


VBA SOURCE CODE BOOK

PROJECT MANAGER PT.4 ADD WEEKENDS & HOLIDAYS



PROJECT MANAGER PT. 4

Assigned To (Resource)

Resource	Task	Start	End
Fred Fredders	New Website	1/2	1/16
Fred Fredders	Site Redesign	1/16	1/30
Fred Fredders	Site Speed Up	1/16	1/30
Sally Smith	New Website	1/2	1/16
Sally Smith	Site Redesign	1/16	1/30
Sally Smith	Site Speed Up	1/16	1/30
Lisa Leslie	New Website	1/2	1/16
Lisa Leslie	Site Redesign	1/16	1/30
Lisa Leslie	Site Speed Up	1/16	1/30
David Davidson	New Website	1/2	1/16
David Davidson	Site Redesign	1/16	1/30
David Davidson	Site Speed Up	1/16	1/30
Mark Mathers	Website Testing	1/16	1/30
Peter Rabbit	Website Testing	1/16	1/30
Charlie Brown	Website Testing	1/16	1/30
Lucy Lee	New Site & Design	1/2	1/16
Daniel Damon	Bug Fix Issues	1/2	1/16
George Risen	Bug Fix Issues	1/2	1/16
Parker Sams	Bug Fix Issues	1/2	1/16
Fred Smith	Bug Fix Issues	1/2	1/16
Test	Site Speed Up	1/16	1/30

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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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Option Explicit

```

1 Private Sub Worksheet_Change(ByVal Target As Range)
2
3   If Target.CountLarge > 2 Then Exit Sub
4   If Not Intersect(Target, Range("T2,Z2" )) Is Nothing Then ProjSched_Load
5   'On Project change but not on New Project or Project load
6   If Not Intersect(Target, Range("E4,E6,E8,E10,E12,D15,H14,I14" )) Is Nothing And Range(
7     "B3" ).Value = False And Range("B2" ).Value = False Then
8     Dim ProjRow As Long
9     Dim ProjCol As Long
10    If Range("B4" ).Value = Empty Then Exit Sub
11    ProjRow = Range("B4" ).Value 'Project row
12    If IsNumeric(Cells(Target.Row, Target.Column + 50).Value) = False Then
13      MsgBox "Please check your data mapping." & vbCrLf & Cells(Target.Row, Target.Column
14        + 50).Address & " should contain a number"
15      Exit Sub
16    End If
17    ProjCol = Cells(Target.Row, Target.Column + 50).Value
18    Sheet2.Cells(ProjRow, ProjCol).Value = Target.Value
19    ProjSched_Load 'Refresh Schedule
20  End If
21
22  'Load Project on Project # Change but not on Project Load
23  If Not Intersect(Target, Range("I4" )) Is Nothing And Range("B2" ).Value = False Then
24    Project_Load
25
26  'On Resource Change, but not on New Project Or Project Load
27  If Not Intersect(Target, Range("H6:H12" )) Is Nothing And Range("B2" ).Value = False And
28    Range("B3" ).Value = False Then
29    'StopCalc
30    Dim ProjResRow As Long
31    'On Error Resume Next
32    If Range("J" & Target.Row).Value = Empty And Range("H" & Target.Row).Value <> Empty
33      Then 'New Resource
34        ProjResRow = Sheet4.Range("A99999" ).End(xlUp).Row + 1
35      Else: 'Existing Resource
36        ProjResRow = Range("J" & Target.Row).Value 'Get Resource Row
37        If Range("H" & Target.Row).Value = Empty Then
38          On Error Resume Next
39          Sheet4.Range(ProjResRow & ":" & ProjResRow).EntireRow.Delete
40          Project_LoadResources
41          ProjSched_Load
42          ResetCalc
43          Exit Sub
44        End If
45      End If
46
47  Sheet4.Range("A" & ProjResRow).Value = Range("I4" ).Value 'Add/Update Project Number
48  Sheet4.Range("B" & ProjResRow).Value = Target.Value 'Resource Name
49  Sheet4.Range("C" & ProjResRow).Value = "=IFERROR(INDEX(Proj_Name,MATCH(A" &
50    ProjResRow & ",Proj_Numb,0),1)," & Chr(34) & Chr(34) & ")" 'Project Name
51  Sheet4.Range("D" & ProjResRow).Value = "=IFERROR(INDEX(Proj_StartDate,MATCH(A" &
52    ProjResRow & ",Proj_Numb,0),1)," & Chr(34) & Chr(34) & ")" 'Start Date Formula
53  Sheet4.Range("E" & ProjResRow).Value = "=IFERROR(INDEX(Proj_EndDate,MATCH(A" &
54    ProjResRow & ",Proj_Numb,0),1)," & Chr(34) & Chr(34) & ")" 'End Date Formula
55  Sheet4.Range("F" & ProjResRow).Value = "=IFERROR(MATCH(B" & ProjResRow &
56    ",Resource_Name,0)+2," & Chr(34) & Chr(34) & ")" 'Resource Row
57  Sheet4.Range("G" & ProjResRow).Value = "=Row()"
58  Range("J" & Target.Row).Value = ProjResRow 'Add/Update Resource Row
59  ProjSched_Load 'Reload Schedule
60  ResetCalc

```

```

53 1 2 End If
54
55 'On Task Change but not on New Project or Project Load
56 If Not Intersect(Target, Range("K4:O26" )) Is Nothing And Range("B2" ).Value = False And
Range("B3" ).Value = False Then
57 Dim TaskRow As Long
58 If Range("P" & Target.Row).Value <> Empty Then 'Existing Task
59 TaskRow = Range("P" & Target.Row).Value 'Task Row For Existing Task
60 Else: 'New Task
61 TaskRow = Sheet7.Range("A99999" ).End(xlUp).Row + 1 'First Available Row
62 Sheet7.Range("A" & TaskRow).Value = Range("I4" ).Value 'Project #
63 Sheet7.Range("G" & TaskRow).Value = "=IFERROR(WORKDAY.INTL(D" & TaskRow & "-1,E"
& TaskRow & ",WeekendCode,HolidayDates)," & Chr(34) & Chr(34) & ")" 'Add End Date
Formula
64 Sheet7.Range("H" & TaskRow).Value = "=Row()" 'Add Row Formula
65 Range("P" & Target.Row).Value = TaskRow 'Add In New Task Row
66 End If
67 Sheet7.Cells(TaskRow, Target.Column - 9).Value = Target.Value
68 End If
69 End Sub
70
71 Private Sub Worksheet_Deactivate()
72 Dim Cal As Shape
73 On Error Resume Next
74 Set Cal = Shapes("Calendar" )
75 On Error GoTo 0
76 If Cal Is Nothing Then 'Shape Deleted
77 Application.EnableEvents = False
78 On Error Resume Next
79 Application.Undo
80 On Error GoTo 0
81 Application.EnableEvents = True
82 End If
83 End Sub
84
85 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
86 If Target.CountLarge > 1 Then Exit Sub
87 Dim Cal As Shape
88 On Error Resume Next
89 Set Cal = Shapes("Calendar" )
90 On Error GoTo 0
91 If Cal Is Nothing Then 'Shape Deleted
92 Application.EnableEvents = False
93 On Error Resume Next
94 Application.Undo
95 On Error GoTo 0
96 Application.EnableEvents = True
97 End If
98 If Not Intersect(Target, Range("E8,E12" )) Is Nothing Or Not Intersect(Target, Range(
" M4:M26" )) Is Nothing And Range("K" & Target.Row).Value <> Empty Then 'Change this to
any cell (or cells) you would like to have the Pop-Up Calendar Appear
99 CheckForSheet
100 CalendarShow
101 Else:
102 CheckForSheet
103 CalendarHide
104 End If
105 If Not Intersect(Target, Range("R4:AV37" )) Is Nothing And IsNumeric(Cells(Target.Row,
Target.Column + 100).Value) = True Then Range("I4" ).Value = Cells(Target.Row, Target.
Column + 100).Value
106 'On Selection of an attachment

```

```
1
107 If Not Intersect(Target, Range("D21:F26" )) Is Nothing And Range("D" & Target.Row).Value <
    <> Empty Then
108     Range("B7" ).Value = Target.Row
109     Attach_DisplayThumbnail
110 End If
111 'On selection of a Task
112 If Not Intersect(Target, Range("K4:O26" )) Is Nothing And Range("K" & Target.Row).Value <
    > Empty Then
113     Range("B8" ).Value = Target.Row
114     ShowTaskIcons
115 Else
116     Shapes("TaskGroup" ).Visible = msoFalse
117     Range("B8" ).ClearContents
118 End If
119 End Sub
```


