

# VBA SOURCE CODE BOOK

**FEATURE, FIX OR FOCUS**

**EMPLOYEE PAYROLL MANAGER**



*Excel For Freelancers*

## How To Create A COMPLETE Employee Payroll Application In Excel



**DOWNLOAD  
APPLICATION**



**VIEW  
TRAINING**

*by: Randy Austin*

# ABOUT THE AUTHOR

A 4-time Microsoft MVP & lifetime Excel enthusiast, Randy Austin founded Excel For Freelancers in 2017. Excel For Freelancers quickly became the most prominent resource Excel for developers to learn how to turn their passion for Excel into profits by building & selling their own excel-based applications for passive & recurring income.

With over 471,000 YouTube subscribers, 35,448,742 video views, 430+ comprehensive training videos, and a thriving 65,000 member Facebook community, Excel For Freelancers has positioned itself as the #1 Excel developers resource in the world.

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



[WEBSITE](#)



[YOUTUBE](#)



[FACEBOOK](#)



[TWITTER](#)



[DISCORD](#)



[INSTAGRAM](#)



[TELEGRAM](#)



[RUMBLE](#)



**Microsoft®**  
Most Valuable  
Professional



# OUR COURSES & PRODUCTS



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

[Click here to learn more](#)



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

[Click here to learn more](#)

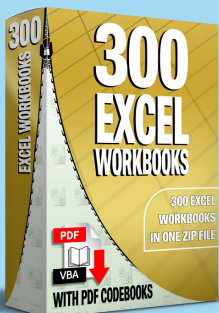
-



This incredible 13-hour freelancer masterclass will teach anyone how to be a successful freelancer with my proven 9-Phase 'Financial Freedom Roadmap' and includes 30+ downloads and exercises.

[Click here to learn more](#)

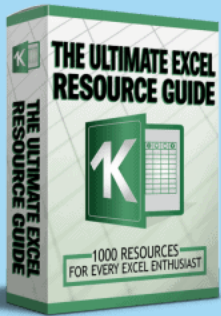
-



Incredible Package of 300 of my BEST Applications with PDF VBA Codebooks packed into a SINGLE ZIP File which also includes the "300 Workbook Library".

[Click here to learn more](#)

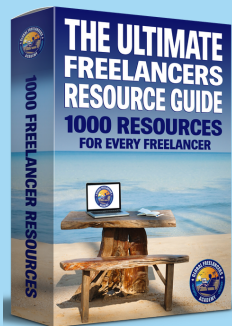
# OUR COURSES & PRODUCTS



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

[Click here to learn more](#)

-



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

[Click here to learn more](#)

-



Revolutionize the way you work with Excel and take productivity to the next level with the Excel AI Toolpack - the FIRST AI tool designed for ANY Windows Desktop version of Excel. This incredible add-in combines FIVE powerful AI tools, transforming your Excel into an intelligent powerhouse!

[Click here to learn more](#)

## Table of Contents

Projects.....	3
VBAProject.....	3
Documents.....	3
Admin.....	3
(Declarations).....	3
Employees.....	4
(Declarations).....	4
PaidEmpl.....	5
(Declarations).....	5
Payltems.....	6
(Declarations).....	6
Payroll.....	7
(Declarations).....	7
Worksheet_Change [Sub ].....	7
Worksheet_SelectionChange [Sub ].....	7
PayrollList.....	8
(Declarations).....	8
Recltems.....	9
(Declarations).....	9
ThisWorkbook.....	10
(Declarations).....	10
Timesheet.....	11
(Declarations).....	11
Forms.....	12
EmployeeFrm.....	12
(Declarations).....	12
BrowseBtn_Click [Sub ].....	12
CancelBtn_Click [Sub ].....	12
Field3_Change [Sub ].....	12
SaveBtn_Click [Sub ].....	12
RecPayltems.....	13
(Declarations).....	13
CancelBtn_Click [Sub ].....	13
Field2_Change [Sub ].....	13
SaveBtn_Click [Sub ].....	13
TimeEntryFrm.....	14
(Declarations).....	14
CancelBtn_Click [Sub ].....	14
SaveBtn_Click [Sub ].....	14
Modules.....	15
Admin_Macros.....	15
(Declarations).....	15
BrowseForPicFolder [Sub ].....	15
Employee_Macros.....	16
(Declarations).....	16
Employee_AddNew [Sub ].....	16
Employee_AddPicture [Sub ].....	16
Employee_AddUpdatePicture [Sub ].....	16
Employee_Edit [Sub ].....	16
Employee_SaveUpdate [Sub ].....	17
PayEmployee_Macros.....	18
(Declarations).....	18
PayEmpl_Load [Sub ].....	18
PayEmpl_LoadPayltems [Sub ].....	18
PayEmpl_LoadTimesheetEntries [Sub ].....	21
PayEmpl_Previous [Sub ].....	21
PayEmpl_SaveNext [Sub ].....	22
Payroll_Macros.....	25
(Declarations).....	25
Payroll_AddAllEmployees [Sub ].....	25
Payroll_AddNew [Sub ].....	25
Payroll_LoadList [Sub ].....	25
Payroll_LoadPayroll [Sub ].....	26
Payroll_SaveUpdate [Sub ].....	27
PrintPayStub [Sub ].....	27
RecPayltem_Macros.....	29

## Table of Contents

---

(Declarations) .....	29
RecPayItem_Add [Sub ] .....	29
RecPayItem_Save [Sub ] .....	29
TimeEntry_Macros .....	30
(Declarations) .....	30
TimeEntry_Edit [Sub ] .....	30
TimeEntry_Save [Sub ] .....	30

1 Option Explicit

2

1 Option Explicit

2



1 Option Explicit

2

1	Option Explicit
2	

```

1 Option Explicit
2
3 Private Sub Worksheet_Change(ByVal Target As Range)
4     'On Change of Show Year, reload Payroll list
5     If Not Intersect(Target, Range("E4" )) Is Nothing And Range("E4" ).Value <> Empty
6         Then Payroll_LoadList
7
8     'On Change of Employee filters
9     If Not Intersect(Target, Range("I11,K11" )) Is Nothing Then
10        If Range("B3" ).Value <> "" Then
11            MsgBox "Please filter employees for payroll that has not been saved"
12            Exit Sub
13        End If
14        Payroll_AddAllEmployees 'Run Macro to add employess
15    End If
16 End Sub
17
18 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
19     If Target.CountLarge > 1 Then Exit Sub
20     If Shapes("EditTimeBtn" ).Visible = True Then Shapes("EditTimeBtn" ).Visible =
21         msoFalse
22     'On Payroll Selection, Load Payroll
23     If Not Intersect(Target, Range("D6:E9999" )) Is Nothing And Range("D" & Target.Row)
24         .Value <> Empty Then
25         Range("B2" ).Value = Range("C" & Target.Row).Value 'Set Payroll ID
26         Range("B5" ).Value = Target.Row 'Se Payroll Row
27         Payroll_LoadPayroll 'Run Macro To load Payroll
28     End If
29     'On Employee Selection
30     If Not Intersect(Target, Range("H13:K9999" )) Is Nothing And Range("H" & Target.Row
31         ).Value <> Empty Then
32         If Range("L" & Target.Row).Value = Empty Then
33             MsgBox "Please save the payroll before selecting any employee"
34             Exit Sub
35         End If
36         Range("B13" ).Value = Range("L" & Target.Row).Value 'Paid Empl. DB Row
37         Range("B7" ).Value = Range("F" & Target.Row).Value 'Employee ID
38         Range("B10" ).Value = Target.Row 'Set Selected Row
39         PayEmpl_Load 'Run Macro to Load Employee Pay Details
40     End If
41
42     'On Time Entry Selection
43     If Not Intersect(Target, Range("M12:R9999" )) Is Nothing And Range("M" & Target.Row
44         ).Value <> Empty Then
45         Range("B16" ).Value = Target.Row 'Set Selected row
46         Range("B17" ).Value = Range("S" & Target.Row).Value 'Set Time DB Row
47         With Shapes("EditTimeBtn" )
48             .Left = Range("S" & Target.Row).Left
49             .Top = Range("S" & Target.Row).Top
50             .Visible = msoCTrue
51         End With
52     End If
53 End Sub

