

# VBA SOURCE CODE BOOK



How To Create Dynamic  
Buttons To Change Themes,  
Printers & Calendars In  
Excel



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by: *Randy Austin*

# ABOUT THE AUTHOR

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Table of Contents

Projects ..... 4

  VBAProject ..... 4

    Documents ..... 4

      Sheet1 ..... 4

        (Declarations)..... 4

        HoverBlack\_Click [Sub ]..... 4

        HoverBlack\_MouseMove [Sub ] ..... 4

        HoverBlue\_Click [Sub ] ..... 4

        HoverBlue\_MouseMove [Sub ] ..... 4

        HoverGreen\_Click [Sub ] ..... 4

        HoverGreen\_MouseMove [Sub ] ..... 4

        HoverOrange\_Click [Sub ] ..... 4

        HoverOrange\_MouseMove [Sub ] ..... 4

        HoverPurple\_Click [Sub ] ..... 4

        HoverPurple\_MouseMove [Sub ] ..... 4

        HoverRed\_Click [Sub ] ..... 4

        HoverRed\_MouseMove [Sub ] ..... 4

        HoverTurq\_Click [Sub ] ..... 5

        HoverTurq\_MouseMove [Sub ] ..... 5

        Label1\_Click [Sub ] ..... 5

        OutsideHover\_MouseMove [Sub ] ..... 5

        Worksheet\_Change [Sub ] ..... 5

        Worksheet\_Deactivate [Sub ] ..... 5

        Worksheet\_SelectionChange [Sub ] ..... 6

      Sheet2 ..... 8

        (Declarations)..... 8

      Sheet3 ..... 10

        (Declarations)..... 10

      Sheet4 ..... 12

        (Declarations)..... 12

      Sheet5 ..... 14

        (Declarations)..... 14

      Sheet6 ..... 16

        (Declarations)..... 16

    ThisWorkbook ..... 18

      (Declarations)..... 18

  Modules ..... 20

    ButtonMacros ..... 20

      (Declarations)..... 20

      OpenPrinterList [Sub ] ..... 20

      PrintNumb\_Decrease [Sub ] ..... 20

      PrintNumb\_Increase [Sub ] ..... 20

      PrintOrder [Sub ] ..... 20

      ShowCallcon [Sub ] ..... 20

      UpdatePrinterList [Sub ] ..... 20

    CustMacs ..... 23

      (Declarations)..... 23

      CustomerLoad [Sub ] ..... 23

    OrderMacs ..... 25

      (Declarations)..... 25

      Order\_CancelNew [Sub ] ..... 25

      Order\_Delete [Sub ] ..... 25

      Order\_Load [Sub ] ..... 25

      Order\_New [Sub ] ..... 25

      Order\_SaveUpdate [Sub ] ..... 26

    PopUp\_Calendar ..... 28

      (Declarations)..... 28

      CalCol1 [Sub ] ..... 28

      CalCol2 [Sub ] ..... 28

      CalCol3 [Sub ] ..... 28

      CalCol4 [Sub ] ..... 28

      CalCol5 [Sub ] ..... 28

      CalCol6 [Sub ] ..... 28

      CalCol7 [Sub ] ..... 28

      CalCol8 [Sub ] ..... 28

      CalCol9 [Sub ] ..... 29

**Table of Contents**

CalendarHide [Sub ]	29
CalendarShow [Sub ]	29
CalFormulaReplacement [Sub ]	30
CheckForSheet [Sub ]	30
CreateCalSht [Sub ]	30
DayBtn1 [Sub ]	32
DayBtn10 [Sub ]	32
DayBtn11 [Sub ]	33
DayBtn12 [Sub ]	33
DayBtn13 [Sub ]	33
DayBtn14 [Sub ]	33
DayBtn15 [Sub ]	33
DayBtn16 [Sub ]	33
DayBtn17 [Sub ]	33
DayBtn18 [Sub ]	34
DayBtn19 [Sub ]	34
DayBtn2 [Sub ]	34
DayBtn20 [Sub ]	34
DayBtn21 [Sub ]	34
DayBtn22 [Sub ]	34
DayBtn23 [Sub ]	34
DayBtn24 [Sub ]	35
DayBtn25 [Sub ]	35
DayBtn26 [Sub ]	35
DayBtn27 [Sub ]	35
DayBtn28 [Sub ]	35
DayBtn29 [Sub ]	35
DayBtn3 [Sub ]	35
DayBtn30 [Sub ]	36
DayBtn31 [Sub ]	36
DayBtn32 [Sub ]	36
DayBtn33 [Sub ]	36
DayBtn34 [Sub ]	36
DayBtn35 [Sub ]	36
DayBtn36 [Sub ]	36
DayBtn37 [Sub ]	37
DayBtn38 [Sub ]	37
DayBtn39 [Sub ]	37
DayBtn4 [Sub ]	37
DayBtn40 [Sub ]	37
DayBtn41 [Sub ]	37
DayBtn42 [Sub ]	38
DayBtn5 [Sub ]	38
DayBtn6 [Sub ]	38
DayBtn7 [Sub ]	38
DayBtn8 [Sub ]	38
DayBtn9 [Sub ]	38
GroupCal [Sub ]	38
MacroLinkRemover [Sub ]	39
NextMonth [Sub ]	40
PrevMonth [Sub ]	40
ShowSettings [Sub ]	40
UnGroupCal [Sub ]	41
ProductMacs	43
(Declarations)	43
Prod_AddNew [Sub ]	43
Prod_Clear [Sub ]	43
Product_AddPic [Sub ]	43
Product_AddToList [Sub ]	44
Product_Load [Sub ]	44
Product_SaveUpdate [Sub ]	45
ThemeMenuMacs	47
ButtonColorChange [Sub ]	47
HideMenu [Sub ]	47
ShowMenu [Sub ]	47
Theme_Black [Sub ]	47

