

# VBA SOURCE CODE BOOK

**ULTIMATE NAMED RANGES**

**ULTIMATE NAMED RANGES**

**INVOICE PAYMENTS**

Payment Date: 03/02/2018    Posting Staff: Randy Austin    Payment Type: Check    Total Invoices: 4

Invoice #: 4    Payment Amount: \$200.00    Invoice Balance: \$50.00    Total Payments: \$ 2,225.00

Customer Name: David Davidson    Payment Notes:    Total Outstanding: \$ 1,432.63

+ New Payment    Update Payment    Delete Payment

Payment Date	Posting Staff	Invoice #	Customer Name	Payment Amount	Invoice Bal.	Payment Type	Payment Notes
28/08/2017	Randy Austin	1	Austin, Randy	\$1,000.00	\$0.00	Check	
28/08/2017	Randy Austin	2	David Davidson	\$1,000.00	\$0.00	Check	
28/08/2017	Randy Austin	3	Sally Smithers	\$275.00	\$0.00	Check	Test Notes
03/02/2018	Randy Austin	4	Sally Smithers	\$200.00	\$1,225.00	Check	
03/02/2018	Randy Austin	5	David Davidson	\$1,225.00	\$0.00	Check	Test
03/02/2018	Randy Austin	4	Sally Smithers	\$500.00	\$2,343.50		
21/12/2019	Randy Austin	3	Sally Smithers	\$100.00	\$2,343.50	Cash	

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**Learn How To Master  
Named Ranges In Excel In  
Just 35 Minutes**



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*by: Randy Austin*

# 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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```
1 Option Explicit
2
3 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
4     If Target.CountLarge > 6 Then Exit Sub
5     If Not Intersect(Target, Range("E12:O999" )) Is Nothing And Range("E" & Target.Row).Value <
6         <> Empty Then
7         Range("B5" ).Value = Target.Row
8         Payment_Load
9     End If
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 Sub Delete_Hidden_Named_Ranges()
4     Dim NamedRange As Name
5     For Each NamedRange In ActiveWorkbook.Names
6         If NamedRange.Visible = False Then
7             NamedRange.Delete
8         End If
9     Next
10 End Sub
11
12 Sub Delete_Named_Range()
13     ThisWorkbook.Names("Terms").Delete
14 End Sub
15
16 Sub Find_Value_Using_Named_Ranges()
17     Dim InvRange As Range, FoundInvRange As Range
18     Dim InvNumb As String
19     Set InvRange = Sheet2.Range("Invoice_Numbers")
20     InvNumb = Sheet1.Range("Payment_InvoiceNumber").Value
21     Set FoundInvRange = InvRange.Find(InvNumb, , xlValues, xlWhole)
22     If Not FoundInvRange Is Nothing Then
23         Sheet1.Range("B8").Value = FoundInvRange.Row
24     End If
25 End Sub
26
27 Sub List_All_Named_Ranges()
28     Dim NamedRange As Name
29     Dim RowNumb As Long
30     RowNumb = 2 'Set Starting Row
31     For Each NamedRange In ActiveWorkbook.Names
32         Sheet3.Range("M" & RowNumb).Value = NamedRange.Name
33         RowNumb = RowNumb + 1
34     Next
35 End Sub
36
37 Sub NewNamedRange_WorkbookScope()
38     Sheet3.Range("B3:B13").Name = "InvDate"
39 End Sub
40
41
42 Sub NewNamedRange_WorksheetScope()
43     Sheet3.Names.Add Name:="InvDates", RefersTo:=Sheet3.Range("B3:B20")
44 End Sub
45
46
47 Sub NewNamedRange_WorksheetScope_Hidden()
48     Sheet3.Names.Add Name:="InvDates3", RefersTo:=Sheet3.Range("B3:B20"), Visible:=False
49 End Sub
50
51
52 Sub Show_All_Named_Ranges()
53     Dim NamedRange As Name
54     'Unhide all names in the currently open Excel file
55     For Each NamedRange In ActiveWorkbook.Names
56         NamedRange.Visible = True
57     Next
58 End Sub
59
60 Sub Show_Hidden_Named_Ranges()
61     Dim NamedRange As Name
```

1