```

1 Option Explicit

2

1 Option Explicit

2

1 Option Explicit

2

1 Option Explicit

2

```
1  
2 Option Explicit  
3  
4 Private Sub BrowseBtn_Click()  
5     Employee_AddPicture  
6 End Sub  
7  
8 Private Sub CancelBtn_Click()  
9     Unload Me  
10 End Sub  
11  
12 Private Sub Field3_Change()  
13     If Field3.Value = "Hourly" Then  
14         RateLbl.Caption = "Hourly Rate"  
15     Else  
16         RateLbl.Caption = "Annual Amount"  
17     End If  
18 End Sub  
19  
20  
21 Private Sub SaveBtn_Click()  
22     Employee_SaveUpdate  
23 End Sub
```



```
1 Option Explicit
2
3 Private Sub CancelBtn_Click()
4     Unload Me
5 End Sub
6
7 Private Sub Field2_Change()
8     If Me.Field2.Value = "Addition" Then
9         Me.Field3.RowSource = "AdditItems"
10    Else
11        Me.Field3.RowSource = "DeductItems"
12    End If
13    Me.Field3.Value = "" 'Clear Value
14 End Sub
15
16
17 Private Sub SaveBtn_Click()
18     RecPayItem_Save
19 End Sub
```

```
1  
2  
3 Option Explicit  
4  
5 Private Sub CancelBtn_Click()  
6     Unload Me  
7 End Sub  
8  
9  
10 Private Sub SaveBtn_Click()  
11     TimeEntry_Save  
12 End Sub  
13
```

```
1 Option Explicit
2 Dim SelRow As Long, IconName As String, PicPath As String
3
4
5 Sub BrowseForPicFolder()
6     Dim PicFolder As FileDialog
7     Set PicFolder = Application.FileDialog(msoFileDialogFolderPicker)
8     With PicFolder
9         .Title = "Browse Picture Folder"
10        .AllowMultiSelect = False
11        If .Show <> -1 Then GoTo NoSelection
12        Admin.Range("C3").Value = .SelectedItems(1)
13    End With
14    NoSelection:
15 End Sub
16
```

```

1 Option Explicit
2 Dim EmplRow As Long, SelRow As Long, EmplCol As Long
3 Dim EmplFld As Control
4
5 Sub Employee_AddNew()
6     With Payroll
7         .Range("B7,B10,N4,P4,P6,N8,P8,M12:O9999,S12:S9999").ClearContents 'Sel Selected
8         Employee Pay Details
9         EmployeeFrm.Field13.Value = True 'Active Status set to true/checked
10        EmployeeFrm.Show
11    End With
12 End Sub
13
14 Sub Employee_AddPicture()
15     Dim EmpPic As FileDialog
16     Dim PicName As String, PicPath As String, PicFolder As String
17
18     If [PictureFolder] = "" Then
19         MsgBox "Please select a folder to place your Employee Picture"
20         BrowseForPicFolder
21         If [PictureFolder] = "" Then Exit Sub
22     End If
23     PicFolder = [PictureFolder] 'Set Picture Folder
24     Set EmpPic = Application.FileDialog(msoFileDialogFilePicker)
25     With EmpPic
26         .Title = "Select Employee Picture"
27         .Filters.Add "Select Picture", "*.jpg, *.png, *.jpeg, *.gif", 1
28         If .Show <> -1 Then GoTo NoSelection
29         PicPath = .SelectedItems(1) 'Entire Picture Path
30     End With
31     PicName = Dir(PicPath) 'Set Picture Name
32     EmployeeFrm.Field12.Value = PicName 'Set Picture Name
33     'Copy Employee Picture to picture folder
34     On Error Resume Next
35     FileCopy PicPath, PicFolder & "\" & PicName
36     On Error GoTo 0
37     NoSelection:
38 End Sub
39
40 Sub Employee_AddUpdatePicture()
41     Dim PicName As String, PicFolder As String, PicPath As String
42     With Payroll
43         If .Range("B8").Value = Empty Then Exit Sub
44         EmplRow = .Range("B8").Value 'Employee Row
45         PicFolder = [PictureFolder]
46         PicName = Employees.Range("M" & EmplRow).Value 'Employee Picture
47         If PicFolder = "" Or PicName = "" Then .Shapes("EmplPic").Visible = msoFalse
48         PicPath = PicFolder & "\" & PicName
49         If Dir(PicPath, vbDirectory) = "" Then .Shapes("EmplPic").Visible = msoFalse
50         .Shapes("EmplPic").Fill.UserPicture PicPath
51         .Shapes("EmplPic").Visible = msoCTrue
52     End With
53 End Sub
54
55 Sub Employee_Edit()
56     Dim PayType As String, TypeRow As Long
57     With Payroll
58         If .Range("B8").Value = Empty Then
59             MsgBox "Please select an employee to edit)"
60             Exit Sub
61         End If
62     End With
63 End Sub

```

1 2 3

```

1 2 3
60 End If
61
62 EmplRow = .Range("B8" ).Value 'Employee Row
63 With EmployeeFrm
64     For EmplCol = 2 To 13
65         Set EmplFld = .Controls("Field" & EmplCol - 1)
66         EmplFld.Value = Employees.Cells(EmplRow, EmplCol).Value 'Add Employee Data
67     Next EmplCol
68     'Set Rate Field Label
69     If .Field3.Value = "Hourly" Then
70         .RateLbl.Caption = "Hourly Rate"
71     Else
72         .RateLbl.Caption = "Annual Amount"
73     End If
74     .Show 'Display User Form
75 End With
76 End With
77 End Sub
78 Sub Employee_SaveUpdate()
79     'Check For Required field
80     Dim EmpType As String, TypeRow As Long
81     With EmployeeFrm
82         If .Field1.Value = "" Or .Field2.Value = Empty Then
83             MsgBox "Please make sure to have both a Employee Name and Employee Type, as
84                 they are required"
85             Exit Sub
86         End If
87         If Payroll.Range("B8" ).Value = Empty Then 'New Employee
88             EmplRow = Employees.Range("A9999" ).End(xlUp).Row + 1 'First Avail. Row
89             Payroll.Range("B7" ).Value = Payroll.Range("B9" ).Value 'Next Employee ID
90             Employees.Range("A" & EmplRow).Value = Payroll.Range("B7" ).Value
91         Else 'Existing Emp.
92             EmplRow = Payroll.Range("B8" ).Value 'Employee Row
93         End If
94         For EmplCol = 2 To 13
95             Set EmplFld = .Controls("Field" & EmplCol - 1)
96             Employees.Cells(EmplRow, EmplCol).Value = EmplFld.Value
97         Next EmplCol
98         'Update Payroll Fields
99         Payroll.Range("N4" ).Value = .Field1.Value 'Employee Name
100        Payroll.Range("P4" ).Value = .Field3.Value 'Payroll Type
101        If Payroll.Range("P4" ).Value <> "Hourly" Then
102            On Error Resume Next
103            Payroll.Range("N8" ).Value = (.Field4.Value / Payroll.Range("B11" ).Value)
104            'Period Salary
105            On Error GoTo 0
106        Else 'Standard hourly
107            Payroll.Range("N8" ).Value = .Field4.Value 'Hourly Regular Rate
108            Payroll.Range("P8" ).Value = .Field5.Value 'Hourly OT Rate
109        End If
110    End With
111    EmployeeFrm.Hide 'Hide Form
112    Unload EmployeeFrm
113    Employee_AddUpdatePicture
114 End Sub