## Table of Contents

---

Theme_Blue [Sub ] .....	47
Theme_Green [Sub ].....	47
Theme_Orange [Sub ].....	47
Theme_Purple [Sub ] .....	47
Theme_Red [Sub ].....	47
Theme_Turquoise [Sub ].....	48

```
1 Option Explicit
2
3 Private Sub HoverBlack_Click()
4     Range("B23,B24" ).Value = 36 'Black Color
5     ButtonColorChange
6     HideMenu 'Hide Menu
7 End Sub
8
9
10 Private Sub HoverBlack_MouseMove(ByVal Button As Integer, ByVal Shift As Integer, ByVal X As
Single, ByVal Y As Single)
11     Range("B23" ).Value = 36 'Black Color
12     ButtonColorChange
13 End Sub
14 Private Sub HoverBlue_Click()
15     Range("B23,B24" ).Value = 37 'Blue Color
16     ButtonColorChange
17     HideMenu 'Hide Menu
18 End Sub
19 Private Sub HoverBlue_MouseMove(ByVal Button As Integer, ByVal Shift As Integer, ByVal X As
Single, ByVal Y As Single)
20     Range("B23" ).Value = 37 'Blue Color
21     ButtonColorChange
22 End Sub
23 Private Sub HoverGreen_Click()
24     Range("B23,B24" ).Value = 39 'Green Color
25     ButtonColorChange
26     HideMenu 'Hide Menu
27 End Sub
28 Private Sub HoverGreen_MouseMove(ByVal Button As Integer, ByVal Shift As Integer, ByVal X As
Single, ByVal Y As Single)
29     Range("B23" ).Value = 39 'Green Color
30     ButtonColorChange
31 End Sub
32 Private Sub HoverOrange_Click()
33     Range("B23,B24" ).Value = 42 'Orange Color
34     ButtonColorChange
35     HideMenu 'Hide Menu
36 End Sub
37 Private Sub HoverOrange_MouseMove(ByVal Button As Integer, ByVal Shift As Integer, ByVal X As
Single, ByVal Y As Single)
38     Range("B23" ).Value = 42 'Purple Color
39     ButtonColorChange
40 End Sub
41 Private Sub HoverPurple_Click()
42     Range("B23,B24" ).Value = 40 'PurpleColor
43     ButtonColorChange
44     HideMenu 'Hide Menu
45 End Sub
46 Private Sub HoverPurple_MouseMove(ByVal Button As Integer, ByVal Shift As Integer, ByVal X As
Single, ByVal Y As Single)
47     Range("B23" ).Value = 40 'Purple Color
48     ButtonColorChange
49 End Sub
50 Private Sub HoverRed_Click()
51     Range("B23,B24" ).Value = 38 'Red Color
52     ButtonColorChange
53     HideMenu 'Hide Menu
54 End Sub
55 Private Sub HoverRed_MouseMove(ByVal Button As Integer, ByVal Shift As Integer, ByVal X As
Single, ByVal Y As Single)
```

1

```

1
56 Range("B23" ).Value = 38 'Red Color
57 ButtonColorChange
58 End Sub
59 Private Sub HoverTurq_Click()
60 Range("B23,B24" ).Value = 41 'Turquoise Color
61 ButtonColorChange
62 HideMenu 'Hide Menu
63 End Sub
64 Private Sub HoverTurq_MouseMove(ByVal Button As Integer, ByVal Shift As Integer, ByVal X As
Single, ByVal Y As Single)
65 Range("B23" ).Value = 41 'Purple Color
66 ButtonColorChange
67 End Sub
68
69
70
71
72 Private Sub Label1_Click()
73 MsgBox "click"
74 End Sub
75
76
77
78 Private Sub OutsideHover_MouseMove(ByVal Button As Integer, ByVal Shift As Integer, ByVal X
As Single, ByVal Y As Single)
79 HideMenu
80 End Sub
81
82 Private Sub Worksheet_Change(ByVal Target As Range)
83 If Not Intersect(Target, Range("E3" )) Is Nothing Then Range("B5" ).Select
84
85 'Load Order on Order # Change
86 If Not Intersect(Target, Range("E5" )) Is Nothing And Range("B3" ).Value <> Empty Then
Order_Load
87
88 'On Change of Customer, Load Customer details
89 If Not Intersect(Target, Range("E7" )) Is Nothing And Range("B4" ).Value <> Empty Then
CustomerLoad
90
91 'On Change of Product, to existing product, reset to B12 to Existing Product
92 If Not Intersect(Target, Range("E13" )) Is Nothing And Range("B11" ).Value <> Empty And
Range("B12" ).Value = True Then Range("B12" ).Value = False
93
94 'On Change of Product, Load Product
95 If Not Intersect(Target, Range("E13" )) Is Nothing _
96 And Range("E13" ).Value <> Empty _
97 And Range("B9" ).Value = False _
98 And Range("B12" ).Value = False _
99 Then Product_Load
100 End Sub
101
102
103
104 Private Sub Worksheet_Deactivate()
105 Dim Cal As Shape
106 On Error Resume Next
107 Set Cal = Shapes("Calendar" )
108 On Error GoTo 0
109 If Cal Is Nothing Then 'Shape Deleted
110 Application.EnableEvents = False
111 On Error Resume Next

