

VBA SOURCE CODE BOOK

INVENTORY MANAGER Pt. 2

PURCHASE **SALES**

New Transaction Delete Transaction Add Picture

SALES TRANSACTION

Customer: Home Depot Transaction Date: 27/08/2018
Product #: ST201 Sales Price: \$10.00 Qty. On Hand: 35
Product Name: LADIES PERFECT T Type: Ladies Shirt
Std. Purch. Qty.: 12 Prod. Description: LADIES PERFECT T
Sales Qty.: 25 Total: \$250.00 Notes: Purchase

Trans. Type	Vendor/Customer	Trans. Date	Product #	Price	Qty	Total	Notes
Sales	LADIES ONLY T-SHIRT	15/01/2018	BA101F	\$ 15.00	10	\$ 150.00	
Purchase	Home Depot	18/01/2018	ST201	\$19.00	50	\$ 950.00	Quality Shirt Purchased
Purchase	Staples	18/01/2018	NewShirt	\$10.00	45	\$ 450.00	
Purchase	Fred Calderon	05/01/2018	BA001	\$ 15.00	12	\$ 180.00	Small Green shirt
Purchase	Drakes Curtains	27/08/2018	ST201	\$ 18.00	10	\$ 180.00	
Purchase	Target	27/08/2018	FA123r	\$ 15.00	10	\$ 150.00	
Purchase	Fred's Plumbing	27/08/2018	tersttt	\$12.00	20	\$ 240.00	Test Notes
Sales	Home Depot	27/08/2018	ST201	\$ 10.00	25	\$ 250.00	Purchase
Sales	David Freders	28/08/2018	BA103F	\$22.00	10	\$ 220.00	Testing Sales
Purchase	Target	28/08/2018	BA103F	\$22.00	100	\$ 2,200.00	Test Purchase



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Application that Tracks
Purchases, Sales AND Inventory
[Part 2]



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APPLICATION**



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by: Randy Austin

ABOUT THE AUTHOR

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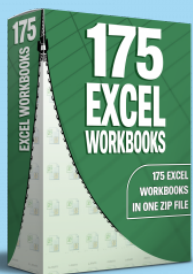
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Projects.....	2
VBAProject	2
Documents	2
Sheet1.....	2
(Declarations).....	2
Worksheet_Change [Sub].....	2
Worksheet_SelectionChange [Sub]	2
Sheet2.....	4
(Declarations).....	4
Sheet3.....	6
(Declarations).....	6
ThisWorkbook	8
(Declarations).....	8
Modules.....	10
Prod_Macros	10
(Declarations).....	10
Prod_AttachThum [Sub].....	10
Prod_DisplayThumb [Sub]	10
Prod_Load [Sub]	10
Sheet_Macros	13
(Declarations).....	13
MoveBtn [Sub]	13
ProdDetails_Hide [Sub].....	13
ProdDetails_Show [Sub]	13
Trans_Macros	15
(Declarations).....	15
Trans_CancelNew [Sub]	15
Trans_Delete [Sub]	15
Trans_Load [Sub]	15
Trans_New [Sub]	15
Trans_Save [Sub]	15