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1 Option Explicit

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1 Option Explicit

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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 Not Intersect(Target, Range("K4:K33" )) Is Nothing Then 'Change this to any cell (or
6         CheckForSheet
7         CalendarShow
8     Else:
9         CheckForSheet
10        CalendarHide
11    End If
12    'On Selection Change of Project Type Defaults
13    If Not Intersect(Target, Range("C4:C33" )) Is Nothing And Range("B" & Target.Row).Value <
14        > Empty Then
15        Range("C4:C33" ).ClearContents
16        Range("C" & Target.Row).Value = "ü"
17    End If
18    'On Selection Change of Project Status Defaults
19    If Not Intersect(Target, Range("F4:F33" )) Is Nothing And Range("E" & Target.Row).Value <
20        > Empty Then
21        Range("F4:F33" ).ClearContents
22        Range("F" & Target.Row).Value = "ü"
23    End If
24 End Sub
```

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1 Option Explicit

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E

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1	Option Explicit
2	

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```
1 Option Explicit
2
3 Sub ResetCalc()
4     With Application
5         .EnableEvents = True
6         .Calculation = xlCalculationAutomatic
7         .ScreenUpdating = True
8     End With
9 End Sub
10
11 Sub StopCalc()
12     With Application
13         .EnableEvents = False
14         .Calculation = xlCalculationManual
15         .ScreenUpdating = False
16     End With
17 End Sub
18
```

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X

xlCalculationAutomatic, [23](#)

xlCalculationManual, [23](#)

```
1 Dim SelCell As Range
2 Dim DayName As String
3
4 .....Color Calendar Background.....
5 Sub CalCol1()
6     With ActiveSheet.Shapes.Range(Array("CalBack" , "Settings" )).Select
7         With Selection.ShapeRange.Fill
8             .ForeColor.RGB = RGB(234, 234, 234)
9         End With
10        ActiveSheet.Range(Sheets("CalPopUp" ).Range("A7" ).Value).Select
11    End With
12 End Sub
13 Sub CalCol2()
14     With ActiveSheet.Shapes.Range(Array("CalBack" , "Settings" )).Select
15         With Selection.ShapeRange.Fill
16             .ForeColor.RGB = RGB(197, 190, 151)
17         End With
18        ActiveSheet.Range(Sheets("CalPopUp" ).Range("A7" ).Value).Select
19    End With
20 End Sub
21 Sub CalCol3()
22     With ActiveSheet.Shapes.Range(Array("CalBack" , "Settings" )).Select
23         With Selection.ShapeRange.Fill
24             .ForeColor.RGB = RGB(141, 180, 227)
25         End With
26        ActiveSheet.Range(Sheets("CalPopUp" ).Range("A7" ).Value).Select
27    End With
28 End Sub
29 Sub CalCol4()
30     With ActiveSheet.Shapes.Range(Array("CalBack" , "Settings" )).Select
31         With Selection.ShapeRange.Fill
32             .ForeColor.RGB = RGB(184, 204, 228)
33         End With
34        ActiveSheet.Range(Sheets("CalPopUp" ).Range("A7" ).Value).Select
35    End With
36 End Sub
37 Sub CalCol5()
38     With ActiveSheet.Shapes.Range(Array("CalBack" , "Settings" )).Select
39         With Selection.ShapeRange.Fill
40             .ForeColor.RGB = RGB(230, 185, 184)
41         End With
42        ActiveSheet.Range(Sheets("CalPopUp" ).Range("A7" ).Value).Select
43    End With
44 End Sub
45 Sub CalCol6()
46     With ActiveSheet.Shapes.Range(Array("CalBack" , "Settings" )).Select
47         With Selection.ShapeRange.Fill
48             .ForeColor.RGB = RGB(215, 228, 188)
49         End With
50        ActiveSheet.Range(Sheets("CalPopUp" ).Range("A7" ).Value).Select
51    End With
52 End Sub
53 Sub CalCol7()
54     With ActiveSheet.Shapes.Range(Array("CalBack" , "Settings" )).Select
55         With Selection.ShapeRange.Fill
56             .ForeColor.RGB = RGB(204, 192, 218)
57         End With
58        ActiveSheet.Range(Sheets("CalPopUp" ).Range("A7" ).Value).Select
59    End With
60 End Sub
61 Sub CalCol8()
```

1

```

1
62 With ActiveSheet.Shapes.Range(Array("CalBack" , "Settings" )).Select
63 With Selection.ShapeRange.Fill
64 .ForeColor.RGB = RGB(182, 221, 232)
65 End With
66 ActiveSheet.Range(Sheets("CalPopUp" ).Range("A7" ).Value).Select
67 End With
68 End Sub
69 Sub CalCol9()
70 With ActiveSheet.Shapes.Range(Array("CalBack" , "Settings" )).Select
71 With Selection.ShapeRange.Fill
72 .ForeColor.RGB = RGB(252, 213, 180)
73 End With
74 ActiveSheet.Range(Sheets("CalPopUp" ).Range("A7" ).Value).Select
75 End With
76 End Sub
77 Sub CalendarHide()
78 Dim DayNum As Long
79 'Hide Calendar, Reset Day Colors
80 On Error GoTo NoCal
81 ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
82 Sheets("CalPopUp" ).Range("A7" ).Value = ""
83 If Sheets("CalPopUp" ).Range("A20" ).Value <> Empty Then
84 For DayNum = 1 To 42
85 DayName = DayNum & "Day"
86 With ActiveSheet.Shapes(DayName)
87 .Fill.ForeColor.RGB = RGB(255, 255, 255)
88 .TextFrame2.TextRange.Font.Bold = msoFalse
89 End With
90 Next DayNum
91 End If
92 Exit Sub
93 NoCal: 'If calendar has been removed by accident, paste in backup calendar from CalPopUp
Sheet
94 End Sub
95
96 Sub CalendarShow()
97 With ActiveSheet
98 Set SelCell = Selection
99 'Check if active cell is a valid date
100 If IsDate(SelCell.Value) = True Then
101 Sheets("CalPopUp" ).Range("A1" ).Value = SelCell.Value
102 Else: 'If No Date or incorrect Date user current date
103 Sheets("CalPopUp" ).Range("A1" ).Value = "=Today()"
104 End If
105 Sheets("CalPopUp" ).Range("A3" ).Value = Month(Sheets("CalPopUp" ).Range("A1" ).Value)
'Set Month
106 Sheets("CalPopUp" ).Range("A2" ).Value = Year(Sheets("CalPopUp" ).Range("A1" ).Value)
'Set Year
107 DayName = Sheets("CalPopUp" ).Range("A20" ).Value & "Day"
108 UngroupCal
109 If InStr(.Shapes("NextTri" ).OnAction, "!" ) <> 0 Or InStr(.Shapes("1Day" ).
DrawingObject.Formula, "]" ) <> 0 Then 'Run Workbook Link Remover and Cell Link
Replacement
110 MacroLinkRemover
111 CalFormulaReplacement
112 End If
113 GroupCal
114 On Error GoTo NoCal
115 With ActiveSheet.Shapes(DayName)
116 .Fill.ForeColor.RGB = RGB(252, 213, 180)
117 .TextFrame2.TextRange.Font.Bold = msoTrue