```

```

1 Option Explicit
2 Dim LastRow As Long, LastResultRow As Long, ResultRow As Long, SelRow As Long, PayRow
  As Long, LastItemRow As Long
3 Dim PayrollRow As Long, PaidEmpRow As Long, PaidItemRow As Long, PayEmpRow As Long,
  ItemDBRow As Long
4 Dim LastRecRow As Long, LastRecResultRow As Long, RecResultRow As Long, PayItemRow As
  Long
5 Dim PayItem As String
6 Dim EmplRow As Long
7
8 Sub PayEmpl_Load()
9     With Payroll
10        .Range(
11            "B16,B19,N4,P4,N6,P6,N8,P8,M12:O999,S12:S999,W12:Y22,S26:U37,W26:Y37,AA12:AB37" )
12        .ClearContents
13        If .Range("B13" ).Value = Empty Then
14            MsgBox "Please select on an Employee to load"
15            Exit Sub
16        End If
17        .Range("N6" ).Value = .Range("I4" ).Value 'Payroll Date
18        PaidEmpRow = .Range("B13" ).Value
19        If .Range("B8" ).Value = Empty Then
20            MsgBox "Please select a correct employee to load"
21            Exit Sub
22        End If
23        Application.ScreenUpdating = False
24        EmplRow = .Range("B8" ).Value 'Employee DB Row
25        .Range("N4" ).Value = PaidEmpl.Range("F" & PaidEmpRow).Value 'Employee Name
26        .Range("P4" ).Value = PaidEmpl.Range("G" & PaidEmpRow).Value 'Pay Type
27        If PaidEmpl.Range("H" & PaidEmpRow).Value = Empty Then 'Get Employee Defaults
28            If .Range("P4" ).Value = "Hourly" Then
29                .Range("N8" ).Value = Employees.Range("E" & EmplRow).Value 'Regular
30                Hourly Pay
31            Else 'Salary (based on pay Frequency)
32                On Error Resume Next
33                .Range("N8" ).Value = Employees.Range("E" & EmplRow).Value / .Range("B11"
34                    ).Value 'Pay Period Salary Amount
35                On Error GoTo 0
36            End If
37        Else 'Use Saved Values
38            .Range("N8" ).Value = PaidEmpl.Range("H" & PaidEmpRow).Value 'Saved
39            Amount/Rate
40        End If
41        If .Range("P4" ).Value = "Hourly" And PaidEmpl.Range("I" & PaidEmpRow).Value =
42            Empty Then 'Get Employee OT Rate
43            .Range("P8" ).Value = Employees.Range("F" & EmplRow).Value
44        Else 'Previously Saved
45            .Range("P8" ).Value = PaidEmpl.Range("I" & PaidEmpRow).Value 'SavedOT Rate
46        End If
47        .Range("P6" ).Value = PaidEmpl.Range("J" & PaidEmpRow).Value 'PTO Taken
48        .Range("U9" ).Copy
49        .Range("U12:U22" ).PasteSpecial xlPasteFormulas 'Re-Add in Tax Calculation
50        Formulas
51        Employee_AddUpdatePicture 'Show Picture (if any)
52        PayEmpl_LoadTimesheetEntries 'Load Timesheet Entries
53        PayEmpl_LoadPayItems 'Load Payroll Items
54        Application.ScreenUpdating = True
55    End With
56 End Sub
57 Sub PayEmpl_LoadPayItems()

```

1

```

1
51 With PayItems
52   LastRow = .Range("A99999").End(xlUp).Row
53   If LastRow < 4 Then Exit Sub
54   .Range("O3").Value = "Tax" 'Set Tax Criteria
55   .Range("A3:I" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
56     "M2:O3"), CopyToRange:=.Range("R2:U2"), Unique:=True
57   LastResultRow = .Range("R99999").End(xlUp).Row
58   If LastResultRow < 3 Then GoTo NoTaxItems
59   For ResultRow = 3 To LastResultRow
60     PayRow = .Range("U" & ResultRow)
61     Payroll.Range("T" & PayRow).Value = .Range("R" & ResultRow).Value 'Tax Item
62     Name
63     Payroll.Range("U" & PayRow).Value = .Range("S" & ResultRow).Value 'Tax
64     Deduction Amount
65     Payroll.Range("W" & PayRow).Value = .Range("T" & ResultRow).Value 'Item DB
66     Row
67   Next ResultRow
68   NoTaxItems:
69
70   'Add Other Payroll Deductions
71   .Range("O3").Value = "Deduction" 'Set Deduction Criteria
72   .Range("A3:I" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
73     "N2:O3"), CopyToRange:=.Range("X2:X2"), Unique:=True
74   .Range("A3:I" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
75     "M2:O3"), CopyToRange:=.Range("Q2:U2"), Unique:=True
76   LastResultRow = .Range("X99999").End(xlUp).Row
77   If LastResultRow < 3 Then GoTo NoDeductions
78   Payroll.Range("X12:X" & LastResultRow + 9).Value = .Range("X3:X" &
79     LastResultRow).Value 'Other Deduction Name
80   Payroll.Range("Y12:Y" & LastResultRow + 9).Value = .Range("Y3:Y" &
81     LastResultRow).Value 'Amount
82   Payroll.Range("AA12:AA" & LastResultRow + 9).Value = .Range("ZX3:Z" &
83     LastResultRow).Value 'DB Row
84   NoDeductions:
85
86   'Add Any Recurring Payroll Deductions
87   With RecItems
88     LastRecRow = .Range("A99999").End(xlUp).Row
89     If LastRecRow < 4 Then GoTo NoDedItems
90     .Range("Q3").Value = "Deduction" 'Criteria
91     .Range("A3:I" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
92     "O2:Q3"), CopyToRange:=.Range("T2:W2"), Unique:=True
93     LastRecResultRow = .Range("T99999").End(xlUp).Row
94     If LastRecResultRow < 3 Then GoTo NoDedItems
95     For RecResultRow = 3 To LastRecResultRow
96       PayItem = .Range("V" & RecResultRow).Value
97       On Error Resume Next
98       PayItemRow = 0
99       PayItemRow = Payroll.Range("X12:X22").Find(PayItem, , xlValues, xlWhole).
100      Row
101      On Error GoTo 0
102      If PayItemRow <> 0 Then 'Item Found
103        If Payroll.Range("AB" & PayItemRow).Value = "" Then 'Recurring not
104        added
105          Payroll.Range("Y" & PayItemRow).Value = .Range("W" & RecResultRow).
106          Value 'Add Amount
107          Payroll.Range("AB" & PayItemRow).Value = .Range("T" & RecResultRow)
108          .Value 'Add Recurring ID
109        End If
110      Else 'Item Not Found

