A3:R" & LastRow).AdvancedFilter xlFilterCopy, , CopyToRange:=.Range(
        "Q2:S2" ), Unique:=True
38     LastResultRow = .Range("Q99999" ).End(xlUp).Row 'Last Result Row
39     If LastResultRow < 3 Then Exit Sub
40     If LastResultRow < 4 Then GoTo SkipSort
41     With .Sort
42       .SortFields.Clear
43       .SortFields.Add Key:=TrainDB.Range("Q3" ), SortOn:=xlSortOnValues, Order:=
        xlDescending, DataOption:=xlSortNormal 'Sort
44       .SetRange TrainDB.Range("Q3:S" & LastResultRow) 'Set Range
45       .Apply 'Apply Sort
46     End With
47     SkipSort:
48
49     EmpTrain.Range("C5:E" & LastResultRow + 2).Value = .Range("Q3:S" &
        LastResultRow).Value 'Bring Over Trainings
50     On Error Resume Next
51     SelRow = EmpTrain.Range("C5:C9999" ).Find(EmpTrain.Range("B2" ).Value, ,
        xlFormulas, xlWhole).Row
52     If SelRow <> 0 And EmpTrain.Range("B2" ).Value <> Empty Then EmpTrain.Range("B8"
        ).Value = SelRow 'Set Selected Row
53     On Error GoTo 0

```

1 2

```

54 1 2 End With
55 End Sub
56
57 Sub Train_Load()
58 With EmpTrain
59 If .Range("B3" ).Value = Empty Then
60     MsgBox "Please select a correct Training to load"
61     Exit Sub
62 End If
63 TrainRow = .Range("B3" ).Value 'Train Row
64 .Range("B1" ).Value = True 'Set Training Load To True
65 For TrainCol = 2 To 12
66     .Range(TrainDB.Cells(1, TrainCol).Value).Value = TrainDB.Cells(TrainRow,
67     TrainCol).Value 'Bring over data
68 Next TrainCol
69 .Range("B1" ).Value = False 'Set Training Load To Falses
70 End With
71 Attach_Refresh 'Load Attachments, if any
72 End Sub
73
74 Sub Train_New()
75 EmpTrain.Range("B2,B8,B10,H3,K3,H5,K5,H7,K7,H9,K9,H11,K11,G14:K20,F29:I38,B10" ).
76 ClearContents 'Clear Train Fields
77 On Error Resume Next
78 EmpTrain.Shapes("AttachThumb" ).Delete
79 On Error GoTo 0
80 End Sub
81
82 Sub Train_SaveUpdate()
83 With EmpTrain
84 If .Range("H3" ).Value = Empty Or .Range("K3" ).Value = Empty Then
85     MsgBox "Please make sure to enter a Training Name and Employee Name before
86     saving"
87     Exit Sub
88 End If
89 If .Range("B3" ).Value = Empty Then 'New Train
90     TrainRow = TrainDB.Range("A99999" ).End(xlUp).Row + 1 'First Avail Row
91     .Range("B2" ).Value = .Range("B4" ).Value 'New Train. ID
92     TrainDB.Range("A" & TrainRow).Value = .Range("B2" ).Value 'Set Train ID
93 Else 'Existing Train
94     TrainRow = .Range("B3" ).Value 'Existing Train Row
95 End If
96 For TrainCol = 2 To 12
97     TrainDB.Cells(TrainRow, TrainCol).Value = .Range(TrainDB.Cells(1, TrainCol).
98     Value).Value 'Save/Update Data
99 Next TrainCol
100 TrainDB.Range("M" & TrainRow).Value = TrainDB.Range("F" & TrainRow).Value +
101 TrainDB.Range("G" & TrainRow).Value 'End Date
102 Train_ListTrainings 'Update Training list
103 On Error Resume Next
104 If Application.Caller = "SaveBtn" Then Schedule_Refresh 'Update Schedule
105 Application.ScreenUpdating = True
106 On Error Resume Next
107 If Application.Caller = "SaveBtn" Then MsgBox "Training has been saved"
108 On Error GoTo 0
109 End With
110 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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