```

1 2 3

```

1 2 3
118 End With
119 On Error GoTo NoCal
120 .Shapes("Calendar").Visible = msoCTrue
121 .Shapes.Range(Array("Settings", "CalCol1", "CalCol2", "CalCol3", "CalCol4",
122 "CalCol5", "CalCol6", "CalCol7", "CalCol8", "CalCol9")).Visible = False
123 .Shapes("Calendar").Left = SelCell.Left
124 .Shapes("Calendar").Top = SelCell.Offset(1, 0).Top
125 If Sheets("CalPopUp").Range("A6").Value > 0 Then
126 .Shapes.Range(Array("36Day", "37Day", "38Day", "39Day", "40Day", "41Day",
127 "42Day")).Visible = True
128 Else:
129 .Shapes.Range(Array("36Day", "37Day", "38Day", "39Day", "40Day", "41Day",
130 "42Day")).Visible = False
131 End If
132 Sheets("CalPopUp").Range("A7").Value = SelCell.Address
133 ActiveCell.Select
134 End With
135 Exit Sub
136 NoCal:
137 MsgBox "The Pop-up Calendar does not exist on this worksheet. Please copy the calendar
138 over from another sheet and paste into this sheet"
139 End Sub
140 Sub CalFormulaReplacement()
141 With ActiveSheet
142 Dim DayNum, ColNum, RowNum As Long
143 Dim Shp As Shape
144 ColNum = 2
145 RowNum = 1
146 For DayNum = 1 To 42
147 .Shapes(DayNum & "Day").DrawingObject.Formula = "=CalPopUp!" & .Cells(RowNum,
148 ColNum).Address
149 ColNum = ColNum + 1
150 If ColNum = 9 Then
151 ColNum = 2
152 RowNum = RowNum + 1
153 End If
154 Next DayNum
155 .Shapes("MonthYear").DrawingObject.Formula = "=CalPopUp!$A$5"
156 End With
157 End Sub
158 Sub CheckForSheet()
159 'Checks for existence of Calendar Pop-up Worksheet
160 Dim ws As Worksheet
161 On Error GoTo CreateWS
162 Set ws = ActiveWorkbook.Sheets("CalPopUp")
163 Exit Sub
164 CreateWS:
165 CreateCalSht
166 End Sub
167 'Create Calendar Sheet on First Run of Calendar
168 Sub CreateCalSht()
169 Dim ColCnt, RowCnt, DayCnt, CalCol As Long
170 Dim ws, ActSht As Worksheet
171 Set ActSht = ActiveSheet
172 'On Error GoTo NoCal
173 ActiveSheet.Shapes("Calendar").Copy
174 Set ws = ThisWorkbook.Sheets.Add(After:=ThisWorkbook.Sheets(ThisWorkbook.Sheets.Count))
175 ws.Name = "CalPopUp"
176 ActSht.Activate

```

1

```

174
175 'Reassign Shape Links & Macros
176 With ActiveSheet
177     UnGroupCal
178     '.Unprotect
179     .Shapes("NextRec" ).OnAction = "" & ActiveWorkbook.Name & "!NextMonth"
180     .Shapes("NextTri" ).OnAction = "" & ActiveWorkbook.Name & "!NextMonth"
181     .Shapes("PrevRec" ).OnAction = "" & ActiveWorkbook.Name & "!PrevMonth"
182     .Shapes("PrevTri" ).OnAction = "" & ActiveWorkbook.Name & "!PrevMonth"
183     .Shapes("SetBtn" ).OnAction = "" & ActiveWorkbook.Name & "!ShowSettings"
184     .Shapes("MonthYear" ).DrawingObject.Formula = "=CalPopUp!A5"
185     DayCnt = 1
186     For RowCnt = 1 To 6
187         For ColCnt = 2 To 8
188             .Shapes(DayCnt & "Day" ).DrawingObject.Formula = "=CalPopUp!" & .Cells(RowCnt,
189             ColCnt).Address 'Assigned Linked Cell
190             .Shapes(DayCnt & "Day" ).OnAction = "" & ActiveWorkbook.Name & "!DayBtn" &
191             DayCnt 'Assign Macro
192             DayCnt = DayCnt + 1
193         Next ColCnt
194     Next RowCnt
195
196 'Assign Color Macros
197 For CalCol = 1 To 9
198     .Shapes("CalCol" & CalCol).OnAction = "" & ActiveWorkbook.Name & "!CalCol" &
199     CalCol
200 Next CalCol
201 End With
202
203 With Sheets("CalPopUp" )
204     .Paste
205     .Visible = xlSheetHidden
206
207 'Add in Formulas and Details
208 .Range("A4" ).Value = "=INDEX(CalMonths,A3,)"
209 .Range("A5" ).Value = "=A4&" & Chr(34) & " " & Chr(34) & "&CalYear"
210 .Range("A6" ).Value = "=SUM(B6:H6)"
211 .Range("A8" ).Value = "January"
212 .Range("A8" ).AutoFill Destination:=.Range("A8:A19" ), Type:=xlFillDefault
213 .Range("A20" ).Value =
214 "=IFERROR(INDIRECT(ADDRESS(SUMPRODUCT((B1:H6=A1)*ROW(B1:H6))+6,SUMPRODUCT((B1:H6=A1)*COL
215 UMN(B1:H6)),1,1)),)" & Chr(34) & Chr(34) & ""
216 'Set Defined Names
217 ActiveWorkbook.Names.Add Name:="CalMonths" , RefersTo:="=CalPopUp!$A$8:$A$19"
218 ActiveWorkbook.Names.Add Name:="CalYear" , RefersTo:="=CalPopUp!$A$2"
219
220 'Add in Calendar Formulas
221 .Range("B1" ).Value =
222 "=IF(WEEKDAY(DATE(CalYear,MATCH($A$4,CalMonths,0),1))=1,DATE(CalYear,MATCH($A$4,CalMonth
223 s,0),1)," & Chr(34) & Chr(34) & ""
224 .Range("C1" ).Value = "=IF(B1<>" & Chr(34) & Chr(34) &
225 ",B1+1,IF(WEEKDAY(DATE(CalYear,MATCH($A$4,CalMonths,0),1))=2,DATE(CalYear,MATCH($A$4,Cal
226 Months,0),1)," & Chr(34) & Chr(34) & ""
227 .Range("D1" ).Value = "=IF(C1<>" & Chr(34) & Chr(34) &
228 ",C1+1,IF(WEEKDAY(DATE(CalYear,MATCH($A$4,CalMonths,0),1))=3,DATE(CalYear,MATCH($A$4,Cal
229 Months,0),1)," & Chr(34) & Chr(34) & ""
230 .Range("E1" ).Value = "=IF(D1<>" & Chr(34) & Chr(34) &
231 ",D1+1,IF(WEEKDAY(DATE(CalYear,MATCH($A$4,CalMonths,0),1))=4,DATE(CalYear,MATCH($A$4,Cal
232 Months,0),1)," & Chr(34) & Chr(34) & ""
233 .Range("F1" ).Value = "=IF(E1<>" & Chr(34) & Chr(34) &
234 ",E1+1,IF(WEEKDAY(DATE(CalYear,MATCH($A$4,CalMonths,0),1))=5,DATE(CalYear,MATCH($A$4,Cal

```

```

1 2
221 .Range("G1").Value = "=IF(F1<>" & Chr(34) & Chr(34) & ")"
    ",F1+1,IF(WEEKDAY(DATE(CalYear,MATCH($A$4,CalMonths,0),1))=6,DATE(CalYear,MATCH($A$4,Cal
Months,0),1)," & Chr(34) & Chr(34) & ")"
222 .Range("H1").Value = "=IF(G1<>" & Chr(34) & Chr(34) & "
    ",G1+1,IF(WEEKDAY(DATE(CalYear,MATCH($A$4,CalMonths,0),1))=7,DATE(CalYear,MATCH($A$4,Cal
Months,0),1)," & Chr(34) & Chr(34) & ")"
223 .Range("B2").Value = "=H1+1"
224 .Range("C2").Value = "=B2+1"
225 .Range("C2").AutoFill Destination:=.Range("C2:H2"), Type:=xlFillDefault
226 .Range("B2:H2").AutoFill Destination:=.Range("B2:H4"), Type:=xlFillDefault
227 .Range("B5").Value = "=IF(OR(H4=" & Chr(34) & Chr(34) & ",MONTH(H4+1)<>$A$3)," & Chr
(34) & Chr(34) & ",H4+1)"
228 .Range("C5").Value = "=IFERROR(IF(MONTH(B5+1)<>$A$3," & Chr(34) & Chr(34) & "
    ",B5+1)," & Chr(34) & Chr(34) & ")"
229 .Range("B6").Value = "=IFERROR(IF(OR(H5=" & Chr(34) & Chr(34) & "
    ",MONTH(H5+1)<>$A$3)," & Chr(34) & Chr(34) & ",H5+1)," & Chr(34) & Chr(34) & ")"
230 .Range("C6").Value = "=IFERROR(F(MONTH(I5+1)<>$A$3," & Chr(34) & Chr(34) & ",I5+1),"
    & Chr(34) & Chr(34) & ")"
231 .Range("C5:C6").AutoFill Destination:=.Range("C5:H6"), Type:=xlFillDefault
232
233 'Set format to Single Day
234 .Range("B1:H6").NumberFormat = "d"
235
236 'Add in relative Day #'s
237 .Range("B7").Value = "1"
238 .Range("C7").Value = "2"
239 .Range("B8").Value = "8"
240 .Range("C8").Value = "9"
241 .Range("B7:C8").AutoFill Destination:=.Range("B7:H8"), Type:=xlFillDefault
242 .Range("B7:H8").AutoFill Destination:=.Range("B7:H12"), Type:=xlFillDefault
243 GroupCal
244 End With
245 Exit Sub
246 NoCal:
247 MsgBox "The Pop-up Calendar does not exist on this worksheet. Please copy the calendar
    over from another sheet and paste into this sheet"
248 End Sub
249
250 .....
251 ''''Individual Day Selection Buttons
252 .....
253
254 Sub DayBtn1()
255 With Sheets("CalPopUp")
256 If .Range("B1").Value <> Empty And .Range("A7").Value <> Empty Then
257     ActiveSheet.Range(.Range("A7").Value).Value = .Range("B1").Value
258 End If
259 ActiveSheet.Shapes("Calendar").Visible = msoFalse
260 ActiveCell.Offset(0, 1).Select
261 End With
262 End Sub
263 Sub DayBtn10()
264 With Sheets("CalPopUp")
265 If .Range("D2").Value <> Empty And .Range("A7").Value <> Empty Then
266     ActiveSheet.Range(.Range("A7").Value).Value = .Range("D2").Value
267 End If
268 ActiveSheet.Shapes("Calendar").Visible = msoFalse
269 ActiveCell.Offset(0, 1).Select
270 End With
271 End Sub