```

1 2 3 4 5

```

1 2 3 4 5
97 PayItemRow = Payroll.Range("X22" ).End(xlUp).Row + 1 'First available
    Row
98 Payroll.Range("X" & PayItemRow).Value = PayItem 'Set Pay Item Name
99 Payroll.Range("Y" & PayItemRow).Value = .Range("W" & RecResultRow).
    Value 'Add Amount
100 Payroll.Range("AB" & PayItemRow).Value = .Range("T" & RecResultRow).
    Value 'Add Recurring ID
101 End If
102 Next RecResultRow
103 NoDedItems:
104 End With
105
106
107 'Add Other Payroll Additions
108 .Range("O3" ).Value = "Addition" 'Set Addition Criteria
109 .Range("A3:I" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
    "N2:O3" ), CopyToRange:=.Range("X2:X2" ), Unique:=True
110 .Range("A3:I" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
    "M2:O3" ), CopyToRange:=.Range("Q2:U2" ), Unique:=True
111 LastResultRow = .Range("X99999" ).End(xlUp).Row
112 If LastResultRow < 3 Then GoTo NoAdditions
113 Payroll.Range("X26:X" & LastResultRow + 23).Value = .Range("X3:X" &
    LastResultRow).Value 'Other Addition Name
114 Payroll.Range("Y26:Y" & LastResultRow + 23).Value = .Range("Y3:Y" &
    LastResultRow).Value 'Amount
115 Payroll.Range("AA26:AA" & LastResultRow + 23).Value = .Range("ZX3:Z" &
    LastResultRow).Value 'DB Row
116 NoAdditions:
117
118 'Add any recurring payroll Additions
119 With RecItems
120 If LastRecRow < 4 Then GoTo NoAddItems
121 .Range("Q3" ).Value = "Addition"
122 .Range("A3:I" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
    "O2:Q3" ), CopyToRange:=.Range("T2:W2" ), Unique:=True
123 LastRecResultRow = .Range("T99999" ).End(xlUp).Row
124 If LastRecResultRow < 3 Then GoTo NoAddItems
125 For RecResultRow = 3 To LastRecResultRow
126 PayItem = .Range("V" & RecResultRow).Value
127 On Error Resume Next
128 PayItemRow = 0
129 PayItemRow = Payroll.Range("X26:X36" ).Find(PayItem, , xlValues, xlWhole).
    Row
130 On Error GoTo 0
131 If PayItemRow <> 0 Then 'Item Found
132 If Payroll.Range("AB" & PayItemRow).Value = "" Then
133 Payroll.Range("Y" & PayItemRow).Value = .Range("W" & RecResultRow).
    Value 'Add Amount
134 Payroll.Range("AB" & PayItemRow).Value = .Range("T" & RecResultRow)
    .Value 'Add Recurring ID
135 End If
136 Else 'Item Not Found
137 PayItemRow = Payroll.Range("X36" ).End(xlUp).Row + 1 'First available
    Row
138 Payroll.Range("X" & PayItemRow).Value = PayItem 'Set Pay Item Name
139 Payroll.Range("Y" & PayItemRow).Value = .Range("W" & RecResultRow).
    Value 'Add Amount
140 Payroll.Range("AB" & PayItemRow).Value = .Range("T" & RecResultRow).
    Value 'Add Recurring ID
141 End If

```



```

142     Next RecResultRow
143     NoAddItems:
144 End With
145     'Add PTO Items
146     .Range("O3").Value = "PTO" 'Set PTO Criteria
147     .Range("A3:I" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
148     "N2:O3"), CopyToRange:=.Range("Q2:U2"), Unique:=True
149     LastResultRow = .Range("R99999").End(xlUp).Row
150     If LastResultRow < 3 Then GoTo NoPTOItems
151     If LastResultRow < 4 Then GoTo NoSort
152     With .Sort 'Sort PTO From Newest to Oldest
153         .SortFields.Clear
154         .SortFields.Add Key:=PayItems.Range("Q3"), SortOn:=xlSortOnValues, Order:=
155         xlDescending, DataOption:=xlSortNormal 'Sort
156     .SetRange PayItems.Range("Q3:U" & LastResultRow) 'Set Range
157     .Apply 'Apply Sort
158 End With
159     NoSort:
160     Payroll.Range("T26:T" & LastResultRow + 23).Value = .Range("R3:R" &
161     LastResultRow).Value 'PTO Dates
162     Payroll.Range("U26:U" & LastResultRow + 23).Value = .Range("S3:S" &
163     LastResultRow).Value 'PTO Day Qty
164     NoPTOItems:
165     If ActiveSheet.Name = "Payroll" Then Payroll.Range("N8").Select
166 End With
167 End Sub
168
169 Sub PayEmpl_LoadTimesheetEntries()
170     Payroll.Range("M12:O9999,S12:S9999").ClearContents 'Clear Existing Timesheet Data
171     With Timesheet
172         LastRow = .Range("A9999").End(xlUp).Row
173         If LastRow < 4 Then Exit Sub
174         .Range("A3:G" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
175         "L2:N3"), CopyToRange:=.Range("R2:U2"), Unique:=True
176         LastResultRow = .Range("R99999").End(xlUp).Row
177         If LastResultRow < 3 Then Exit Sub
178         If LastRow < 4 Then GoTo SkipSort
179         With .Sort 'Sort By Entry Date
180             .SortFields.Clear
181             .SortFields.Add Key:=Timesheet.Range("R3"), SortOn:=xlSortOnValues, Order:=
182             xlAscending, DataOption:=xlSortNormal 'Sort
183             .SetRange Timesheet.Range("R3:U" & LastResultRow) 'Set Range
184             .Apply 'Apply Sort
185         End With
186         SkipSort:
187         Payroll.Range("M12:O" & LastResultRow + 9).Value = .Range("R3:T" &
188         LastResultRow).Value 'Add Entry Date, From & To
189         Payroll.Range("S12:S" & LastResultRow + 9).Value = .Range("U3:U" &
190         LastResultRow).Value 'Add DB Row
191     End With
192 End Sub
193
194 Sub PayEmpl_Previous()
195     With Payroll
196         If .Range("B10").Value = Empty Then Exit Sub
197         SelRow = .Range("B10").Value 'Selected Row
198         If SelRow = 13 Then
199             MsgBox "You are on the first employee"
200             Exit Sub
201         Else

