

VBA SOURCE CODE BOOK

PROJECT MANAGER PT.3 CREATE & MANAGE TASKS

Task Name	Assigned To	Start Date	Days	Status
Design	Lucy Lee	1/13/2019	1	✓
Development	Fred Fredders	1/14/2019	1	■
Deployment	Fred Fredders	1/15/2019	2	□
test	Sally Smith	1/16/2019	3	□
test	Lucy Lee	1/17/2019	1	□

Assigned To (Resource)	Task	Status
Fred Fredders	Website Build	Website Bu
Sally Smith	Website Bu	Website Bu
Lisa Leslie	New Website	Website Bu
David Davidson	New Website	Website Bu
Mark Mathers	Website Testing	Website Bu
Peter Rabbit	Site Testing	Website Bu
Charlie Brown	Site Testing	Website Bu
Lucy Lee	New Site & Design	Website Bu
Daniel Damon	Bug Fix Issues	Website Bu
George Risen	Bug Fix Issues	Website Bu
Parker Sams	Bug Fix Issues	Website Bu
Fred Smith	Bug Fix Issues	Website Bu
Test	New Website	Website Bu

File Name	File Location	Type	Preview
WeeklyValuesh	C:\Users\neilr\Dropbox		
3lphv.gif	C:\Users\neilr\Desktop		
Advanced_Dash	C:\Users\neilr\Desktop	xlsm	
1043px-Microsof	C:\Users\neilr\Desktop	png	

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How To Create & Manage Tasks In Excel [Project Manager Pt 3]



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by: *Randy Austin*

ABOUT THE AUTHOR

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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 Resouce
34        ProjResRow = Sheet4.Range("A99999" ).End(xlUp).Row + 1
35      Else: 'Existing Resource
36        ProjResRow = Range("J" & Target.Row).Value 'Get Resoure 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(D" & TaskRow & "+E" & TaskRow &
"-1," & 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_SelectionChange(ByVal Target As Range)
72 If Target.CountLarge > 1 Then Exit Sub
73 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
74 'On Selection of an attachment
75 If Not Intersect(Target, Range("D21:F26" )) Is Nothing And Range("D" & Target.Row).Value
<> Empty Then
76 Range("B7" ).Value = Target.Row
77 Attach_DisplayThumbnail
78 End If
79 'On selection of a Task
80 If Not Intersect(Target, Range("K4:O26" )) Is Nothing And Range("K" & Target.Row).Value <
> Empty Then
81 Range("B8" ).Value = Target.Row
82 ShowTaskIcons
83 Else
84 Shapes("TaskGroup" ).Visible = msoFalse
85 Range("B8" ).ClearContents
86 End If
87 End Sub

```

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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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```

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      Project #
6  End Sub
7
8  Sub Project_Load()
9      Dim ProjRow As Long
10     Dim ProjCol As Long
11     With Sheet1
12         If .Range("B4" ).Value = Empty Then
13             MsgBox "Please select a correct Project or Project #"
14             Exit Sub
15         End If
16         .Range("B2" ).Value = True 'Set Project Load To True
17         StopCalc
18
19         ProjRow = .Range("B4" ).Value 'Project Row
20         For ProjCol = 1 To 9
21             .Range(Sheet2.Cells(1, ProjCol).Value).Value = Sheet2.Cells(ProjRow, ProjCol).Value
22             'Add In Project Details
23         Next ProjCol
24
25         Project_LoadResources 'Load Assigned Resources
26         Attach_Refresh 'Load Attachments
27         Project_LoadTasks 'Load Tasks
28         .Shapes("ExistProjGrp" ).Visible = msoCTrue
29         .Shapes("NewProjGrp" ).Visible = msoFalse
30         .Range("B3" ).Value = False 'Set New Project to False
31         .Range("B2" ).Value = False 'Set Project Load To False
32     End With
33
34     ResetCalc
35 End Sub
36
37 Sub Project_LoadResources()
38     Dim LastResRow As Long
39     Dim LastResultRow As Long
40     With Sheet1
41         .Range("B2" ).Value = True 'Set Project Load to True
42         .Range("H6:J12" ).ClearContents
43         Sheet4.Range("H3" ).Value = .Range("I4" ).Value 'Project Number (Criteria)
44         Sheet4.Range("L3:R9999" ).ClearContents 'Clear Previous results
45         LastResRow = Sheet4.Range("A9999" ).End(xlUp).Row 'last Assigned Resource Row
46         Sheet4.Range("A2:G" & LastResRow).AdvancedFilter xlFilterCopy, CriteriaRange:=Sheet4.
47         Range("H2:H3" ), CopytoRange:=Sheet4.Range("L2:R2" ), Unique:=False
48         LastResultRow = Sheet4.Range("L999" ).End(xlUp).Row 'last Result Row
49         If LastResultRow < 3 Then GoTo NoData
50         .Range("H6:H12" ).Value = Sheet4.Range("M3:M9" ).Value 'Resource Names
51         .Range("J6:J12" ).Value = Sheet4.Range("R3:R9" ).Value 'Resource Row Numbers
52         NoData:
53         .Range("B2" ).Value = False 'Set Project Load To False
54     End With
55 End Sub
56
57 Sub Project_LoadTasks()
58     Dim LastTaskRow As Long
59     Dim LastResultRow As Long
60     With Sheet1
61         .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("A9999").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 With Sheet1
74 .Range("B2").Value = True 'Set Project Load To True
75 .Range("B3").Value = True 'Set Project New to True
76 .Range("E4,E6,E8,E10,E12,I4,H6:J12,H14,I14,D15:I17,D21:F26,K4:P26").ClearContents
77 .Shapes("ExistProjGrp").Visible = msoFalse
78 .Shapes("NewProjGrp").Visible = msoCTrue
79 .Range("B2").Value = False 'Set Project Load To False
80 .Range("E4").Select
81 End With
82 End Sub

83
84 Sub Project_Save()
85 Dim ProjRow As Long
86 Dim ProjCol As Long
87 Dim ResRow As Long
88 Dim ProjResRow As Long
89 Dim ProjNum As String
90
91 With Sheet1
92 'Check For Required Fields
93 If .Range("E4").Value = Empty Or .Range("H14").Value = Empty Or .Range("I14").Value
= Empty Then
94 MsgBox "Please fill in the required fields"
95 Exit Sub
96 End If
97 StopCalc
98 .Range("B2").Value = True 'Set Project Load to True (So project is not loaded when
Project # is placed)
99 ProjRow = Sheet2.Range("A9999").End(xlUp).Row + 1 'First Available row
100 .Range("I4").Value = .Range("B6").Value 'Add in Next Project Number
101 ProjNum = .Range("I4").Value
102 For ProjCol = 1 To 9
103 Sheet2.Cells(ProjRow, ProjCol).Value = .Range(Sheet2.Cells(1, ProjCol).Value).Value
'Add in Project value
104 Next ProjCol
105 Sheet2.Range("J1:K1").Copy
106 Sheet2.Range("J" & ProjRow & ":K" & ProjRow).PasteSpecial xlPasteFormulas
107 Application.CutCopyMode = False
108
109 'Save Resources
110 For ResRow = 6 To 12
111 If .Range("H" & ResRow).Value <> Empty Then
112 ProjResRow = Sheet4.Range("A9999").End(xlUp).Row + 1
113 Sheet4.Range("A" & ProjResRow).Value = ProjNum 'Project Number
114 Sheet4.Range("B" & ProjResRow).Value = .Range("H" & ResRow).Value 'Resource