```



```
272 Sub DayBtn11()  
273 With Sheets("CalPopUp" )  
274 If .Range("E2" ).Value <> Empty And .Range("A7" ).Value <> Empty Then  
275     ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("E2" ).Value  
276 End If  
277     ActiveSheet.Shapes("Calendar" ).Visible = msoFalse  
278     ActiveCell.Offset(0, 1).Select  
279 End With  
280 End Sub  
281 Sub DayBtn12()  
282 With Sheets("CalPopUp" )  
283 If .Range("F2" ).Value <> Empty And .Range("A7" ).Value <> Empty Then  
284     ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("F2" ).Value  
285 End If  
286     ActiveSheet.Shapes("Calendar" ).Visible = msoFalse  
287     ActiveCell.Offset(0, 1).Select  
288 End With  
289 End Sub  
290 Sub DayBtn13()  
291 With Sheets("CalPopUp" )  
292 If .Range("G2" ).Value <> Empty And .Range("A7" ).Value <> Empty Then  
293     ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("G2" ).Value  
294 End If  
295     ActiveSheet.Shapes("Calendar" ).Visible = msoFalse  
296     ActiveCell.Offset(0, 1).Select  
297 End With  
298 End Sub  
299 Sub DayBtn14()  
300 With Sheets("CalPopUp" )  
301 If .Range("H2" ).Value <> Empty And .Range("A7" ).Value <> Empty Then  
302     ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("H2" ).Value  
303 End If  
304     ActiveSheet.Shapes("Calendar" ).Visible = msoFalse  
305     ActiveCell.Offset(0, 1).Select  
306 End With  
307 End Sub  
308 Sub DayBtn15()  
309 With Sheets("CalPopUp" )  
310 If .Range("B3" ).Value <> Empty And .Range("A7" ).Value <> Empty Then  
311     ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("B3" ).Value  
312 End If  
313     ActiveSheet.Shapes("Calendar" ).Visible = msoFalse  
314     ActiveCell.Offset(0, 1).Select  
315 End With  
316 End Sub  
317 Sub DayBtn16()  
318 With Sheets("CalPopUp" )  
319 If .Range("C3" ).Value <> Empty And .Range("A7" ).Value <> Empty Then  
320     ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("C3" ).Value  
321 End If  
322     ActiveSheet.Shapes("Calendar" ).Visible = msoFalse  
323     ActiveCell.Offset(0, 1).Select  
324 End With  
325 End Sub  
326 Sub DayBtn17()  
327 With Sheets("CalPopUp" )  
328 If .Range("D3" ).Value <> Empty And .Range("A7" ).Value <> Empty Then  
329     ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("D3" ).Value  
330 End If  
331     ActiveSheet.Shapes("Calendar" ).Visible = msoFalse  
332     ActiveCell.Offset(0, 1).Select
```

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1 2
333 End With
334 End Sub
335 Sub DayBtn18()
336 With Sheets("CalPopUp" )
337 If .Range("E3" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
338     ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("E3" ).Value
339 End If
340 ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
341 ActiveCell.Offset(0, 1).Select
342 End With
343 End Sub
344 Sub DayBtn19()
345 With Sheets("CalPopUp" )
346 If .Range("F3" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
347     ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("F3" ).Value
348 End If
349 ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
350 ActiveCell.Offset(0, 1).Select
351 End With
352 End Sub
353 Sub DayBtn2()
354 With Sheets("CalPopUp" )
355 If .Range("C1" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
356     ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("C1" ).Value
357 End If
358 ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
359 ActiveCell.Offset(0, 1).Select
360 End With
361 End Sub
362 Sub DayBtn20()
363 With Sheets("CalPopUp" )
364 If .Range("G3" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
365     ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("G3" ).Value
366 End If
367 ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
368 ActiveCell.Offset(0, 1).Select
369 End With
370 End Sub
371 Sub DayBtn21()
372 With Sheets("CalPopUp" )
373 If .Range("H3" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
374     ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("H3" ).Value
375 End If
376 ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
377 ActiveCell.Offset(0, 1).Select
378 End With
379 End Sub
380 Sub DayBtn22()
381 With Sheets("CalPopUp" )
382 If .Range("B4" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
383     ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("B4" ).Value
384 End If
385 ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
386 ActiveCell.Offset(0, 1).Select
387 End With
388 End Sub
389 Sub DayBtn23()
390 With Sheets("CalPopUp" )
391 If .Range("C4" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
392     ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("C4" ).Value
393 End If
```

1 2

```
1 2
394 ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
395 ActiveCell.Offset(0, 1).Select
396 End With
397 End Sub
398 Sub DayBtn24()
399 With Sheets("CalPopUp" )
400 If .Range("D4" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
401 ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("D4" ).Value
402 End If
403 ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
404 ActiveCell.Offset(0, 1).Select
405 End With
406 End Sub
407 Sub DayBtn25()
408 With Sheets("CalPopUp" )
409 If .Range("E4" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
410 ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("E4" ).Value
411 End If
412 ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
413 ActiveCell.Offset(0, 1).Select
414 End With
415 End Sub
416 Sub DayBtn26()
417 With Sheets("CalPopUp" )
418 If .Range("F4" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
419 ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("F4" ).Value
420 End If
421 ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
422 ActiveCell.Offset(0, 1).Select
423 End With
424 End Sub
425 Sub DayBtn27()
426 With Sheets("CalPopUp" )
427 If .Range("G4" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
428 ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("G4" ).Value
429 End If
430 ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
431 ActiveCell.Offset(0, 1).Select
432 End With
433 End Sub
434 Sub DayBtn28()
435 With Sheets("CalPopUp" )
436 If .Range("H4" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
437 ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("H4" ).Value
438 End If
439 ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
440 ActiveCell.Offset(0, 1).Select
441 End With
442 End Sub
443 Sub DayBtn29()
444 With Sheets("CalPopUp" )
445 If .Range("B5" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
446 ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("B5" ).Value
447 End If
448 ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
449 ActiveCell.Offset(0, 1).Select
450 End With
451 End Sub
452 Sub DayBtn3()
453 With Sheets("CalPopUp" )
454 If .Range("D1" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
```

1 2 3

```
1 2 3
455     ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("D1" ).Value
456     End If
457     ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
458     ActiveCell.Offset(0, 1).Select
459     End With
460 End Sub
461 Sub DayBtn30()
462     With Sheets("CalPopUp" )
463     If .Range("C5" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
464         ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("C5" ).Value
465     End If
466     ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
467     ActiveCell.Offset(0, 1).Select
468     End With
469 End Sub
470 Sub DayBtn31()
471     With Sheets("CalPopUp" )
472     If .Range("D5" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
473         ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("D5" ).Value
474     End If
475     ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
476     ActiveCell.Offset(0, 1).Select
477     End With
478 End Sub
479 Sub DayBtn32()
480     With Sheets("CalPopUp" )
481     If .Range("E5" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
482         ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("E5" ).Value
483     End If
484     ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
485     ActiveCell.Offset(0, 1).Select
486     End With
487 End Sub
488 Sub DayBtn33()
489     With Sheets("CalPopUp" )
490     If .Range("F5" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
491         ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("F5" ).Value
492     End If
493     ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
494     ActiveCell.Offset(0, 1).Select
495     End With
496 End Sub
497 Sub DayBtn34()
498     With Sheets("CalPopUp" )
499     If .Range("G5" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
500         ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("G5" ).Value
501     End If
502     ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
503     ActiveCell.Offset(0, 1).Select
504     End With
505 End Sub
506 Sub DayBtn35()
507     With Sheets("CalPopUp" )
508     If .Range("H5" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
509         ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("H5" ).Value
510     End If
511     ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
512     ActiveCell.Offset(0, 1).Select
513     End With
514 End Sub
515 Sub DayBtn36()
1
```