```

```

1 2 3
194 .Range("H" & SelRow - 1).Select
195 End If
196 End With
197 End Sub
198
199 Sub PayEmpl_SaveNext()
200 With Payroll
201 If .Range("B3" ).Value = Empty Or .Range("B8" ).Value = Empty Then
202     MsgBox "Please make sure to select or add a payroll and also select or add an
203         Employee"
204     Exit Sub
205 End If
206 SelRow = .Range("B10" ).Value 'Selected Employee Row
207 If .Range("B13" ).Value = Empty Then 'New Paid Employee DB Row
208     PaidEmpRow = PaidEmpl.Range("A99999" ).End(xlUp).Row + 1
209     .Range("B13" ).Value = PaidEmpRow 'Set DB Row
210     PaidEmpl.Range("A" & PaidEmpRow).Value = .Range("B14" ).Value 'Set Next Paid
211     ID
212     PaidEmpl.Range("Q" & PaidEmpRow).Value = "=Row()" 'Set DB Row
213 Else
214     PaidEmpRow = .Range("B13" ).Value 'Existing
215     .Range("U9" ).Copy 'Copy Tax Calc Formula
216     .Range("U12:U22" ).PasteSpecial xlPasteFormulas 'Re-Add in Tax Calculation
217     Formulas
218 End If
219 .Range("G" & SelRow).Value = Chr(254) 'Mark as paid
220 .Range("J" & SelRow).Value = .Range("V8" ).Value 'Set Gross Pay
221 .Range("K" & SelRow).Value = .Range("Z8" ).Value 'Set Net Pay
222 PaidEmpl.Range("B" & PaidEmpRow).Value = .Range("B2" ).Value 'Payroll ID
223 PaidEmpl.Range("C" & PaidEmpRow).Value = .Range("N6" ).Value 'Payroll Date
224 PaidEmpl.Range("D" & PaidEmpRow).Value = .Range("B7" ).Value 'Employee ID
225 PaidEmpl.Range("E" & PaidEmpRow).Value = Chr(254) 'Completed Status
226 PaidEmpl.Range("F" & PaidEmpRow).Value = .Range("N4" ).Value 'Employee Name
227 PaidEmpl.Range("G" & PaidEmpRow).Value = .Range("P4" ).Value 'Pay Type
228 PaidEmpl.Range("H" & PaidEmpRow).Value = .Range("N8" ).Value 'Amount/Rate
229 PaidEmpl.Range("I" & PaidEmpRow).Value = .Range("P8" ).Value 'OT Rate
230 PaidEmpl.Range("J" & PaidEmpRow).Value = .Range("P6" ).Value 'PTO Taken
231 PaidEmpl.Range("K" & PaidEmpRow).Value = .Range("V4" ).Value 'Regular Hours
232 PaidEmpl.Range("L" & PaidEmpRow).Value = .Range("V5" ).Value 'OT Hours
233 PaidEmpl.Range("M" & PaidEmpRow).Value = .Range("V6" ).Value 'Reg. Pay
234 PaidEmpl.Range("N" & PaidEmpRow).Value = .Range("V7" ).Value 'OT Pay
235 PaidEmpl.Range("O" & PaidEmpRow).Value = .Range("V8" ).Value 'Gross Pay
236 PaidEmpl.Range("P" & PaidEmpRow).Value = .Range("Z8" ).Value 'Net Pay
237
238 '''Save Pay Items
239
240 'Save/Update Tax Items
241 LastItemRow = .Range("T23" ).End(xlUp).Row
242 If LastItemRow < 12 Then GoTo NoTaxItems
243 For PaidItemRow = 12 To LastItemRow
244     If .Range("T" & PaidItemRow).Value = 0 Then Exit For
245     If .Range("W" & PaidItemRow).Value = "" Then
246         ItemDBRow = PayItems.Range("A99999" ).End(xlUp).Row + 1 'First Avail Row
247         .Range("W" & PaidItemRow).Value = ItemDBRow 'Set DB Row
248         PayItems.Range("A" & ItemDBRow).Value = .Range("B2" ).Value 'Payroll ID
249         PayItems.Range("E" & ItemDBRow).Value = "Tax" 'Set Item Type
250         PayItems.Range("H" & ItemDBRow).Value = PaidItemRow
251         PayItems.Range("I" & ItemDBRow).Value = "=Row()"
252     Else 'Previously Saved
253         ItemDBRow = .Range("W" & PaidItemRow).Value 'Existing DB Row

```

1 2 3 4

```

1 2 3 4
251 End If
252 PayItems.Range("B" & ItemDBRow).Value = .Range("N6" ).Value 'Pay Date
253 PayItems.Range("C" & ItemDBRow).Value = .Range("B7" ).Value 'Empl. ID
254 PayItems.Range("D" & ItemDBRow).Value = .Range("N4" ).Value 'Empl. Name
255 PayItems.Range("F" & ItemDBRow).Value = .Range("T" & PaidItemRow).Value
    'Tax Item Name
256 PayItems.Range("G" & ItemDBRow).Value = .Range("U" & PaidItemRow).Value
    'Tax Item Amount
257 Next PaidItemRow
258 NoTaxItems:
259
260 'Save/Update Deductions
261 LastItemRow = .Range("X23" ).End(xlUp).Row
262 If LastItemRow < 12 Then GoTo NoDeductions
263 For PaidItemRow = 12 To LastItemRow
264     If .Range("AA" & PaidItemRow).Value = "" Then
265         ItemDBRow = PayItems.Range("A99999" ).End(xlUp).Row + 1 'First Avail Row
266         .Range("AA" & PaidItemRow).Value = ItemDBRow 'Set DB Row
267         PayItems.Range("A" & ItemDBRow).Value = .Range("B2" ).Value 'Payroll ID
268         PayItems.Range("E" & ItemDBRow).Value = "Deduction" 'Set Item Type
269         PayItems.Range("H" & ItemDBRow).Value = PaidItemRow
270         PayItems.Range("I" & ItemDBRow).Value = "=Row()"
271
272     Else 'Previously Saved
273         ItemDBRow = .Range("AA" & PaidItemRow).Value 'Existing DB Row
274     End If
275     PayItems.Range("B" & ItemDBRow).Value = .Range("N6" ).Value 'Pay Date
276     PayItems.Range("C" & ItemDBRow).Value = .Range("B7" ).Value 'Empl. ID
277     PayItems.Range("D" & ItemDBRow).Value = .Range("N4" ).Value 'Empl. Name
278     PayItems.Range("F" & ItemDBRow).Value = .Range("X" & PaidItemRow).Value
        'Deduction Item Name
279     PayItems.Range("G" & ItemDBRow).Value = .Range("Y" & PaidItemRow).Value
        'Deduction Amount
280     PayItems.Range("J" & ItemDBRow).Value = .Range("AB" & PaidItemRow).Value
        'Recurring ID (If any)
281 Next PaidItemRow
282 NoDeductions:
283
284 'Save/Update Additions
285 LastItemRow = .Range("X38" ).End(xlUp).Row
286 If LastItemRow < 26 Then GoTo NoAdditions
287 For PaidItemRow = 26 To LastItemRow
288     If .Range("AA" & PaidItemRow).Value = "" Then
289         ItemDBRow = PayItems.Range("A99999" ).End(xlUp).Row + 1 'First Avail Row
290         .Range("AA" & PaidItemRow).Value = ItemDBRow 'Set DB Row
291         PayItems.Range("A" & ItemDBRow).Value = .Range("B2" ).Value 'Payroll ID
292         PayItems.Range("E" & ItemDBRow).Value = "Addition" 'Set Item Type
293         PayItems.Range("H" & ItemDBRow).Value = PaidItemRow
294         PayItems.Range("I" & ItemDBRow).Value = "=Row()"
295     Else 'Previously Saved
296         ItemDBRow = .Range("AA" & PaidItemRow).Value 'Existing DB Row
297     End If
298     PayItems.Range("B" & ItemDBRow).Value = .Range("N6" ).Value 'Pay Date
299     PayItems.Range("C" & ItemDBRow).Value = .Range("B7" ).Value 'Empl. ID
300     PayItems.Range("D" & ItemDBRow).Value = .Range("N4" ).Value 'Empl. Name
301     PayItems.Range("F" & ItemDBRow).Value = .Range("X" & PaidItemRow).Value
        'Addition Item Name
302     PayItems.Range("G" & ItemDBRow).Value = .Range("Y" & PaidItemRow).Value
        'Addition Amount
303     PayItems.Range("J" & ItemDBRow).Value = .Range("AB" & PaidItemRow).Value