```

1 2



```
1 2
112 Application.Undo
113 On Error GoTo 0
114 Application.EnableEvents = True
115 End If
116 End Sub
117
118 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
119 Dim Cal As Shape
120 On Error Resume Next
121 Set Cal = Shapes("Calendar" )
122 On Error GoTo 0
123 If Cal Is Nothing Then 'Shape Deleted
124 Application.EnableEvents = False
125 On Error Resume Next
126 Application.Undo
127 On Error GoTo 0
128 Application.EnableEvents = True
129 End If
130 If Target.CountLarge > 4 Then Exit Sub
131 Dim DateFormats As Variant
132 Dim CellFormat As Variant
133 DateFormats = Array("m/d/yyyy" , "m/d/yy;@" , "mmm d yyyy" ) 'Add as many date formats
as you want here
134
135 For Each CellFormat In DateFormats
136 If CellFormat = Target.NumberFormat Then
137 ShowCalIcon 'Display Calendar Icon
138 End 'Once a Date format is found, exit out of Sub
139 Else:
140 Shapes("CalIcon" ).Visible = msoFalse
141 CalendarHide
142 End If
143 Next
144
145
146 If Not Intersect(Target, Range("D20:K49" )) Is Nothing And Range("D" & Target.Row).Value
<> Empty Then
147 Range("B5" ).Value = Target.Row
148 Range("B9" ).Value = True
149 Product_Load
150 Range("B9" ).Value = False
151 End If
152 End Sub
```

—  
→, 5

## A

Application, 5, 6  
Array, 6

## B

Button, 4, 5  
ButtonColorChange, 4, 5

## C

Cal, 5, 6  
CalendarHide, 6  
CellFormat, 6  
CountLarge, 6  
CustomerLoad, 5

## D

DateFormats, 6

## E

Empty, 5, 6  
EnableEvents, 5, 6  
Explicit, 4

## H

HideMenu, 4, 5  
HoverBlack\_Click, 4  
HoverBlack\_MouseMove, 4  
HoverBlue\_Click, 4  
HoverBlue\_MouseMove, 4  
HoverGreen\_Click, 4  
HoverGreen\_MouseMove, 4  
HoverOrange\_Click, 4  
HoverOrange\_MouseMove, 4  
HoverPurple\_Click, 4  
HoverPurple\_MouseMove, 4  
HoverRed\_Click, 4  
HoverRed\_MouseMove, 4  
HoverTurq\_Click, 5  
HoverTurq\_MouseMove, 5

## I

Intersect, 5, 6

## L

Label1\_Click, 5

## M

MsgBox, 5  
msoFalse, 6

## N

NumberFormat, 6

## O

Order\_Load, 5  
OutsideHover\_MouseMove, 5

## P

Product\_Load, 5, 6

## R

Range, 4-6  
Row, 6

## S

Shape, 5, 6

Shapes, 5, 6  
Shift, 4, 5  
ShowCallcon, 6

## T

Target, 5, 6

## U

Undo, 6

## V

Value, 4-6  
Visible, 6

## W

Worksheet\_Change, 5  
Worksheet\_Deactivate, 5  
Worksheet\_SelectionChange, 6

## X

X, 4, 5

## Y

Y, 4, 5

1 Option Explicit

2

**E**

Explicit, 8

1 Option Explicit

2

**E**

Explicit, [10](#)

1 Option Explicit

2

**E**

Explicit, [12](#)



1 Option Explicit

2

**E**

Explicit, [14](#)

1 Option Explicit

2

**E**

Explicit, [16](#)

1	Option Explicit
2	

**E**

Explicit, [18](#)

```

1 Option Explicit
2
3 Sub OpenPrinterList()
4   If Sheet1.Range("E3" ).Value = Empty Then UpdatePrinterList
5   Dim WshShell As Object
6   Set WshShell = CreateObject("wscript.shell" )
7   Sheet1.Range("E3" ).Select
8   WshShell.SendKeys "%{DOWN}"
9   Application.Wait Now + 0.00001
10 End Sub
11
12 Sub PrintNumb_Decrease()
13   If Sheet1.Range("B20" ).Value = 1 Then
14     MsgBox "Print qty. must be 1 or above"
15     Exit Sub
16   End If
17   Sheet1.Range("B20" ).Value = Sheet1.Range("B20" ).Value - 1
18 End Sub
19
20 Sub PrintNumb_Increase()
21   Sheet1.Range("B20" ).Value = Sheet1.Range("B20" ).Value + 1
22 End Sub
23
24 Sub PrintOrder()
25   Dim PrintRange As Range
26   Dim LastRow As Long
27   Dim PrintCopies As Long
28   Dim SelPrinter As String
29   With Sheet1
30     LastRow = .Range("D999" ).End(xlUp).Row 'Last Product Row
31     SelPrinter = .Range("B22" ).Value 'Selected Printer Name
32     PrintCopies = .Range("B20" ).Value '# Of copies to print
33     If LastRow < 20 Then LastRow = 20
34     Set PrintRange = .Range("D3:L" & LastRow)
35     .PageSetup.PrintArea = PrintRange.Address
36     On Error Resume Next
37     .PrintOut 1, 1, PrintCopies, False, SelPrinter, , True, , False
38   End With
39 End Sub
40
41 Sub ShowCalIcon()
42   With Sheet1.Shapes("CalIcon" )
43     .Left = ActiveCell.Offset(0, 1).Left
44     .Top = ActiveCell.Offset(0, 1).Top
45     .IncrementLeft -18
46     .IncrementTop 1
47     .Visible = msoCTrue
48   End With
49 End Sub
50
51 Sub UpdatePrinterList() 'This Macro Updates the List of Printed from your computer (PC
Windows)
52   Dim PrinterNm As String
53   Dim RowNum As Long
54   Dim PrintNum As Long
55   Dim WshNetwork, oPrinters As Object
56   Sheet1.Range("A25:A50" ).ClearContents
57   RowNum = 25 'Start at Row #25 in Column A
58   Set WshNetwork = CreateObject("WScript.Network" ) 'Set and create Network To View Drives
59   Set oPrinters = WshNetwork.EnumPrinterConnections 'Set Printers for computer
60   For PrintNum = 0 To oPrinters.Count - 1 Step 2 'Set Loop Based on the # of printers