```
1
516 With Sheets("CalPopUp" )
517 If .Range("B6" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
518     ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("B6" ).Value
519 End If
520     ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
521     ActiveCell.Offset(0, 1).Select
522 End With
523 End Sub
524 Sub DayBtn37()
525     With Sheets("CalPopUp" )
526     If .Range("C6" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
527         ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("C6" ).Value
528     End If
529         ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
530         ActiveCell.Offset(0, 1).Select
531     End With
532 End Sub
533 Sub DayBtn38()
534     With Sheets("CalPopUp" )
535     If .Range("D6" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
536         ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("D6" ).Value
537     End If
538         ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
539         ActiveCell.Offset(0, 1).Select
540     End With
541 End Sub
542 Sub DayBtn39()
543     With Sheets("CalPopUp" )
544     If .Range("E6" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
545         ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("E6" ).Value
546     End If
547         ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
548         ActiveCell.Offset(0, 1).Select
549     End With
550 End Sub
551 Sub DayBtn4()
552     With Sheets("CalPopUp" )
553     If .Range("E1" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
554         ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("E1" ).Value
555     End If
556         ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
557         ActiveCell.Offset(0, 1).Select
558     End With
559 End Sub
560 Sub DayBtn40()
561     With Sheets("CalPopUp" )
562     If .Range("F6" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
563         ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("F6" ).Value
564     End If
565         ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
566         ActiveCell.Offset(0, 1).Select
567     End With
568 End Sub
569 Sub DayBtn41()
570     With Sheets("CalPopUp" )
571     If .Range("G6" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
572         ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("G6" ).Value
573     End If
574         ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
575         ActiveCell.Offset(0, 1).Select
576     End With
```

1

```
1
577 End Sub
578 Sub DayBtn42()
579     With Sheets("CalPopUp" )
580         If .Range("H6" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
581             ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("H6" ).Value
582         End If
583         ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
584         ActiveCell.Offset(0, 1).Select
585     End With
586 End Sub
587 Sub DayBtn5()
588     With Sheets("CalPopUp" )
589         If .Range("F1" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
590             ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("F1" ).Value
591         End If
592         ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
593         ActiveCell.Offset(0, 1).Select
594     End With
595 End Sub
596 Sub DayBtn6()
597     With Sheets("CalPopUp" )
598         If .Range("G1" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
599             ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("G1" ).Value
600         End If
601         ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
602         ActiveCell.Offset(0, 1).Select
603     End With
604 End Sub
605 Sub DayBtn7()
606     With Sheets("CalPopUp" )
607         If .Range("H1" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
608             ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("H1" ).Value
609         End If
610         ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
611         ActiveCell.Offset(0, 1).Select
612     End With
613 End Sub
614 Sub DayBtn8()
615     With Sheets("CalPopUp" )
616         If .Range("B2" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
617             ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("B2" ).Value
618         End If
619         ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
620         ActiveCell.Offset(0, 1).Select
621     End With
622 End Sub
623 Sub DayBtn9()
624     With Sheets("CalPopUp" )
625         If .Range("C2" ).Value <> Empty And .Range("A7" ).Value <> Empty Then
626             ActiveSheet.Range(.Range("A7" ).Value).Value = .Range("C2" ).Value
627         End If
628         ActiveSheet.Shapes("Calendar" ).Visible = msoFalse
629         ActiveCell.Offset(0, 1).Select
630     End With
631 End Sub
632 Sub GroupCal()
633     ActiveSheet.Shapes.Range(Array("NextTri" , "NextRec" )).Group.Select
634     Selection.ShapeRange.Name = "NextMonth"
635     ActiveSheet.Shapes.Range(Array("PrevTri" , "PrevRec" )).Group.Select
636     Selection.ShapeRange.Name = "PrevMonth"
637     ActiveSheet.Shapes.Range(Array("Settings" , "40Day" , "41Day" , "39Day" , "38Day" _
```

1

```

1
638     , "42Day" , "37Day" , "36Day" , "CalBack" , "MonthYear" , "CalBorder" , "1Day" , _
639     "3Day" , "14Day" , "7Day" , "4Day" , "2Day" , "5Day" , "8Day" , "10Day" , "6Day" , _
640     "13Day" , "11Day" , "9Day" , "12Day" , "15Day" , "17Day" , "20Day" , "21Day" ,
    "18Day" _
641     , "16Day" , "19Day" , "22Day" , "24Day" , "26Day" , "27Day" , "25Day" , "23Day" , _
642     "28Day" , "29Day" , "31Day" , "34Day" , "35Day" , "32Day" , "30Day" , "33Day" , "Sa" ,
    _
643     "Fr" , "Th" , "We" , "Tu" , "Mo" , "Su" , "SetBtn" , "CalCol1" , "CalCol2" ,
    "CalCol3" , _
644     "CalCol4" , "CalCol5" , "CalCol6" , "CalCol7" , "CalCol8" , "CalCol9" , "PrevMonth" ,
    _
645     "NextMonth" )).Visible = msoCTrue
646     ActiveSheet.Shapes.Range(Array("Settings" , "40Day" , "41Day" , "39Day" , "38Day" _
647     , "42Day" , "37Day" , "36Day" , "CalBack" , "MonthYear" , "CalBorder" , "1Day" , _
648     "3Day" , "14Day" , "7Day" , "4Day" , "2Day" , "5Day" , "8Day" , "10Day" , "6Day" , _
649     "13Day" , "11Day" , "9Day" , "12Day" , "15Day" , "17Day" , "20Day" , "21Day" , "18Day" _
650     , "16Day" , "19Day" , "22Day" , "24Day" , "26Day" , "27Day" , "25Day" , "23Day" , _
651     "28Day" , "29Day" , "31Day" , "34Day" , "35Day" , "32Day" , "30Day" , "33Day" , "Sa" , _
652     "Fr" , "Th" , "We" , "Tu" , "Mo" , "Su" , "SetBtn" , "CalCol1" , "CalCol2" , "CalCol3" , _
    "CalCol4" , "CalCol5" , "CalCol6" , "CalCol7" , "CalCol8" , "CalCol9" , "PrevMonth" , _
653     "NextMonth" )).Select
654     Selection.ShapeRange.Group.Select
655     Selection.ShapeRange.Name = "Calendar"
656     Selection.Name = "Calendar"
657     Selection.Placement = xlMove
658     ActiveSheet.Shapes("Calendar" ).Placement = 2
659 End Sub
660
661
662
663
664
665
666
667
668
669 Sub MacroLinkRemover()
670     'PURPOSE: Remove an external workbook reference from all shapes triggering macros
671     'Source: www.ExcelForFreelancers.com
672     Dim Shp As Shape
673     Dim MacroLink, NewLink As String
674     Dim SplitLink As Variant
675
676     For Each Shp In ActiveSheet.Shapes 'Loop through each shape in worksheet
677
678         'Grab current macro link (if available)
679         On Error GoTo NextShp
680         MacroLink = Shp.OnAction
681
682         'Determine if shape was linking to a macro
683         If MacroLink <> "" And InStr(MacroLink, "!") <> 0 Then
684             'Split Macro Link at the exclamation mark (store in Array)
685             SplitLink = Split(MacroLink, "!")
686
687             'Pull text occurring after exclamation mark
688             NewLink = SplitLink(1)
689
690             'Remove any stragglng apostrophes from workbook name
691             If Right(NewLink, 1) = "'" Then
692                 NewLink = Left(NewLink, Len(NewLink) - 1)
693             End If

```

1 2 3

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1 2 3
694
695     'Apply New Link
696     Shp.OnAction = NewLink
697     End If
698     NextShp:
699     Next Shp
700 End Sub
701 Sub NextMonth()
702     'Next Month button
703     If Sheets("CalPopUp" ).Range("A20" ).Value <> Empty Then
704         DayName = Sheets("CalPopUp" ).Range("A20" ).Value & "Day"
705         With ActiveSheet.Shapes(DayName)
706             .Fill.ForeColor.RGB = RGB(255, 255, 255)
707             .TextFrame2.TextRange.Font.Bold = msoFalse
708         End With
709     End If
710     With Sheets("CalPopUp" )
711         If .Range("A3" ).Value = 12 Then
712             .Range("A3" ).Value = 1
713             .Range("A2" ).Value = .Range("A2" ).Value + 1
714         Else:
715             .Range("A3" ).Value = .Range("A3" ).Value + 1
716         End If
717         If .Range("A6" ).Value > 0 Then
718             ActiveSheet.Shapes.Range(Array("36Day" , "37Day" , "38Day" , "39Day" , "40Day" ,
719                 "41Day" , "42Day" )).Visible = True
720         Else:
721             ActiveSheet.Shapes.Range(Array("36Day" , "37Day" , "38Day" , "39Day" , "40Day" ,
722                 "41Day" , "42Day" )).Visible = False
723         End If
724     End With
725 End Sub
726 Sub PrevMonth()
727     'Previous Month Button
728     If Sheets("CalPopUp" ).Range("A20" ).Value <> Empty Then
729         DayName = Sheets("CalPopUp" ).Range("A20" ).Value & "Day"
730         With ActiveSheet.Shapes(DayName)
731             .Fill.ForeColor.RGB = RGB(255, 255, 255)
732             .TextFrame2.TextRange.Font.Bold = msoFalse
733         End With
734     End If
735     With Sheets("CalPopUp" )
736         If .Range("A3" ).Value = 1 Then
737             .Range("A3" ).Value = 12
738             .Range("A2" ).Value = .Range("A2" ).Value - 1
739         Else:
740             .Range("A3" ).Value = .Range("A3" ).Value - 1
741         End If
742         If .Range("A6" ).Value > 0 Then
743             ActiveSheet.Shapes.Range(Array("36Day" , "37Day" , "38Day" , "39Day" , "40Day" ,
744                 "41Day" , "42Day" )).Visible = True
745         Else:
746             ActiveSheet.Shapes.Range(Array("36Day" , "37Day" , "38Day" , "39Day" , "40Day" ,
747                 "41Day" , "42Day" )).Visible = False
748         End If
749     End With
750 End Sub
751 Sub ShowSettings()
752     'Show or Hide Calendar Settings Panel
753     If ActiveSheet.Shapes.Range(Array("Settings" )).Visible = True Then
754         ActiveSheet.Shapes.Range(Array("Settings" , "CalCol1" , "CalCol2" , "CalCol3" ,