Option Explicit

```
Private Sub Worksheet_Change(ByVal Target As Range)
```

```
    Dim ProdRow As Long
```

```
    'On Transaction change, but not on Transaction Load or new transaction
```

```
    If Not Intersect(Target, Range("E5:H7,E13:K13" )) Is Nothing And Range("B4" ).Value =  
    False And Range("B3" ).Value = False Then
```

```
        On Error Resume Next
```

```
        If Range("B2" ).Value <> Empty And Cells(Target.Row, Target.Column + 10).Value <> Empty  
        Then Cells(Range("B2" ).Value, Cells(Target.Row, Target.Column + 10).Value).Value =  
        Target.Value
```

```
        On Error GoTo 0
```

```
    End If
```

```
    'On change of Product Price
```

```
    If Not Intersect(Target, Range("H7" )) Is Nothing And Range("B6" ).Value <> Empty Then  
    Sheet2.Range("F" & Range("B6" ).Value).Value = Target.Value
```

```
    'On Product Change, Load Product
```

```
    If Not Intersect(Target, Range("E7" )) Is Nothing And Range("E7" ).Value <> Empty Then
```

```
        If Range("B6" ).Value <> Empty Then
```

```
            'On change of Existing Product but not on product load
```

```
            If Range("B2" ).Value <> Empty And Range("B4" ).Value = False Then Range("G" &  
            Range("B2" ).Value).Value = Range("E7" ).Value 'Save Product # in transaction  
            Prod_Load
```

```
        Else:
```

```
            If MsgBox("This product does not currently exist. Would you like to add it now?" ,  
            vbYesNo, "Product Not Found" ) = vbYes Then
```

```
                ProdRow = Sheet2.Range("D9999" ).End(xlUp).Row + 1
```

```
                Sheet2.Range("D" & ProdRow).Value = Target.Value
```

```
                Range("B8" ).Value = True
```

```
                Sheet2.Range("H" & ProdRow).Formula = "=SUMIFS(Trans_Qty,Trans_ProdNum,D" &  
                ProdRow & ",Trans_Type," & Chr(34) & "Purchase" & Chr(34) &  
                ")-SUMIFS(Trans_Qty,Trans_ProdNum,D" & ProdRow & ",Trans_Type," & Chr(34) &  
                "Sales" & Chr(34) & ")"
```

```
                Range("H7,E9,H9,E13,H11:K11,O14" ).ClearContents
```

```
                Range("B7,B8" ).Value = False 'Set New product to False
```

```
            Else:
```

```
                Target.ClearContents
```

```
            End If
```

```
        End If
```

```
    End If
```

```
    'On Change of Existing Product, Update Product
```

```
    If Not Intersect(Target, Range("E9:H11" )) Is Nothing And Range("B7" ).Value = False And  
    Range("B8" ).Value = False And Range("B6" ).Value <> Empty Then
```

```
        ProdRow = Range("B6" ).Value
```

```
        Sheet2.Cells(ProdRow, Cells(Target.Row, Target.Column + 10).Value).Value = Target.Value
```

```
    End If
```

```
End Sub
```

```
Private Sub Worksheet_SelectionChange(ByVal Target As Range)
```

```
    If Not Intersect(Target, Range("D18:K999" )) Is Nothing And Range("D" & Target.Row).Value  
    <> Empty Then
```

```
        Trans_Load
```

```
        Range("B2" ).Value = Target.Row
```

```
    End If
```

```
End Sub
```

C

Cells, [2](#)
Chr, [2](#)
ClearContents, [2](#)
Column, [2](#)

E

Empty, [2](#)
Explicit, [2](#)

F

Formula, [2](#)

I

Intersect, [2](#)

M

MsgBox, [2](#)

P

Prod_Load, [2](#)
ProdRow, [2](#)

R

Range, [2](#)
Row, [2](#)

S

Sheet2, [2](#)

T

Target, [2](#)
Trans_Load, [2](#)

V

Value, [2](#)
vbYes, [2](#)
vbYesNo, [2](#)

W

Worksheet_Change, [2](#)
Worksheet_SelectionChange, [2](#)

X

xlUp, [2](#)

1 Option Explicit

2

E

Explicit, 4

1 Option Explicit

2

E

Explicit, 6

1 Option Explicit
2

E

Explicit, 8

```

1
2 Option Explicit
3 Dim ProdRow, ProdCol As Long
4
5
6 Sub Prod_AttachThum()
7     Dim PicFile As FileDialog
8     With Sheet1
9         Set PicFile = Application.FileDialog(msoFileDialogFilePicker)
10        With PicFile
11            .Title = "Select a Product Picture"
12            .Filters.Add "All Picture Files" , "*.jpg,*jpeg,*gif,*png,*gif,*bmp,*tiff" , 1
13            If .Show <> -1 Then GoTo NoSelection
14            Sheet1.Range("O14" ).Value = .SelectedItems(1) 'Put File name in O14
15        End With
16        'On Existing Products, Add/Update Picture Link
17        If .Range("B7" ).Value = False Then Sheet2.Range("K" & Sheet1.Range("B6" ).Value).
18        Value = .Range("O14" ).Value
19        Prod_DisplayThumb
20
21        NoSelection:
22    End With
23 End Sub
24
25 Sub Prod_DisplayThumb()
26     Dim PicPath As String
27     With Sheet1
28         On Error Resume Next
29         .Shapes("ThumbPic" ).Delete 'Delete thumbnail picture (if any)
30         On Error GoTo 0
31         PicPath = .Range("O14" ).Value 'Picture Path
32         If PicPath = Empty Then Exit Sub
33         With .Pictures.Insert(PicPath)
34             With .ShapeRange
35                 .LockAspectRatio = msoTrue
36                 .Height = 85
37                 .Name = "ThumbPic"
38             End With
39         End With
40         With .Shapes("ThumbPic" )
41             .Left = Sheet1.Range("K3" ).Left
42             .Top = Sheet1.Range("K3" ).Top
43             .IncrementLeft -50
44             .IncrementTop 17
45         End With
46     End With 'End Sheet 1
47 End Sub
48
49
50
51 Sub Prod_Load()
52     With Sheet1
53         If .Range("B6" ).Value = Empty Then Exit Sub
54         ProdRow = .Range("B6" ).Value
55         .Range("B8" ).Value = True 'Set Product Load to True
56         For ProdCol = 5 To 11
57             If ProdCol <> 8 Then .Range(Sheet2.Cells(1, ProdCol).Value).Value = Sheet2.Cells(
58             ProdRow, ProdCol).Value
59         Next ProdCol
60     End With
61     Prod_DisplayThumb