```

```
61     1 2 PrinterNm = oPrinters.Item(PrintNum + 1) 'Get Printer Name based on Printer Number
62     Sheet1.Range("A" & RowNum).Value = PrinterNm 'Add Printer Name to cell in column A
63     RowNum = RowNum + 1 'Add one for the next row in column A
64     Next PrintNum
65 End Sub
```



**A**

ActiveCell, 20  
Address, 20  
Application, 20

**C**

ClearContents, 20  
Count, 20  
CreateObject, 20

**E**

Empty, 20  
EnumPrinterConnections, 20  
Explicit, 20

**I**

IncrementLeft, 20  
IncrementTop, 20  
Item, 21

**L**

LastRow, 20  
Left, 20

**M**

MsgBox, 20  
msoCTrue, 20

**N**

Now, 20

**O**

Offset, 20  
OpenPrinterList, 20  
oPrinters, 20, 21

**P**

PageSetup, 20  
PrintArea, 20  
PrintCopies, 20  
PrinterNm, 20, 21  
PrintNum, 20, 21  
PrintNumb\_Decrease, 20  
PrintNumb\_Increase, 20  
PrintOrder, 20  
PrintOut, 20  
PrintRange, 20

**R**

Range, 20, 21  
Row, 20  
RowNum, 20, 21

**S**

SelPrinter, 20  
SendKeys, 20  
Shapes, 20  
Sheet1, 20, 21  
ShowCallIcon, 20

**T**

Top, 20

**U**

UpdatePrinterList, 20

**V**

Value, 20, 21  
Visible, 20

**W**

Wait, 20  
WshNetwork, 20  
WshShell, 20

**X**

xlUp, 20

```
1 Option Explicit
2
3 Sub CustomerLoad()
4     With Sheet1
5         Dim CustRow As Long
6         If .Range("B4").Value = Empty Then
7             MsgBox "Please select a correct Customer from the drop down list"
8             Exit Sub
9         End If
10        CustRow = .Range("B4").Value
11        .Range("H7").Value = Sheet2.Range("B" & CustRow).Value 'Email
12        .Range("K7").Value = Sheet2.Range("C" & CustRow).Value 'Phone
13        .Range("E9").Value = Sheet2.Range("D" & CustRow).Value 'Address
14        .Range("H9").Value = Sheet2.Range("E" & CustRow).Value 'City
15        .Range("K9").Value = Sheet2.Range("F" & CustRow).Value 'State
16        .Range("K11").Value = Sheet2.Range("G" & CustRow).Value 'Zip
17        .Range("H11").Value = Sheet2.Range("H" & CustRow).Value 'Customer Since
18    End With
19 End Sub
```

**C**

CustomerLoad, [23](#)

CustRow, [23](#)

**E**

Empty, [23](#)

Explicit, [23](#)

**M**

MsgBox, [23](#)

**R**

Range, [23](#)

**S**

Sheet1, [23](#)

Sheet2, [23](#)

**V**

Value, [23](#)

```

1  Option Explicit
2  Sub Order_CancelNew()
3      If Sheet3.Range("A2" ).Value <> Empty Then Sheet1.Range("E5" ).Value = Sheet3.Range("A2" )
         .Value 'Place First Order ID to load order
4  End Sub
5
6  Sub Order_Delete()
7      Dim OrderRow As Long
8      If MsgBox("Are you sure you want to delete this order?" , vbYesNo, "Delete Order" ) = vbNo
         Then Exit Sub
9      If Sheet1.Range("B3" ).Value = Empty Then Exit Sub
10     OrderRow = Sheet1.Range("B3" ).Value 'Order Row
11     Sheet3.Range(OrderRow & ":" & OrderRow).EntireRow.Delete
12     Order_CancelNew
13 End Sub
14
15 Sub Order_Load()
16     Dim OrderRow As Long
17     Dim LastRow As Long
18     Dim LastResultsRow As Long
19     With Sheet1
20         If .Range("B3" ).Value = Empty Then
21             MsgBox "Please select a correct order ID # from the drop down list"
22             Exit Sub
23         End If
24         .Range("K3,H5,K5,E7,H7,K7,E9,H9,K9,H11,K11,E13,H13,E15,H15,E17,J13" ).ClearContents
         'Clear Fields
25         .Range("D20:J49,L20:L49" ).ClearContents
26         OrderRow = .Range("B3" ).Value 'Order Row
27         .Range("H5" ).Value = Sheet3.Range("B" & OrderRow).Value 'Status
28         .Range("E7" ).Value = Sheet3.Range("C" & OrderRow).Value 'Customer Name
29         .Range("K3" ).Value = Sheet3.Range("D" & OrderRow).Value 'Order Date
30         .Range("K5" ).Value = Sheet3.Range("E" & OrderRow).Value 'Delivery Date
31
32         'Load Order Details
33         Sheet4.Range("M2:S9999" ).ClearContents 'Clear Previous cells
34
35         Sheet4.Range("L2" ).Value = .Range("E5" ).Value 'Order Id
36         LastRow = Sheet4.Range("A9999" ).End(xlUp).Row
37         Sheet4.Range("A1:G" & LastRow).AdvancedFilter xlFilterCopy, CriteriaRange:=Sheet4.
         Range("L1:L2" ), CopyToRange:=Sheet4.Range("M1:S1" ), Unique:=False
38         LastResultsRow = Sheet4.Range("M9999" ).End(xlUp).Row 'Last results row
39         If LastResultsRow < 2 Then GoTo NoData 'No Results Data
40         .Range("D20:E" & LastResultsRow + 18).Value = Sheet4.Range("N2:O" & LastRow).Value
         'Product Name/ Description
41         .Range("H20:J" & LastResultsRow + 18).Value = Sheet4.Range("P2:R" & LastRow).Value
         'Order Details
42         .Range("L20:L" & LastResultsRow + 18).Value = Sheet4.Range("S2:S" & LastRow).Value
         'Row Numbers
43         .Range("B6" ).Value = False 'Set New Order To False
44         .Shapes("ExistOrderGrp" ).Visible = msoCTrue
45         .Shapes("NewOrderGrp" ).Visible = msoFalse
46     End With
47     NoData:
48 End Sub
49
50 Sub Order_New()
51     With Sheet1
52         .Range("E5,K3,H5,K5,E7,H7,K7,E9,H9,K9,H11,K11,E13,H13,E15,H15,E17,J13" ).ClearContents
         'Clear Fields
53         .Range("D20:J49,L20:L49" ).ClearContents