```

1 2


```
1 2
"CalCol4" , "CalCol5" , "CalCol6" , "CalCol7" , "CalCol8" , "CalCol9" )).Visible =
False
751 Else:
752     ActiveSheet.Shapes.Range(Array("Settings" , "CalCol1" , "CalCol2" , "CalCol3" ,
"CalCol4" , "CalCol5" , "CalCol6" , "CalCol7" , "CalCol8" , "CalCol9" )).Visible = True
753 End If
754 End Sub
755
756 Sub UnGroupCal()
757     On Error Resume Next
758     ActiveSheet.Shapes("Calendar" ).Ungroup
759     ActiveSheet.Shapes("NextMonth" ).Ungroup
760     ActiveSheet.Shapes("PrevMonth" ).Ungroup
761     On Error GoTo 0
762 End Sub
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1  Option Explicit
2  Sub Project_CancelNew()
3      'Load The last Added Project
4      Sheet1.Range("I4" ).Value = Sheet2.Range("A9999" ).End(xlUp).Value 'Last Entered
5  End Sub
6
7  Sub Project_Load()
8      Dim ProjRow As Long
9      Dim ProjCol As Long
10     With Sheet1
11         If .Range("B4" ).Value = Empty Then
12             MsgBox "Please select a correct Project or Project #"
13             Exit Sub
14         End If
15         .Range("B2" ).Value = True 'Set Project Load To True
16         StopCalc
17
18         ProjRow = .Range("B4" ).Value 'Project Row
19         For ProjCol = 1 To 9
20             .Range(Sheet2.Cells(1, ProjCol).Value).Value = Sheet2.Cells(ProjRow, ProjCol).Value
21             'Add In Project Details
22         Next ProjCol
23
24         Project_LoadResources 'Load Assigned Resources
25         Attach_Refresh 'Load Attachments
26         Project_LoadTasks 'Load Tasks
27         .Shapes("ExistProjGrp" ).Visible = msoCTrue
28         .Shapes("NewProjGrp" ).Visible = msoFalse
29         .Range("B3" ).Value = False 'Set New Project to False
30         .Range("B2" ).Value = False 'Set Project Load To False
31     End With
32
33     ResetCalc
34 End Sub
35 Sub Project_LoadResources()
36     Dim LastResRow As Long
37     Dim LastResultRow As Long
38     With Sheet1
39         .Range("B2" ).Value = True 'Set Project Load to True
40         .Range("H6:J12" ).ClearContents
41         Sheet4.Range("H3" ).Value = .Range("I4" ).Value 'Project Number (Criteria)
42         Sheet4.Range("L3:R9999" ).ClearContents 'Clear Previous results
43         LastResRow = Sheet4.Range("A9999" ).End(xlUp).Row 'last Assigned Resource Row
44         Sheet4.Range("A2:G" & LastResRow).AdvancedFilter xlFilterCopy, CriteriaRange:=Sheet4.
45         Range("H2:H3" ), CopytoRange:=Sheet4.Range("L2:R2" ), Unique:=False
46         LastResultRow = Sheet4.Range("L999" ).End(xlUp).Row 'last Result Row
47         If LastResultRow < 3 Then GoTo NoData
48         .Range("H6:H12" ).Value = Sheet4.Range("M3:M9" ).Value 'Resource Names
49         .Range("J6:J12" ).Value = Sheet4.Range("R3:R9" ).Value 'Resource Row Numbers
50         NoData:
51         .Range("B2" ).Value = False 'Set Project Load To False
52     End With
53 End Sub
54 Sub Project_LoadTasks()
55     Dim LastTaskRow As Long
56     Dim LastResultRow As Long
57     With Sheet1
58         .Range("B2" ).Value = True 'Set Project Load to True

```

```

1 2
59 .Range("K4:P26" ).ClearContents
60 Sheet7.Range("L3" ).Value = .Range("I4" ).Value 'Project Number (Criteria)
61 Sheet7.Range("P3:V9999" ).ClearContents 'Clear Previous results
62 LastTaskRow = Sheet7.Range("A99999" ).End(xlUp).Row 'last Assigned Resource Row
63 Sheet7.Range("A2:H" & LastTaskRow).AdvancedFilter xlFilterCopy, CriteriaRange:=Sheet7.
Range("L2:M3" ), CopytoRange:=Sheet7.Range("P2:V2" ), Unique:=False
64 LastResultRow = Sheet7.Range("P999" ).End(xlUp).Row 'last Result Row
65 If LastResultRow < 3 Then GoTo NoData
66 .Range("K4:P" & LastResultRow + 1).Value = Sheet7.Range("Q3:V" & LastResultRow).Value
'Resource Names
67 NoData:
68 .Range("B2" ).Value = False 'Set Project Load To False
69 End With
70 End Sub

71
72 Sub Project_New()
73 Dim FoundDefType As Range
74 Dim FoundDefStatus As Range
75 With Sheet1
76 .Range("B2" ).Value = True 'Set Project Load To True
77 .Range("B3" ).Value = True 'Set Project New to True
78 .Range("E4,E6,E8,E10,E12,I4,H6:J12,H14,I14,D15:I17,D21:F26,K4:P26" ).ClearContents
79 Set FoundDefType = Sheet6.Range("ProjectTypeDefault" ).Find("ü" , , xlValues, xlWhole)
80 If Not FoundDefType Is Nothing Then .Range("E6" ).Value = Sheet6.Range("B" &
FoundDefType.Row).Value 'Set Defefault Project Type
81 Set FoundDefStatus = Sheet6.Range("ProjectStatusDefault" ).Find("ü" , , xlValues,
xlWhole)
82 If Not FoundDefStatus Is Nothing Then .Range("E10" ).Value = Sheet6.Range("E" &
FoundDefStatus.Row).Value 'Set Default Project Status
83 'Add in Default Types & Statuses (if any
84
85 .Shapes("ExistProjGrp" ).Visible = msoFalse
86 .Shapes("NewProjGrp" ).Visible = msoCTrue
87 On Error Resume Next
88 .Shapes("AttachThumb" ).Delete ' Remove attachment thumbnails (if any)
89 On Error GoTo 0
90 .Range("B2" ).Value = False 'Set Project Load To False
91 .Range("E4" ).Select
92 End With
93 End Sub

94
95 Sub Project_Save()
96 Dim ProjRow As Long
97 Dim ProjCol As Long
98 Dim ResRow As Long
99 Dim ProjResRow As Long
100 Dim ProjNum As String
101
102 With Sheet1
103 'Check For Required Fields
104 If .Range("E4" ).Value = Empty Or .Range("H14" ).Value = Empty Or .Range("I14" ).Value
= Empty Then
105 MsgBox "Please fill in the required fields"
106 Exit Sub
107 End If
108 StopCalc
109 .Range("B2" ).Value = True 'Set Project Load to True (So project is not loaded when
Project # is placed)
110 ProjRow = Sheet2.Range("A99999" ).End(xlUp).Row + 1 'First Available row
111 .Range("I4" ).Value = .Range("B6" ).Value 'Add in Next Project Number
112 ProjNum = .Range("I4" ).Value