```
1
62 Dim RowNumb As Long
63 RowNumb = 2 'Set Starting Row
64 For Each NamedRange In ActiveWorkbook.Names
65     If NamedRange.Visible = False Then
66         Sheet3.Range("N" & RowNumb).Value = NamedRange.Name
67         RowNumb = RowNumb + 1
68     End If
69 Next
70 End Sub
```

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```

1 Option Explicit
2 Sub Cancel_New()
3     If Sheet1.Range("E12" ).Value <> Empty Then Sheet1.Range("E9999" ).End(xlUp).Select
4     'Select Last payment in row
5 End Sub
6
7 Sub Payment_Delete()
8     Dim PayRow As Long
9     If MsgBox("Are you sure you want to delete this payment?" , vbYesNo, "Delete Payment" ) =
10     vbNo Then Exit Sub
11     If Sheet1.Range("B5" ).Value = Empty Then
12         MsgBox "Please select a payment from the table below to delete"
13     End If
14     PayRow = Sheet1.Range("B5" ).Value 'Payment Row
15     Sheet1.Range(PayRow & ":" & PayRow).EntireRow.Delete 'Delete Payment Row
16     Payment_New 'Send To Add New Mode
17 End Sub
18 Sub Payment_Load()
19     Dim PayRow As Long, PayCol As Long
20     With Sheet1
21         If .Range("B5" ).Value = Empty Then Exit Sub
22         PayRow = .Range("B5" ).Value 'Payment Row
23         For PayCol = 5 To 12
24             If PayCol <> 8 And PayCol <> 10 Then .Range(.Cells(10, PayCol).Value).Value = .Cells
25             (PayRow, PayCol).Value 'Payment Data
26         Next PayCol
27         .Range("B6" ).Value = False 'Set New Payment To False
28         .Shapes("NewPayGrp" ).Visible = msoFalse 'Hide New Payment Group buttons
29         .Shapes("ExistPayGrp" ).Visible = msoTrue 'Display Existing Payment Group
30     End With
31 End Sub
32 Sub Payment_New()
33     With Sheet1
34         .Range("I3" ).Value = Application.UserName 'Set Current username as posting staff
35         .Range("B5,F5,I5,L3,I7:L7" ).ClearContents 'Clear Fields
36         .Range("B6" ).Value = True 'Set Payment to new
37         .Range("F3" ).Value = .Range("B1" ).Value 'Current Date
38         .Shapes("NewPayGrp" ).Visible = msoTrue 'Show New Payment Group buttons
39         .Shapes("ExistPayGrp" ).Visible = msoFalse 'Hide Existing Payment Group
40         .Range("F5" ).Select
41     End With
42 End Sub
43 Sub Payment_Save()
44     Dim PayRow As Long, PayCol As Long
45     With Sheet1
46         If .Range("B6" ).Value = True Then 'New Payment
47             PayRow = .Range("E9999" ).End(xlUp).Row + 1 'First Avail. Row
48             .Range("B5" ).Value = PayRow 'UpdatePayRow
49         Else 'Existing Payment
50             PayRow = .Range("B5" ).Value 'Existing Payment Row
51         End If
52         For PayCol = 5 To 12
53             .Cells(PayRow, PayCol).Value = .Range(.Cells(10, PayCol).Value).Value 'Copy mapped
54             data to row
55         Next PayCol
56         .Range("B6" ).Value = False 'Set New Payment To False
57         .Shapes("NewPayGrp" ).Visible = msoFalse 'Hide New Payment Group buttons
58         .Shapes("ExistPayGrp" ).Visible = msoTrue 'Display Existing Payment Group
59     End With

```



58

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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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