```

```
60     1 2 .Range("B8" ).Value = False
61     End With
62     End Sub
```

A

Add, [10](#)
Application, [10](#)

C

Cells, [10](#)

D

Delete, [10](#)

E

Empty, [10](#)
Explicit, [10](#)

F

FileDialog, [10](#)
Filters, [10](#)

H

Height, [10](#)

I

IncrementLeft, [10](#)
IncrementTop, [10](#)
Insert, [10](#)

L

Left, [10](#)
LockAspectRatio, [10](#)

M

msoFileDialogFilePicker, [10](#)
msoTrue, [10](#)

N

Name, [10](#)
NoSelection, [10](#)

P

PicFile, [10](#)
PicPath, [10](#)
Pictures, [10](#)
Prod_AttachThum, [10](#)
Prod_DisplayThumb, [10](#)
Prod_Load, [10](#)
ProdCol, [10](#)
ProdRow, [10](#)

R

Range, [10](#), [11](#)

S

SelectedItems, [10](#)
ShapeRange, [10](#)
Shapes, [10](#)
Sheet1, [10](#)
Sheet2, [10](#)
Show, [10](#)

T

Title, [10](#)
Top, [10](#)

V

Value, [10](#), [11](#)

Option Explicit

Sub MoveBtn() **With Sheet1**

.Range("E5").Validation.Delete

If Sheet1.Range("B1").Value = "Purchase" **Then** .Shapes("MoveBtn1").IncrementLeft 30 'NOTE: there must be a space between
 "IncrementLeft" and "30"

.Range("B1").Value = "Sales"

On Error Resume Next .Range("E5").Validation.Add xlValidateList, AlertStyle:=xlValidAlertStop, Operator:=
 xlBetween, Formula1:="=Customers" **Else:** .Shapes("MoveBtn1").IncrementLeft -30 'NOTE: there must be a space between
 "IncrementLeft" and "-30"

.Range("B1").Value = "Purchase"

On Error Resume Next .Range("E5").Validation.Add xlValidateList, AlertStyle:=xlValidAlertStop, Operator:=
 xlBetween, Formula1:="=Vendors" **End If** **If** .Range("B3").Value = **False** **And** .Range("B2").Value <> **Empty** **Then** .Range("D" & .
 Range("B2").Value).Value = .Range("B1").Value 'Set Trans Type **End With****End Sub****Sub ProdDetails_Hide()** **With Sheet1** .Range("9:12").EntireRow.Hidden = **True**

.Shapes("ViewDetBtn").Visible = msoCTrue

.Shapes("HideDetBtn").Visible = msoFalse

End With**End Sub****Sub ProdDetails_Show()** **With Sheet1** .Range("9:12").EntireRow.Hidden = **False**

.Shapes("ViewDetBtn").Visible = msoFalse

.Shapes("HideDetBtn").Visible = msoCTrue

End With**End Sub**

A

Add, [13](#)
AlertStyle, [13](#)

D

Delete, [13](#)

E

Empty, [13](#)
EntireRow, [13](#)
Explicit, [13](#)

F

Formula1, [13](#)

H

Hidden, [13](#)

I

IncrementLeft, [13](#)

M

MoveBtn, [13](#)
msoCTrue, [13](#)
msoFalse, [13](#)

O

Operator, [13](#)

P

ProdDetails_Hide, [13](#)
ProdDetails_Show, [13](#)

R

Range, [13](#)

S

Shapes, [13](#)
Sheet1, [13](#)

V

Validation, [13](#)
Value, [13](#)
Visible, [13](#)