```

1 2

```

1 2
113 For ProjCol = 1 To 9
114     Sheet2.Cells(ProjRow, ProjCol).Value = .Range(Sheet2.Cells(1, ProjCol).Value).Value
        'Add in Project value
115 Next ProjCol
116 Sheet2.Range("J1:K1").Copy
117 Sheet2.Range("J" & ProjRow & ":K" & ProjRow).PasteSpecial xlPasteFormulas
118 Application.CutCopyMode = False
119
120 'Save Resources
121 For ResRow = 6 To 12
122     If .Range("H" & ResRow).Value <> Empty Then
123         ProjResRow = Sheet4.Range("A9999").End(xlUp).Row + 1
124         Sheet4.Range("A" & ProjResRow).Value = ProjNum 'Project Number
125         Sheet4.Range("B" & ProjResRow).Value = .Range("H" & ResRow).Value 'Resource
            Name
126         Sheet4.Range("C" & ProjResRow).Value = "=IFERROR(INDEX(Proj_Name,MATCH(A" &
            ProjResRow & ",Proj_Numb,0),1)," & Chr(34) & Chr(34) & ")" 'Project Name
127         Sheet4.Range("D" & ProjResRow).Value = "=IFERROR(INDEX(Proj_StartDate,MATCH(A"
            & ProjResRow & ",Proj_Numb,0),1)," & Chr(34) & Chr(34) & ")" 'Start Date
            Formula
128         Sheet4.Range("E" & ProjResRow).Value = "=IFERROR(INDEX(Proj_EndDate,MATCH(A" &
            ProjResRow & ",Proj_Numb,0),1)," & Chr(34) & Chr(34) & ")" 'End Date Formula
129         Sheet4.Range("F" & ProjResRow).Value = "=IFERROR(MATCH(B" & ProjResRow &
            ",Resource_Name,0)+2," & Chr(34) & Chr(34) & ")" 'Resource Row
130         Sheet4.Range("G" & ProjResRow).Value = "=Row()"
131         .Range("J" & ResRow).Value = ProjResRow 'Set Project Resource Row
132     End If
133 Next ResRow
134
135 'Save Tasks
136 If .Range("K4").Value <> Empty Then 'There are tasks to be saved
137     Dim LastTaskRow As Long
138     Dim ProjTaskRow As Long
139     Dim TaskRow As Long
140     LastTaskRow = .Range("K27").End(xlUp).Row 'Last Task Row
141     TaskRow = Sheet7.Range("A99999").End(xlUp).Row + 1 'First Available Task Row
142     For ProjTaskRow = 4 To LastTaskRow
143         Sheet7.Range("A" & TaskRow).Value = ProjNum
144         Sheet7.Range("B" & TaskRow & ":F" & TaskRow).Value = .Range("K" & ProjTaskRow
            & ":O" & ProjTaskRow).Value 'Add in Details
145         Sheet7.Range("G" & TaskRow).Value = "=IFERROR(D" & TaskRow & "+E" & TaskRow &
            ", " & Chr(34) & Chr(34) & ")" 'Add End Date Formula
146         Sheet7.Range("H" & TaskRow).Value = "=Row()" 'Add Row Formula
147         .Range("P" & ProjTaskRow).Value = TaskRow 'Set Task Row on Project Task Row
148         TaskRow = TaskRow + 1
149     Next ProjTaskRow
150 End If
151
152 .Range("B2").Value = False 'Set Project Load To False
153 .Range("B3").Value = False 'Set New Project to False
154 .Shapes("ExistProjGrp").Visible = msoCTrue
155 .Shapes("NewProjGrp").Visible = msoFalse
156 End With
157 ProjSched_Load 'Reload Schedule
158 ResetCalc
159 End Sub

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```

1  Option Explicit
2
3  Sub Attach_Add()
4      Dim FileFldr As FileDialog
5      Dim FileName As String
6      Dim FileType As String
7      Dim AttFilePath As String
8      Dim ProjNumb As String
9      Dim AttRow As Long
10
11
12     If Sheet1.Range("B3" ).Value = True Then Project_Save 'Save Project to lock in Project
        Number
13
14     ProjNumb = Sheet1.Range("I4" ).Value 'Project Number
15
16     Set FileFldr = Application.FileDialog(msoFileDialogFilePicker)
17     With FileFldr
18         .Title = "Select file to attach"
19         .Filters.Add "All Files" , "*.*"
20         If .Show <> -1 Then GoTo NoSelection
21         AttFilePath = .SelectedItems(1) 'Get Full File Path
22         FileName = Dir(AttFilePath) 'Get File Name
23         FileType = Right(FileName, 5 - InStr(1, Right(FileName, 5), "." )) 'Get File Type
24     End With
25
26     With Sheet5
27         AttRow = .Range("A9999" ).End(xlUp).Row + 1 'First Avail. Attachment Row
28         .Range("A" & AttRow).Value = ProjNumb 'Project #
29         .Range("B" & AttRow).Value = FileName
30         .Range("C" & AttRow).Value = FileType
31         .Range("D" & AttRow).Value = AttFilePath
32         .Range("E" & AttRow).Value = "=Row()"
33     End With
34
35     Attach_Refresh 'Refresh List To Display New Attachment
36     Sheet1.Range("D21" ).Select 'Select First Item to Display Thumbnail (if any)
37     ResetCalc
38     Attach_DisplayThumbnail
39     NoSelection:
40 End Sub
41 Sub Attach_Delete()
42     Dim SelRow As Long
43     Dim AttTableRow As Long
44     With Sheet1
45         If .Range("B7" ).Value = Empty Then
46             MsgBox "Please select an attachment to delete"
47             Exit Sub
48         End If
49         SelRow = .Range("B7" ).Value 'Selected Row
50
51         If Sheet1.Range("G" & SelRow).Value = Empty Then
52             MsgBox "Please select an Attachment to delete first"
53             Exit Sub
54         End If
55
56         On Error Resume Next
57         Sheet1.Shapes("AttachThumb" ).Delete
58         On Error GoTo 0
59
60     AttTableRow = .Range("G" & SelRow).Value

```

```

1 2
61 Sheet5.Range(AttTableRow & ":" & AttTableRow).EntireRow.Delete
62 Attach_Refresh
63 Sheet1.Range("D21" ).Select
64 Attach_DisplayThumbnail
65 End With
66 End Sub
67
68
69
70 Sub Attach_DisplayThumbnail()
71 Dim AttRow As Long
72 Dim AttTableRow As Long
73 Dim FileType As String
74 Dim FilePath As String
75 Dim ThumbType As String
76 Dim ProjNumb As String
77 With Sheet1
78 On Error Resume Next
79 .Shapes("AttachThumb" ).Delete
80 On Error GoTo 0
81 If .Range("B7" ).Value = Empty Then Exit Sub 'Exit on No AttachmentRow
82 AttRow = .Range("B7" ).Value 'Set Attachment Row
83 ProjNumb = .Range("I4" ).Value 'Project Number
84 FileType = LCase(.Range("F" & AttRow).Value)
85 AttTableRow = .Range("G" & AttRow).Value 'Attachement Table Row
86 On Error GoTo NoAttach
87 FilePath = Sheet5.Range("D" & AttTableRow).Value '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 .Pictures.Insert(FilePath).Name = "AttachThumb"
91 With .Shapes("AttachThumb" )
92 .Visible = msoCTrue
93 .LockAspectRatio = True
94 .Left = Sheet1.Range("H21" ).Left
95 .Top = Sheet1.Range("H21" ).Top
96 If .Width > .Height Then .Width = 90 Else: .Height = 80
97 .IncrementLeft 3
98 .IncrementTop 2
99 End With
100 End If
101 End With
102 NoAttach:
103 End Sub
104 Sub Attach_Open()
105 With Sheet1
106 Dim SelRow As Long
107 Dim AttTableRow As Long
108 Dim FilePath As String
109
110 If .Range("B7" ).Value = Empty Then
111 MsgBox "Please select an attachment to open"
112 Exit Sub
113 End If
114
115 SelRow = .Range("B7" ).Value 'Selected Attachment Row
116 AttTableRow = .Range("G" & SelRow).Value
117 FilePath = Sheet5.Range("D" & AttTableRow).Value 'Attachment File Path
118 If Dir(FilePath) = "" Or FilePath = "" Then Exit Sub
119 ThisWorkbook.FollowHyperlink (FilePath)
120 End With