```

```

1 2
54 .Range("K3" ).Value = Now
55 .Range("E5" ).Value = Application.WorksheetFunction.Max(Sheet3.Range("OrderID" )) + 1
    'Add in next Order ID#
56 .Shapes("ExistOrderGrp" ).Visible = msoFalse
57 .Shapes("NewOrderGrp" ).Visible = msoCTrue
58 .Range("B6" ).Value = True 'New Order
59 On Error Resume Next
60 .Shapes("ThumbPic" ).Delete
61 On Error GoTo 0
62 End With
63 End Sub

64
65 Sub Order_SaveUpdate()
66 Dim OrderRow As Long
67 Dim ItemRow As Long
68 Dim OrderDetailRow As Long
69 Dim LastItemRow As Long
70 Dim ProdRow As Long
71 With Sheet1
72 If .Range("B3" ).Value = Empty Then 'New Order
73     OrderRow = Sheet3.Range("A9999" ).End(xlUp).Row + 1 'First available order row
74     Sheet3.Range("A" & OrderRow).Value = .Range("E5" ).Value 'Set next incremental
        order ID
75 Else: 'Existing Order
76     OrderRow = .Range("B3" ).Value 'Existing Order Row
77 End If
78 Sheet3.Range("B" & OrderRow).Value = .Range("H5" ).Value 'Status
79 Sheet3.Range("C" & OrderRow).Value = .Range("E7" ).Value 'Customer Name
80 Sheet3.Range("D" & OrderRow).Value = .Range("K3" ).Value 'Order Date
81 Sheet3.Range("E" & OrderRow).Value = .Range("K5" ).Value 'Delivery Date
82 Sheet3.Range("F" & OrderRow).Value = .Range("H5" ).Value 'Total Cost
83
84 'Save/Update Item Details
85 LastItemRow = .Range("D999" ).End(xlUp).Row 'Last Item Row
86 If LastItemRow < 20 Then GoTo NoItems
87 For ItemRow = 20 To LastItemRow
88     If .Range("L" & ItemRow).Value = Empty Then 'New Row
89         OrderDetailRow = Sheet4.Range("A9999" ).End(xlUp).Row + 1 'First Avail. Row
90         Sheet4.Range("A" & OrderDetailRow).Value = .Range("E5" ).Value 'Order ID
91         Sheet4.Range("G" & OrderDetailRow).Value = "=Row()" 'Add Row #
92         .Range("L" & ItemRow).Value = OrderDetailRow
93     Else: 'Existing Item
94         OrderDetailRow = .Range("L" & ItemRow).Value 'Existing Item Order Row
95     End If
96     Sheet4.Range("B" & OrderDetailRow & ":C" & OrderDetailRow).Value = .Range("D" &
        ItemRow & ":E" & ItemRow).Value 'Name & Description
97     Sheet4.Range("D" & OrderDetailRow & ":F" & OrderDetailRow).Value = .Range("H" &
        ItemRow & ":J" & ItemRow).Value 'ID, Qty & Price
98 Next ItemRow
99 NoItems:
100 End With
101 End Sub

```

## A

AdvancedFilter, 25  
Application, 26

## C

ClearContents, 25  
CopyToRange, 25  
CriteriaRange, 25

## D

Delete, 25, 26

## E

Empty, 25, 26  
EntireRow, 25  
Explicit, 25

## I

ItemRow, 26

## L

LastItemRow, 26  
LastResultsRow, 25  
LastRow, 25

## M

Max, 26  
MsgBox, 25  
msoCTrue, 25, 26  
msoFalse, 25, 26

## N

NoData, 25  
NoItems, 26  
Now, 26

## O

Order\_CancelNew, 25  
Order\_Delete, 25  
Order\_Load, 25  
Order\_New, 25  
Order\_SaveUpdate, 26  
OrderDetailRow, 26  
OrderRow, 25, 26