```

1 2 3 4

```

1 2 3 4
Name
115 Sheet4.Range("C" & ProjResRow).Value = "=IFERROR(INDEX(Proj_Name,MATCH(A" &
ProjResRow & ",Proj_Numb,0),1)," & Chr(34) & Chr(34) & ")" 'Project Name
116 Sheet4.Range("D" & ProjResRow).Value = "=IFERROR(INDEX(Proj_StartDate,MATCH(A"
& ProjResRow & ",Proj_Numb,0),1)," & Chr(34) & Chr(34) & ")" 'Start Date
Formula
117 Sheet4.Range("E" & ProjResRow).Value = "=IFERROR(INDEX(Proj_EndDate,MATCH(A" &
ProjResRow & ",Proj_Numb,0),1)," & Chr(34) & Chr(34) & ")" 'End Date Formula
118 Sheet4.Range("F" & ProjResRow).Value = "=IFERROR(MATCH(B" & ProjResRow &
",Resource_Name,0)+2," & Chr(34) & Chr(34) & ")" 'Resource Row
119 Sheet4.Range("G" & ProjResRow).Value = "=Row()"
120 .Range("J" & ResRow).Value = ProjResRow 'Set Project Resource Row
121 End If
122 Next ResRow
123
124 'Save Tasks
125 If .Range("K4" ).Value <> Empty Then 'There are tasks to be saved
126 Dim LastTaskRow As Long
127 Dim ProjTaskRow As Long
128 Dim TaskRow As Long
129 LastTaskRow = .Range("K27" ).End(xlUp).Row 'Last Task Row
130 TaskRow = Sheet7.Range("A99999" ).End(xlUp).Row + 1 'First Available Task Row
131 For ProjTaskRow = 4 To LastTaskRow
132 Sheet7.Range("A" & TaskRow).Value = ProjNum
133 Sheet7.Range("B" & TaskRow & ":F" & TaskRow).Value = .Range("K" & ProjTaskRow
& ":O" & ProjTaskRow).Value 'Add in Details
134 Sheet7.Range("G" & TaskRow).Value = "=IFERROR(D" & TaskRow & "+E" & TaskRow &
", " & Chr(34) & Chr(34) & ")" 'Add End Date Formula
135 Sheet7.Range("H" & TaskRow).Value = "=Row()" 'Add Row Formula
136 .Range("P" & ProjTaskRow).Value = TaskRow 'Set Task Row on Project Task Row
137 TaskRow = TaskRow + 1
138 Next ProjTaskRow
139 End If
140
141 .Range("B2" ).Value = False 'Set Project Load To False
142 .Range("B3" ).Value = False 'Set New Project to False
143 .Shapes("ExistProjGrp" ).Visible = msoCTrue
144 .Shapes("NewProjGrp" ).Visible = msoFalse
145 End With
146 ProjSched_Load 'Reload Schedule
147 ResetCalc
148 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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```

1  Option Explicit
2  Sub NextMonth()
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 PrevMonth()
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("DL" & 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.



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