```

```
1 2 3
'Recurring ID (If any)
304 Next PaidItemRow
305 NoAdditions:
306 'Save/Update PTO
307 If .Range("P6" ).Value <> Empty Then 'PTO Taken
308     If .Range("B15" ).Value = 0 Then 'New Pay Item Row
309         ItemDBRow = PayItems.Range("A99999" ).End(xlUp).Row + 1 'First Avail Row
310         PayItems.Range("A" & ItemDBRow).Value = .Range("B2" ).Value 'Payroll ID
311         PayItems.Range("E" & ItemDBRow).Value = "PTO" 'Set Item Type
312         PayItems.Range("I" & ItemDBRow).Value = "=Row()"
313     Else
314         ItemDBRow = .Range("B15" ).Value
315     End If
316     PayItems.Range("B" & ItemDBRow).Value = .Range("N6" ).Value 'Pay Date
317     PayItems.Range("C" & ItemDBRow).Value = .Range("B7" ).Value 'Empl. ID
318     PayItems.Range("D" & ItemDBRow).Value = .Range("N4" ).Value 'Empl. Name
319     PayItems.Range("F" & ItemDBRow).Value = .Range("N6" ).Value 'Pay Date (as
320     PayItems.Range("G" & ItemDBRow).Value = .Range("P6" ).Value 'PTO Qty
321 End If
322
323
324 'Load Next Employee (If available)
325 If .Range("H" & SelRow + 1).Value = "" Then
326     MsgBox "You are at the final Employee"
327     Exit Sub
328 End If
329 .Range("H" & SelRow + 1).Select 'Select to load next employee
330 End With
331 End Sub
```

```

1 Option Explicit
2 Dim LastRow As Long, LastResultRow As Long, ResultRow As Long, SelRow As Long
3 Dim PayrollRow As Long, PaidEmpRow As Long, PaidItemRow As Long, PayEmpRow As Long
4 Dim PaidEmpID As Long
5 Dim PayFreq As String
6 Dim FromDt As Date, ToDt As Date
7
8 Sub Payroll_AddAllEmployees()
9     Payroll.Range("F13:L9999").ClearContents
10    With Employees
11        LastRow = .Range("A9999").End(xlUp).Row
12        If LastRow < 4 Then Exit Sub
13        .Range("A3:O" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
14            "R2:T3" ), CopyToRange:=.Range("V2:Y2" ), Unique:=True
15        LastResultRow = .Range("V9999").End(xlUp).Row
16        If LastResultRow < 3 Then Exit Sub
17        .Range("W3:W" & LastResultRow).Value = Chr(111) 'Set Empty Checkbox
18        If LastResultRow < 4 Then GoTo NoSort 'No Sort on Single Employee
19        With .Sort
20            .SortFields.Clear
21            .SortFields.Add Key:=Employees.Range("X3" ), SortOn:=xlSortOnValues, Order:=
22                xlAscending, DataOption:=xlSortNormal 'Sort
23            .SetRange Employees.Range("V3:Y" & LastResultRow) 'Set Range
24            .Apply 'Apply Sort
25        End With
26        NoSort:
27        Payroll.Range("F13:I" & LastResultRow + 10).Value = .Range("V3:Y" &
28            LastResultRow).Value
29    End With
30 End Sub
31
32 Sub Payroll_AddNew()
33    With Payroll
34        .Range(
35            "B2,B5,B7,B10,B13,B16,B19,F13:L9999,N4,P4,N6,P6,N8,P8,M12:O999,S12:S999,W12:Y22,T2
36            6:U37,W26:Y37,AA12:AB37" ).ClearContents
37        .Range("I4" ).Value = Date 'Set Current Date Default Payroll Date
38        .Range("K4" ).Value = Admin.Range("D8" ).Value 'Set to first Payroll Status
39        .Range("I6" ).Value = .Range("B6" ).Value 'Next Payroll From Date
40        .Range("K6" ).Value = .Range("I6" ).Value + (365 / .Range("B11" ).Value) - 1
41        'Set Pay To Date
42        .Range("U9" ).Copy 'Copy Tax Formula
43        .Range("U12:U22" ).PasteSpecial xlPasteFormulas 'Paste Tax Formula
44        .Shapes("EmplPic" ).Visible = msoFalse
45        .Range("I11,K11" ).Value = "[All Types]" 'Clear Employee Filters
46        Payroll_AddAllEmployees
47    End With
48 End Sub
49
50 Sub Payroll_LoadList()
51    Payroll.Range("B5,C6:E99999" ).ClearContents 'Clear Existing PayrollList
52    With PayrollList
53        LastRow = .Range("A99999" ).End(xlUp).Row
54        If LastRow < 4 Then Exit Sub
55        .Range("A3:G" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
56            "J2:K3" ), CopyToRange:=.Range("N2:P2" ), Unique:=True
57        LastResultRow = .Range("N99999" ).End(xlUp).Row
58        If LastResultRow < 3 Then Exit Sub
59        If LastResultRow < 4 Then GoTo NoSort
60        'Sort Alphabetally
61    End With
62 End Sub

```

```

1 2
54 With .Sort
55     .SortFields.Clear
56     .SortFields.Add Key:=PayrollList.Range("O3" ), SortOn:=xlSortOnValues, Order:=
xlDescending, DataOption:=xlSortNormal 'Sort
57     .SetRange PayrollList.Range("N3:P" & LastResultRow) 'Set Range
58     .Apply 'Apply Sort
59 End With
60 NoSort:
61 Payroll.Range("C6:E" & LastResultRow + 3).Value = .Range("N3:P" & LastResultRow
).Value 'Bring Over Payroll List
62 End With
63 With Payroll
64     On Error Resume Next
65     SelRow = .Range("C6:C9999" ).Find(.Range("B2" ).Value, , xlFormulas, xlWhole).Row
66     If SelRow <> 0 And .Range("B2" ).Value <> Empty Then .Range("B5" ).Value = SelRow
'Set Selected Project Row
67     On Error GoTo 0
68 End With
69 End Sub
70 Sub Payroll_LoadPayroll()
71     With Payroll
72         .Range(
"B7,B10,B13,B16,B19,F13:L9999,N4,P4,N6,P6,N8,P8,M12:O999,S12:S999,W12:Y22,S26:U37,
W26:Y37,AA12:AA37" ).ClearContents
73     If .Range("B3" ).Value = Empty Then
74         MsgBox "Please select a correct payroll to load details"
75         Exit Sub
76     End If
77     PayrollRow = .Range("B3" ).Value
78     'Load Payroll Details
79     .Range("I4" ).Value = PayrollList.Range("B" & PayrollRow).Value 'Pay Date
80     .Range("K4" ).Value = PayrollList.Range("C" & PayrollRow).Value 'Status
81     .Range("I6" ).Value = PayrollList.Range("D" & PayrollRow).Value 'From Date
82     .Range("K6" ).Value = PayrollList.Range("E" & PayrollRow).Value 'To Date
83     With PaidEmpl
84         LastRow = .Range("A99999" ).End(xlUp).Row
85         If LastRow < 4 Then 'No Paid Employees, Add Employees From Employee List
86             Payroll_AddAllEmployees
87             Exit Sub
88         End If
89         .Range("A3:Q" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=.Range(
"V2:V3" ), CopyToRange:=.Range("AA2:AG2" ), Unique:=True
90         LastResultRow = .Range("AA99999" ).End(xlUp).Row
91         If LastResultRow < 3 Then 'No Paid Employees, Add Employees From Employee
List
92             Payroll_AddAllEmployees
93             Exit Sub
94         End If
95
96         If LastResultRow < 4 Then GoTo NoSort
97         With .Sort
98             .SortFields.Clear
99             .SortFields.Add Key:=PaidEmpl.Range("AC3" ), SortOn:=xlSortOnValues, Order:
=xlAscending, DataOption:=xlSortNormal 'Sort
100             .SetRange PaidEmpl.Range("AA3:AG" & LastResultRow) 'Set Range
101             .Apply 'Apply Sort
102         End With
103         NoSort:
104         Payroll.Range("F13:L" & LastResultRow + 10).Value = .Range("AA3:AG" &