## P

ProdRow, 26

## R

Range, 25, 26  
Row, 25, 26

## S

Shapes, 25, 26  
Sheet1, 25, 26  
Sheet3, 25, 26  
Sheet4, 25, 26

## U

Unique, 25

## V

Value, 25, 26  
vbNo, 25  
vbYesNo, 25  
Visible, 25, 26

## W

WorksheetFunction, 26

## X

xlFilterCopy, 25  
xlUp, 25, 26

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

1

```

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

```

1 2 3



```

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

```

1

```

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

```

```

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

```

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

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

1 2

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

1 2 3

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

```

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

```



```

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

```

```

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

```

1 2 3

```

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

```

1 2

```
1 2
   "CalCol4" , "CalCol5" , "CalCol6" , "CalCol7" , "CalCol8" , "CalCol9" )).Visible =
   False
751 } Else:
752   ActiveSheet.Shapes.Range(Array("Settings" , "CalCol1" , "CalCol2" , "CalCol3" ,
   "CalCol4" , "CalCol5" , "CalCol6" , "CalCol7" , "CalCol8" , "CalCol9" )).Visible = True
753   End If
754 End Sub
755
756 Sub UnGroupCal()
757   On Error Resume Next
758   ActiveSheet.Shapes("Calendar" ).Ungroup
759   ActiveSheet.Shapes("NextMonth" ).Ungroup
760   ActiveSheet.Shapes("PrevMonth" ).Ungroup
761   On Error GoTo 0
762 End Sub
```

—, 38, 39

## A

Activate, 30  
 ActiveCell, 30, 32-38  
 ActiveSheet, 28-41  
 ActiveWorkbook, 30, 31  
 ActSht, 30  
 Add, 30, 31  
 Address, 30, 31  
 After, 30  
 Array, 28-30, 38-41  
 AutoFill, 31, 32

## B

Bold, 29, 40

## C

CalCol, 30, 31  
 CalCol1, 28  
 CalCol2, 28  
 CalCol3, 28  
 CalCol4, 28  
 CalCol5, 28  
 CalCol6, 28  
 CalCol7, 28  
 CalCol8, 28  
 CalCol9, 29  
 CalendarHide, 29  
 CalendarShow, 29  
 CalFormulaReplacement, 29, 30  
 Cells, 30, 31  
 CheckForSheet, 30  
 Chr, 31, 32  
 ColCnt, 30, 31  
 ColNum, 30  
 Copy, 30  
 Count, 30  
 CreateCalSht, 30  
 CreateWS, 30

## D

DayBtn1, 32  
 DayBtn10, 32  
 DayBtn11, 33  
 DayBtn12, 33  
 DayBtn13, 33  
 DayBtn14, 33  
 DayBtn15, 33  
 DayBtn16, 33  
 DayBtn17, 33  
 DayBtn18, 34  
 DayBtn19, 34  
 DayBtn2, 34  
 DayBtn20, 34  
 DayBtn21, 34  
 DayBtn22, 34  
 DayBtn23, 34  
 DayBtn24, 35  
 DayBtn25, 35  
 DayBtn26, 35  
 DayBtn27, 35  
 DayBtn28, 35  
 DayBtn29, 35  
 DayBtn3, 35  
 DayBtn30, 36  
 DayBtn31, 36  
 DayBtn32, 36

DayBtn33, 36  
 DayBtn34, 36  
 DayBtn35, 36  
 DayBtn36, 36  
 DayBtn37, 37  
 DayBtn38, 37  
 DayBtn39, 37  
 DayBtn4, 37  
 DayBtn40, 37  
 DayBtn41, 37  
 DayBtn42, 38  
 DayBtn5, 38  
 DayBtn6, 38  
 DayBtn7, 38  
 DayBtn8, 38  
 DayBtn9, 38  
 DayCnt, 30, 31  
 DayName, 28, 29, 40  
 DayNum, 29, 30  
 Destination, 31, 32  
 DrawingObject, 29-31

## E

Empty, 29, 32-38, 40

## F

Fill, 28, 29, 40  
 Font, 29, 40  
 ForeColor, 28, 29, 40  
 Formula, 29-31

## G

Group, 38, 39  
 GroupCal, 29, 32, 38

## I

InStr, 29, 39  
 IsDate, 29

## L

Left, 30, 39  
 Len, 39

## M

MacroLink, 39  
 MacroLinkRemover, 29, 39  
 Month, 29  
 MsgBox, 30, 32  
 msoCTrue, 30, 39  
 msoFalse, 29, 32-38, 40  
 msoTrue, 29

## N

Name, 30, 31, 38, 39  
 Names, 31  
 NewLink, 39, 40  
 NextMonth, 40  
 NextShp, 39, 40  
 NoCal, 29, 30, 32  
 NumberFormat, 32

## O

Offset, 30, 32-38  
 OnAction, 29, 31, 39, 40

## P

Paste, 31  
 Placement, 39  
 PrevMonth, 40

## R

Range, 28-41  
 RefersTo, 31  
 RGB, 28, 29, 40  
 Right, 39  
 RowCnt, 30, 31  
 RowNum, 30

## S

SelCell, 28-30  
 Selection, 28, 29, 38, 39  
 Shape, 30, 39  
 ShapeRange, 28, 29, 38, 39  
 Shapes, 28-41  
 Sheets, 28-38, 40  
 ShowSettings, 40  
 Shp, 30, 39, 40  
 Split, 39  
 SplitLink, 39