```

1


```
1
121 End Sub
122
123 Sub Attach_Refresh()
124     Dim ProjNumb As Long
125     Dim ProjAttRow As Long
126     Dim LastAttRow As Long
127     Dim LastFiltRow As Long
128     Dim FiltRow As Long
129     StopCalc
130     ProjNumb = Sheet1.Range("I4" ).Value 'Project #
131     Sheet1.Range("D21:G26" ).ClearContents 'Clear Old Attachemets
132     ProjAttRow = 21 'Set Starting Attachments Row
133     With Sheet5 'With Attachments sheet
134         .Range("I3,L3:P9999" ).ClearContents 'Clear Prev Adv. Filter
135         .Range("I3" ).Value = ProjNumb 'Set Proj. #as Filter
136         LastAttRow = .Range("A9999" ).End(xlUp).Row
137         If LastAttRow < 3 Then GoTo NoData
138         .Range("A2:E" & LastAttRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
139             "I2:I3" ), CopytoRange:=.Range("L2:P2" ), Unique:=True
140         LastFiltRow = .Range("L9999" ).End(xlUp).Row 'Last Filtered Row Results
141         If LastFiltRow < 3 Then GoTo NoData 'If no Attach. found then No Date
142         For FiltRow = LastFiltRow To 3 Step -1 'Use Reverse For next to put most recent
143             Attach. First
144             Sheet1.Range("D" & ProjAttRow & ":G" & ProjAttRow).Value = .Range("M" & FiltRow &
145                 ":P" & FiltRow).Value 'Copy Over Attachment Info
146             ProjAttRow = ProjAttRow + 1
147             If ProjAttRow = 27 Then GoTo NoData 'Exit If Table is Full
148         Next FiltRow
149     End With
150     NoData:
151     ResetCalc
152 End Sub
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xlUp, [44](#), [46](#)

```

1 Option Explicit
2 Sub NextSchedMonth()
3     With Sheet1
4         If .Range("B5" ).Value = 12 Then
5             .Range("B5" ).Value = 1
6             .Range("T2" ).Value = "January"
7             .Range("Z2" ).Value = .Range("Z2" ).Value + 1
8         Else:
9             .Range("B5" ).Value = .Range("B5" ).Value + 1
10            .Range("T2" ).Value = .Range("A" & 18 + .Range("B5" ).Value).Value
11        End If
12        ProjSched_Load
13    End With
14 End Sub
15
16
17 Sub PrevSchedMonth()
18     With Sheet1
19         If .Range("B5" ).Value = 1 Then
20             .Range("B5" ).Value = 12
21             .Range("T2" ).Value = "December"
22             .Range("Z2" ).Value = .Range("Z2" ).Value - 1
23         Else:
24             .Range("B5" ).Value = .Range("B5" ).Value - 1
25             .Range("T2" ).Value = .Range("A" & 18 + .Range("B5" ).Value).Value
26         End If
27         ProjSched_Load
28     End With
29 End Sub
30
31 Sub ProjSched_Load()
32     Dim LastProjRow As Long
33     Dim LastResultRow As Long
34     Dim ResultRow As Long
35     Dim ProjSchedRow As Long
36     Dim ProjSchedCol As Long
37     Dim LastSchedRow As Long
38     Dim SchedRow As Long
39     Dim FoundJob As Range
40     StopCalc
41     With Sheet1
42         .Range("R4:AV37" ).ClearContents 'Clear Existing Projects
43         .Range("B5" ).Value = Application.WorksheetFunction.Match(.Range("T2" ).Value, .Range(
44             "Months" ).Value, 0)
45         'Run Advanced Filter
46         Sheet4.Range("H3,L3:R999" ).ClearContents 'Clear Previous Criteria & results
47         LastProjRow = Sheet4.Range("A99999" ).End(xlUp).Row 'Last Project Row
48         Sheet4.Range("A2:G" & LastProjRow).AdvancedFilter xlFilterCopy, CriteriaRange:=Sheet4.
49             Range("I2:J3" ), CopytoRange:=Sheet4.Range("L2:R2" ), Unique:=False
50         LastResultRow = Sheet4.Range("L99999" ).End(xlUp).Row 'Last Results Row
51         If LastResultRow < 3 Then GoTo NoData
52         For ResultRow = 3 To LastResultRow
53             On Error Resume Next
54             ProjSchedRow = Sheet4.Range("Q" & ResultRow).Value + 1 'Resource Row + 1
55             ProjSchedCol = Day(Sheet4.Range("O" & ResultRow).Value) + 17 'Column Based on
56             Start Date 'Day'
57             .Cells(ProjSchedRow, ProjSchedCol).Value = Sheet4.Range("N" & ResultRow).Value
58             'Project name
59         Next ResultRow
60     NoData:
61     LastSchedRow = Sheet3.Range("A99999" ).End(xlUp).Row + 1

```

```
58     1 2 For SchedRow = 4 To LastSchedRow
59     If .Range("DN" & SchedRow).Value <> "" And .Range("R" & SchedRow).Value = Empty
60     Then 'Add Project Name on First Day of month
61     Set FoundJob = Sheet2.Range("Proj_Numb" ).Find(.Range("DL" & SchedRow).Value, ,
        xlValues, xlWhole)
62     If Not FoundJob Is Nothing Then .Range("R" & SchedRow).Value = Sheet2.Range("B"
        & FoundJob.Row).Value
63     End If
64     Next SchedRow
65     End With
66     ResetCalc
        End Sub
```

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```
1 Option Explicit
2
3 Sub HideTasks()
4     With Sheet1
5         .Shapes("ShowTasksBtn").Visible = msoCTrue
6         .Shapes("HideTasksBtn").Visible = msoFalse
7         .Range("K:P").EntireColumn.Hidden = True
8     End With
9 End Sub
10
11 Sub ShowTaskIcons()
12     With Sheet1
13         Dim TaskRow As Long
14         If .Range("B8").Value = Empty Then Exit Sub
15         TaskRow = .Range("B8").Value
16         With .Shapes("TaskGroup")
17             .Left = Sheet1.Range("P" & TaskRow).Left
18             .Top = Sheet1.Range("P" & TaskRow).Top
19             .Visible = msoCTrue
20         End With
21     End With
22 End Sub
23
24 Sub ShowTasks()
25     With Sheet1
26         .Shapes("ShowTasksBtn").Visible = msoFalse
27         .Shapes("HideTasksBtn").Visible = msoCTrue
28         .Range("K:P").EntireColumn.Hidden = False
29     End With
30 End Sub
31
32 Sub Task_Complete()
33     Dim TaskRow As Long
34     If Sheet1.Range("B8").Value <> Empty Then
35         TaskRow = Sheet1.Range("B8").Value
36         If Sheet1.Range("K" & TaskRow).Value <> Empty Then Sheet1.Range("O" & TaskRow).Value
37             = "R"
38     End If
39 End Sub
40
41 Sub Task_InProgress()
42     Dim TaskRow As Long
43     If Sheet1.Range("B8").Value <> Empty Then
44         TaskRow = Sheet1.Range("B8").Value
45         If Sheet1.Range("K" & TaskRow).Value <> Empty Then Sheet1.Range("O" & TaskRow).Value
46             = "φ"
47     End If
48 End Sub
49
50 Sub Task_Pending()
51     Dim TaskRow As Long
52     If Sheet1.Range("B8").Value <> Empty Then
53         TaskRow = Sheet1.Range("B8").Value
54         If Sheet1.Range("K" & TaskRow).Value <> Empty Then Sheet1.Range("O" & TaskRow).Value
55             = "£"
56     End If
57 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.

Thank you so much for your continued shares, likes and support. It really helps.



Excel For Freelancers