```

1 2 3

```

1 2 3
LastResultRow).Value 'Bring Over Payroll Employees
105 End With
106 End With
107 End Sub
108 Sub Payroll_SaveUpdate()
109 With Payroll
110 If .Range("I4" ).Value = Empty Or .Range("K4" ).Value = Empty Or .Range("I6" ).
Value = Empty Or .Range("K6" ).Value = Empty Then
111 MsgBox "Please make sure to add a Payroll Date, Status as well as From and To
Dates before saving"
112 Exit Sub
113 End If
114 If .Range("B3" ).Value = Empty Then
115 PayrollRow = PayrollList.Range("A99999" ).End(xlUp).Row + 1
116 .Range("B2" ).Value = .Range("B4" ).Value 'Next Payroll ID
117 PayrollList.Range("A" & PayrollRow).Value = .Range("B2" ).Value 'Next
Payroll ID
118 Else 'Existing Payroll
119 PayrollRow = .Range("B3" ).Value 'Existing Row
120 End If
121 PayrollList.Range("B" & PayrollRow).Value = .Range("I4" ).Value 'Pay Date
122 PayrollList.Range("C" & PayrollRow).Value = .Range("K4" ).Value 'Status
123 PayrollList.Range("D" & PayrollRow).Value = .Range("I6" ).Value 'From Date
124 PayrollList.Range("E" & PayrollRow).Value = .Range("K6" ).Value 'To Date
125 PayrollList.Range("F" & PayrollRow).Value = .Range("I8" ).Value 'Gross Amount
126 PayrollList.Range("G" & PayrollRow).Value = .Range("K8" ).Value 'Net Amount
127
128 'Save/Update Paid Employees
129 LastRow = .Range("H99999" ).End(xlUp).Row 'Last Employee Row
130 If LastRow < 13 Then Exit Sub 'No Employees
131 PaidEmpID = .Range("B14" ).Value
132 For PayEmpRow = 13 To LastRow
133 If .Range("L" & PayEmpRow).Value = "" Then 'New Paid Employee
134 PaidEmpRow = PaidEmpl.Range("A99999" ).End(xlUp).Row + 1
135 PaidEmpl.Range("A" & PaidEmpRow).Value = PaidEmpID 'Set Next Paid
employee ID
136 PaidEmpl.Range("Q" & PaidEmpRow).Value = "=Row()" 'Set DB Row
137 PaidEmpID = PaidEmpID + 1 'Increment ID
138 .Range("L" & PayEmpRow).Value = PaidEmpRow 'Set Paid Emp. DB Row
139 Else 'Existing Paid Employee
140 PaidEmpRow = .Range("L" & PayEmpRow).Value 'Set Existing Row
141 End If
142 PaidEmpl.Range("B" & PaidEmpRow).Value = .Range("B2" ).Value 'Payroll ID
143 PaidEmpl.Range("C" & PaidEmpRow).Value = .Range("I4" ).Value 'Pay Date
144 PaidEmpl.Range("D" & PaidEmpRow).Value = .Range("F" & PayEmpRow).Value
'Employee ID
145 PaidEmpl.Range("E" & PaidEmpRow).Value = .Range("G" & PayEmpRow).Value
'Approved Status
146 PaidEmpl.Range("F" & PaidEmpRow).Value = .Range("H" & PayEmpRow).Value
'Empl. Name
147 PaidEmpl.Range("G" & PaidEmpRow).Value = .Range("I" & PayEmpRow).Value 'Pay
Type
148 Next PayEmpRow
149 MsgBox "Payroll Saved"
150 End With
151 Payroll_LoadList 'Reload Payroll List
152 End Sub
153
154
155 Sub PrintPayStub()
1

```

```
156 Payroll.PrintOut , , , False, True, , , , False  
157 End Sub
```



```

1 Option Explicit
2 Dim EmplRow As Long, RecRow As Long, RecCol As Long
3 Dim FrmField As Control
4 Dim RecID As String, EmplName As String, EmplID As String, ItemType As String, ItemName
  As String
5 Dim RecAmt As Double
6
7 Sub RecPayItem_Add()
8     With RecPayItems
9         .Field1.Value = Payroll.Range("N4" ).Value 'set Default Employee
10        .Show
11    End With
12 End Sub
13 Sub RecPayItem_Save()
14     'Check For Required Fields
15     With RecPayItems
16         If .Field1.Value = Empty Or .Field2.Value = Empty Or .Field3.Value = Empty Or .
  Field4.Value = Empty Or .Field5.Value = Empty Then
17             MsgBox "Please make sure to fill in all fields before saving"
18             Exit Sub
19         End If
20         RecID = Payroll.Range("B21" ).Value 'Next recurring ID
21         EmplName = .Field1.Value 'Employee Name
22         EmplID = 0 'Reset ID
23         On Error Resume Next
24         EmplRow = Employees.Range("Empl_Name" ).Find(EmplName, , xlValues, xlWhole).Row
25         On Error GoTo 0
26         If EmplRow = 0 Then
27             MsgBox "Please select a correct Employee from the drop down list"
28             Exit Sub
29         End If
30         EmplID = Employees.Range("A" & EmplRow).Value 'Employee ID
31         RecRow = RecItems.Range("A99999" ).End(xlUp).Row + 1 'First Avail. Row
32         RecItems.Range("A" & RecRow).Value = RecID 'Set Recurring ID
33         RecItems.Range("B" & RecRow).Value = EmplID 'Employee ID
34         RecItems.Range("C" & RecRow).Value = EmplName 'Employee Name
35         For RecCol = 4 To 7
36             Set FrmField = .Controls("Field" & RecCol - 2)
37             RecItems.Cells(RecRow, RecCol).Value = FrmField.Value
38         Next RecCol
39         RecItems.Range("H" & RecRow).Value = "=COUNTIF(PayItem_RecID,A" & RecRow & ")"
  'Total Completed Formula
40         RecItems.Range("I" & RecRow).Value = "=G" & RecRow & "-H" & RecRow 'Total
  Remaining Formula
41         Unload RecPayItems
42         PayEmpl_Load
43         MsgBox "Recurring Item has been added"
44     End With
45 End Sub

```

```
1 Option Explicit
2
3 Sub TimeEntry_Edit()
4     With TimeEntryFrm
5         Dim SelRow As Long
6         If Payroll.Range("B16").Value = "" Then Exit Sub 'Exit on no selected row
7         SelRow = Payroll.Range("B16").Value
8         .EmplName.Value = Payroll.Range("N4").Value 'Employee Name
9         .EntryDate.Value = Format(Payroll.Range("M" & SelRow).Value, "mm/dd/yyyy")
10        .TimeIn.Value = Format(Payroll.Range("N" & SelRow).Value, "mm/dd/yyyy hh:mm
11        AM/PM") 'Time In
12        .TimeOut.Value = Format(Payroll.Range("O" & SelRow).Value, "mm/dd/yyyy hh:mm
13        AM/PM") 'Time Out
14        .Show
15    End With
16 End Sub
17
18 Sub TimeEntry_Save()
19     Dim EntryRow As Long, EmplRow As Long
20     Dim EmplID As String, EmplName As String
21     With TimeEntryFrm
22         If Payroll.Range("B16").Value = Empty Or Payroll.Range("B17").Value = Empty
23             Then
24                 Unload TimeEntryFrm
25                 Exit Sub
26             End If
27             EntryRow = Payroll.Range("B17").Value 'Time Entry DB Row
28             EmplName = .EmplName.Value 'Employee Name
29             On Error Resume Next
30             EmplRow = Employees.Range("Empl_Name").Find(EmplName, , xlValues, xlWhole).Row
31             On Error GoTo 0
32             If EmplRow = 0 Then
33                 MsgBox "Please select a correct Employee from the drop down list"
34                 Exit Sub
35             End If
36             EmplID = Employees.Range("A" & EmplRow).Value 'Employee ID
37             Timesheet.Range("B" & EntryRow).Value = .EntryDate.Value 'Set Entry date
38             Timesheet.Range("C" & EntryRow).Value = EmplID 'Employee ID
39             Timesheet.Range("D" & EntryRow).Value = .EmplName.Value 'Employee Name
40             Timesheet.Range("E" & EntryRow).Value = .TimeIn.Value 'Time In
41             Timesheet.Range("F" & EntryRow).Value = .TimeOut.Value 'Time out
42             Unload TimeEntryFrm
43             PayEmpl_LoadTimesheetEntries 'Reload time entries
44         End With
45 End Sub
```