## T

TextFrame2, 29, 40  
 TextRange, 29, 40  
 ThisWorkbook, 30  
 Top, 30

## U

Ungroup, 41  
 UnGroupCal, 29, 31, 41

## V

Value, 28-38, 40  
 Visible, 29-41

## W

Worksheet, 30  
 ws, 30

## X

xlFillDefault, 31, 32  
 xlMove, 39  
 xlSheetHidden, 31

## Y

Year, 29

```

1 Option Explicit
2 Sub Prod_AddNew()
3     With Sheet1
4         .Range("E13,E15,E17,H13,H15,J13" ).ClearContents
5         .Shapes("SaveProdBtn" ).Visible = msoCTrue
6         .Shapes("UpdateProdBtn" ).Visible = msoFalse
7         On Error Resume Next
8         .Shapes("ThumbPic" ).Delete
9         On Error GoTo 0
10        .Range("B12" ).Value = True 'Set New Product To True
11        .Range("E13" ).Select
12    End With
13 End Sub
14
15 Sub Prod_Clear()
16     With Sheet1
17         .Range("E13,E15,E17,H13,H15,J13" ).ClearContents 'Clear Fields
18         On Error Resume Next
19         .Shapes("ThumbPic" ).Delete 'Clear Picture
20         On Error GoTo 0
21         .Range("E13" ).Select
22     End With
23 End Sub
24
25
26 Sub Product_AddPic()
27     Dim PicFile As FileDialog
28     Dim ProdRow As Long
29     Dim PicPath As String
30     Dim FileLoc As String
31     FileLoc = ThisWorkbook.Path
32     With Sheet1
33         Set PicFile = Application.FileDialog(msoFileDialogFilePicker)
34         With PicFile
35             .Title = "Select A Product Picture"
36             .Filters.Add "All Picture Files" , "*.jpg,*jpeg,*.gif,*.png,*.gif,*bmp,*.tiff" , 1
37             If .Show <> -1 Then GoTo NoSelection
38             Sheet1.Range("J13" ).Value = Dir(.SelectedItems(1)) 'Put File name in cell K6
39             PicPath = .SelectedItems(1)
40             'Copy the picture to the main application folder
41             FileCopy .SelectedItems(1), FileLoc & "\" & Dir(.SelectedItems(1))
42         End With
43         On Error Resume Next
44         .Shapes("ThumbPic" ).Delete
45         On Error GoTo 0
46         On Error Resume Next
47         With .Pictures.Insert(PicPath)
48             With .ShapeRange
49                 .LockAspectRatio = msoTrue
50                 .Height = 45
51                 .Name = "ThumbPic"
52             End With
53         End With
54         With .Shapes("ThumbPic" )
55             .Left = Sheet1.Range("J13" ).Left
56             .Top = Sheet1.Range("J13" ).Top
57             .IncrementLeft 30
58             .IncrementTop 5
59         End With
60         .Range("B12" ).Value = False 'Set New Product To False
61

```

```

62     1 2 NoSelection:
63     End With
64     End Sub
65     Sub Product_AddToList()
66         Dim ListRow As Long
67         With Sheet1
68             If .Range("B11").Value = Empty Then
69                 MsgBox "Please select a Product from the list to add"
70                 Exit Sub
71             End If
72             If .Range("E17").Value = Empty Then
73                 MsgBox "Please add in a Sales Quantity"
74                 Exit Sub
75             End If
76
77             ListRow = .Range("D999").End(xlUp).Row + 1 'First Avail. Row
78             .Range("D" & ListRow).Value = .Range("E13").Value 'Product Name
79             .Range("E" & ListRow).Value = .Range("E15").Value 'Description
80             .Range("H" & ListRow).Value = .Range("H13").Value 'Product ID
81             .Range("I" & ListRow).Value = .Range("E17").Value 'Sales Qty
82             .Range("J" & ListRow).Value = .Range("H15").Value 'Price
83             .Range("B5").Value = ListRow 'Set selected row to new row
84         End With
85     End Sub
86
87     Sub Product_Load()
88         Dim ProdRow As Long
89         Dim PicPath As String
90         Dim FileLoc As String
91         With Sheet1
92             FileLoc = ThisWorkbook.Path
93
94             If .Range("B9").Value = True Then 'Product Load From Table Below
95                 ProdRow = .Range("B7").Value 'Product Row
96                 .Range("E13").Value = Sheet5.Range("B" & ProdRow).Value 'Product Name
97             Else: 'Change To Product
98                 ProdRow = .Range("B11").Value 'Product Row
99             End If
100            PicPath = FileLoc & "\" & Sheet5.Range("E" & ProdRow).Value
101            .Range("H13").Value = Sheet5.Range("A" & ProdRow).Value 'Product ID
102            .Range("E15").Value = Sheet5.Range("C" & ProdRow).Value 'Description
103            .Range("H15").Value = Sheet5.Range("D" & ProdRow).Value 'Price
104            .Range("J13").Value = Sheet5.Range("E" & ProdRow).Value 'Picture
105            .Range("E17").Value = Sheet5.Range("F" & ProdRow).Value 'Total Inv.
106
107            On Error Resume Next
108            .Shapes("ThumbPic").Delete
109            On Error GoTo 0
110            On Error Resume Next
111            If Sheet5.Range("E" & ProdRow).Value = "" Then GoTo NoPic
112
113            With .Pictures.Insert(PicPath)
114                With .ShapeRange
115                    .LockAspectRatio = msoTrue
116                    .Height = 45
117                    .Name = "ThumbPic"
118                End With
119            End With
120            With .Shapes("ThumbPic")
121                .Left = Sheet1.Range("J13").Left
122                .Top = Sheet1.Range("J13").Top