X

xlBetween, [13](#)
xlValidAlertStop, [13](#)
xlValidateList, [13](#)

```

1 Option Explicit
2 Dim TransRow, TransCol As Long
3
4 Sub Trans_CancelNew()
5     Sheet1.Range("D18").Select
6 End Sub
7
8
9 Sub Trans_Delete()
10 With Sheet1
11     If .Range("B2").Value = Empty Then Exit Sub
12     If MsgBox("Are you sure you want to delete this transaction", vbYesNo, "Delete
13 Transaction") = vbNo Then Exit Sub
14     TransRow = .Range("B2").Value
15     .Range(TransRow & ":" & TransRow).EntireRow.Delete
16     .Range("D18").Select
17 End With
18 End Sub
19
20 Sub Trans_Load()
21 Dim PrevType As String
22 With Sheet1
23     PrevType = .Range("B1").Value
24     .Range("B4").Value = True 'Set Load Trans to True
25     TransRow = ActiveCell.Row
26     For TransCol = 4 To 11
27         If TransCol <> 10 Then .Range(.Cells(16, TransCol).Value).Value = .Cells(TransRow,
28 TransCol).Value ' Load Items
29     Next TransCol
30     If PrevType <> .Range("B1").Value Then 'Only on Change of Transaction Type
31         .Range("E5").Validation.Delete
32         If .Range("B1").Value = "Sales" Then
33             .Shapes("MoveBtn1").IncrementLeft 30 'Move Right
34             .Range("E5").Validation.Add xlValidateList, AlertStyle:=xlValidAlertStop,
35 Operator:=xlBetween, Formula1:="=Customers"
36         Else:
37             .Shapes("MoveBtn1").IncrementLeft -30 'Move Left
38             .Range("E5").Validation.Add xlValidateList, AlertStyle:=xlValidAlertStop,
39 Operator:=xlBetween, Formula1:="=Vendors"
40         End If
41     End If
42     End If
43     Prod_Load
44     .Shapes("ExistTransGrp").Visible = msoCTrue
45     .Shapes("NewTransGrp").Visible = msoFalse
46     .Range("B3,B4").Value = False 'Trans Load and New Transaction To False
47 End With
48 End Sub
49
50 Sub Trans_New()
51 With Sheet1
52     .Range("B3").Value = True 'Set Trans to New
53     .Range("B2,E5,E7,E9,E11,E13,H7,H9,H11:K11,J13:K13").ClearContents 'Clear Fields
54     .Range("H5").Value = Date 'Set Current Date
55     .Shapes("ExistTransGrp").Visible = msoFalse
56     .Shapes("NewTransGrp").Visible = msoCTrue
57     On Error Resume Next
58     .Shapes("ThumbPic").Delete 'Delete thumbnail picture (if any)
59     On Error GoTo 0
60 End With
61 End Sub
62
63 Sub Trans_Save()

```

1

```
1
58 With Sheet1
59     If .Range("E5").Value = Empty Then
60         MsgBox "Please select a Customer or Vendor for this Transaction"
61         Exit Sub
62     End If
63     TransRow = .Range("D9999").End(xlUp).Row + 1
64     For TransCol = 4 To 11
65         If TransCol <> 10 Then
66             .Cells(TransRow, TransCol).Value = .Range(.Cells(16, TransCol).Value).Value
67         Else:
68             .Cells(TransRow, TransCol).Value = "=H" & TransRow & "*I" & TransRow
69         End If
70     Next TransCol
71     .Shapes("ExistTransGrp").Visible = msoCTrue
72     .Shapes("NewTransGrp").Visible = msoFalse
73     .Range("B3").Value = False 'New Trans to False
74 End With
75 End Sub
```

A

ActiveCell, 15
Add, 15
AlertStyle, 15

C

Cells, 15, 16
ClearContents, 15

D

Delete, 15

E

Empty, 15, 16
EntireRow, 15
Explicit, 15

F

Formula1, 15

I

IncrementLeft, 15

M

MsgBox, 15, 16
msoCTrue, 15, 16
msoFalse, 15, 16

O

Operator, 15

P

PrevType, 15
Prod_Load, 15

R

Range, 15, 16
Row, 15, 16

S

Shapes, 15, 16
Sheet1, 15, 16

T

Trans_CancelNew, 15
Trans_Delete, 15
Trans_Load, 15
Trans_New, 15
Trans_Save, 15
TransCol, 15, 16
TransRow, 15, 16

V

Validation, 15
Value, 15, 16
vbNo, 15
vbYesNo, 15
Visible, 15, 16

X

xlBetween, 15
xlUp, 16
xlValidAlertStop, 15
xlValidateList, 15

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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