**A**

ActiveSheet, 21  
 Add, 16, 21, 25, 26  
 Admin, 15, 25  
 AdvancedFilter, 19-21, 25, 26  
 AllowMultiSelect, 15  
 Application, 15, 16, 18  
 Apply, 21, 25, 26

**B**

BrowseBtn\_Click, 12  
 BrowseForPicFolder, 15, 16

**C**

CancelBtn\_Click, 12-14  
 Caption, 12, 17  
 Cells, 17, 29  
 Chr, 22, 25  
 Clear, 21, 25, 26  
 ClearContents, 16, 18, 21, 25, 26  
 Control, 16, 29  
 Controls, 17, 29  
 Copy, 18, 22, 25  
 CopyToRange, 19-21, 25, 26  
 CountLarge, 7  
 CriteriaRange, 19-21, 25, 26

**D**

DataOption, 21, 25, 26  
 Dir, 16

**E**

EmplCol, 16, 17  
 EmplFld, 16, 17  
 EmplID, 29, 30  
 EmplName, 29, 30  
 Employee\_AddNew, 16  
 Employee\_AddPicture, 12, 16  
 Employee\_AddUpdatePicture, 16-18  
 Employee\_Edit, 16  
 Employee\_SaveUpdate, 12, 17  
 EmployeeFrm, 16, 17  
 Employees, 16-18, 25, 29, 30  
 EmplRow, 16-18, 29, 30  
 EmpPic, 16  
 Empty, 7, 16-18, 21, 22, 24, 26, 27, 29, 30  
 EmpType, 17  
 EntryDate, 30  
 EntryRow, 30  
 Explicit, 3-16, 18, 25, 29, 30

**F**

Field1, 17, 29  
 Field12, 16  
 Field13, 16  
 Field2, 13, 17, 29  
 Field2\_Change, 13  
 Field3, 12, 13, 17, 29  
 Field3\_Change, 12  
 Field4, 17, 29  
 Field5, 17, 29  
 FileCopy, 16  
 FileDialog, 15, 16  
 Fill, 16  
 Filters, 16  
 Find, 19, 20, 26, 29, 30  
 Format, 30  
 FrmField, 29  
 FromDt, 25

**H**

Hide, 17

**I**

IconName, 15  
 Intersect, 7  
 ItemDBRow, 18, 22-24  
 ItemName, 29  
 ItemType, 29

**K**

Key, 21, 25, 26

**L**

LastItemRow, 18, 22, 23  
 LastRecResultRow, 18-20  
 LastRecRow, 18-20  
 LastResultRow, 18-21, 25-27  
 LastRow, 18-21, 25-27  
 Left, 7

**M**

MsgBox, 7, 16-18, 21, 22, 24, 26, 27, 29, 30  
 msoCTrue, 7, 16  
 msoFalse, 7, 16, 25  
 msoFileDialogFilePicker, 16  
 msoFileDialogFolderPicker, 15

**N**

Name, 21  
 NoAddItems, 20, 21  
 NoAdditions, 20, 23, 24  
 NoDedItems, 19, 20  
 NoDeductions, 19, 23  
 NoPTOItems, 21  
 NoSelection, 15, 16  
 NoSort, 21, 25, 26  
 NoTaxItems, 19, 22, 23

**O**

Order, 21, 25, 26

**P**

PaidEmplID, 25, 27  
 PaidEmpl, 18, 22, 26, 27  
 PaidEmpRow, 18, 22, 25, 27  
 PaidItemRow, 18, 22-25  
 PasteSpecial, 18, 22, 25  
 PayEmpl\_Load, 7, 18, 29  
 PayEmpl\_LoadPayItems, 18  
 PayEmpl\_LoadTimesheetEntries, 18, 21, 30  
 PayEmpl\_Previous, 21  
 PayEmpl\_SaveNext, 22  
 PayEmpRow, 18, 25, 27  
 PayFreq, 25  
 PayItem, 18-20  
 PayItemRow, 18-20  
 PayItems, 19, 21-24  
 Payroll, 16-22, 25-30  
 Payroll\_AddAllEmployees, 7, 25, 26  
 Payroll\_AddNew, 25  
 Payroll\_LoadList, 7, 25, 27  
 Payroll\_LoadPayroll, 7, 26  
 Payroll\_SaveUpdate, 27  
 PayrollList, 25-27  
 PayrollRow, 18, 25-27  
 PayRow, 18, 19  
 PayType, 16  
 PicFolder, 15, 16

PicName, 16  
 PicPath, 15, 16  
 PictureFolder, 16  
 PrintOut, 28  
 PrintPayStub, 27

**R**

Range, 7, 15-27, 29, 30  
 RateLbl, 12, 17  
 RecAmt, 29  
 RecCol, 29  
 RecID, 29  
 RecItems, 19, 20, 29  
 RecPayItem\_Add, 29  
 RecPayItem\_Save, 13, 29  
 RecPayItems, 29  
 RecResultRow, 18-21  
 RecRow, 29  
 ResultRow, 18, 19, 25  
 Row, 7, 17, 19-27, 29, 30  
 RowSource, 13

**S**

SaveBtn\_Click, 12-14  
 ScreenUpdating, 18  
 SelectedItems, 15, 16  
 SelRow, 15, 16, 18, 21, 22, 24-26, 30  
 SetRange, 21, 25, 26  
 Shapes, 7, 16, 25  
 Show, 15-17, 29, 30  
 SkipSort, 21  
 Sort, 21, 25, 26  
 SortFields, 21, 25, 26  
 SortOn, 21, 25, 26

**T**

Target, 7  
 TimeEntry\_Edit, 30  
 TimeEntry\_Save, 14, 30  
 TimeEntryFrm, 30  
 TimeIn, 30  
 Timeout, 30  
 Timesheet, 21, 30  
 Title, 15, 16  
 ToDt, 25  
 Top, 7  
 TypeRow, 16, 17

**U**

Unique, 19-21, 25, 26  
 Unload, 12-14, 17, 29, 30  
 UserPicture, 16

**V**

Value, 7, 12, 13, 15-27, 29, 30  
 vbDirectory, 16  
 Visible, 7, 16, 25

**W**

Worksheet\_Change, 7  
 Worksheet\_SelectionChange, 7

**X**

xlAscending, 21, 25, 26  
 xlDescending, 21, 26  
 xlFilterCopy, 19-21, 25, 26  
 xlFormulas, 26  
 xlPasteFormulas, 18, 22, 25  
 xlSortNormal, 21, 25, 26  
 xlSortOnValues, 21, 25, 26

xlUp, [17](#), [19-27](#), [29](#)

xlValues, [19](#), [20](#), [29](#), [30](#)

xlWhole, [19](#), [20](#), [26](#), [29](#), [30](#)

# 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*