```

1 2 3

```
1 2 3
123     .IncrementLeft 20
124     .IncrementTop 5
125     End With
126     NoPic:
127     .Shapes("SaveProdBtn").Visible = msoFalse
128     .Shapes("UpdateProdBtn").Visible = msoCTrue
129     .Range("B12").Value = False 'Set New Product To False
130     End With 'End Sheet 1
131 End Sub
132
133 Sub Product_SaveUpdate()
134     Dim ProdRow As Long
135     With Sheet1
136         If .Range("E13").Value = Empty Then
137             MsgBox "Please add a product Name"
138             Exit Sub
139         End If
140
141         If .Range("B11").Value = Empty Then 'New Product
142             ProdRow = Sheet5.Range("A9999").End(xlUp).Row + 1
143             Sheet5.Range("B" & ProdRow).Value = .Range("E13").Value 'Add Product Name Only
144             For New Products
145             Else: 'Existing Product
146                 ProdRow = .Range("B11").Value 'Existing Product Row
147             End If
148             Sheet5.Range("A" & ProdRow).Value = .Range("H13").Value 'Product ID
149             Sheet5.Range("C" & ProdRow).Value = .Range("E15").Value 'Description
150             Sheet5.Range("D" & ProdRow).Value = .Range("H15").Value 'Price
151             Sheet5.Range("E" & ProdRow).Value = .Range("J13").Value 'Image
152             Sheet5.Range("F" & ProdRow).Value = .Range("E17").Value 'Total Purchased
153             Sheet5.Range("G" & ProdRow).Value = "=SUMIFS(Orders_SaleQty,Orders_ProdNm,$B" &
154             ProdRow & ")" 'Total Sold
155             Sheet5.Range("H" & ProdRow).Value = "=F" & ProdRow & "-G" & ProdRow 'Total
156             Available
157             .Shapes("SaveProdBtn").Visible = msoFalse
158             .Shapes("UpdateProdBtn").Visible = msoCTrue
159             .Range("B12").Value = False 'Set New Product To False
160         End With
161     End Sub
```



**A**

Add, 43  
Application, 43

**C**

ClearContents, 43

**D**

Delete, 43, 44  
Dir, 43

**E**

Empty, 44, 45  
Explicit, 43

**F**

FileCopy, 43  
FileDialog, 43  
FileLoc, 43, 44  
Filters, 43

**H**

Height, 43, 44

**I**

IncrementLeft, 43, 45  
IncrementTop, 43, 45  
Insert, 43, 44

**L**

Left, 43, 44  
ListRow, 44  
LockAspectRatio, 43, 44

**M**

MsgBox, 44, 45  
msoCTrue, 43, 45  
msoFalse, 43, 45  
msoFileDialogFilePicker, 43  
msoTrue, 43, 44

**N**

Name, 43, 44  
NoPic, 44, 45  
NoSelection, 43, 44

**P**

Path, 43, 44  
PicFile, 43  
PicPath, 43, 44  
Pictures, 43, 44  
Prod\_AddNew, 43  
Prod\_Clear, 43  
ProdRow, 43-45  
Product\_AddPic, 43  
Product\_AddToList, 44  
Product\_Load, 44  
Product\_SaveUpdate, 45

**R**

Range, 43-45  
Row, 44, 45

**S**

SelectedItems, 43  
ShapeRange, 43, 44  
Shapes, 43-45  
Sheet1, 43-45  
Sheet5, 44, 45

Show, 43

**T**

ThisWorkbook, 43, 44  
Title, 43  
Top, 43, 44

**V**

Value, 43-45  
Visible, 43, 45

**X**

xLUp, 44, 45

```
1 Sub ButtonColorChange()  
2   Dim ShapeStyle As Long  
3   With Sheet1  
4     ShapeStyle = .Range("B23").Value  
5     .Shapes("PrintBtn").ShapeStyle = ShapeStyle  
6     .Shapes("ThemeBtn").ShapeStyle = ShapeStyle  
7     .Shapes("ThemeBtn").ShapeStyle = ShapeStyle  
8     .Shapes("NewOrderBtn").ShapeStyle = ShapeStyle  
9     .Shapes("UpdateOrderBtn").ShapeStyle = ShapeStyle  
10    .Shapes("DeleteBtn").ShapeStyle = ShapeStyle  
11    .Shapes("SaveOrderBtn").ShapeStyle = ShapeStyle  
12    .Shapes("CancelBtn").ShapeStyle = ShapeStyle  
13    .Shapes("AddToListBtn").ShapeStyle = ShapeStyle  
14    .Shapes("ClearBtn").ShapeStyle = ShapeStyle  
15    .Shapes("AddPicBtn").ShapeStyle = ShapeStyle  
16    .Shapes("NewProdBtn").ShapeStyle = ShapeStyle  
17    .Shapes("UpdatePrdBtn").ShapeStyle = ShapeStyle  
18    .Shapes("SavePrdBtn").ShapeStyle = ShapeStyle  
19  End With  
20 End Sub  
21 Sub HideMenu()  
22   Sheet1.Shapes("ThemeMenu").Visible = msoFalse  
23   If Sheet1.Range("B24").Value <> Sheet1.Range("B23").Value Then  
24     Sheet1.Range("B23").Value = Sheet1.Range("B24").Value 'Change back to existing value  
25     ButtonColorChange  
26   End If  
27 End Sub  
28  
29 Sub ShowMenu()  
30   'If Menu is currently open then hide it, otherwise show it  
31   If Sheet1.Shapes("ThemeMenu").Visible = True Then  
32     HideMenu  
33   Else  
34     Sheet1.Shapes("ThemeMenu").Visible = msoCTrue  
35   End If  
36 End Sub  
37  
38 Sub Theme_Black()  
39   Sheet1.Range("B23").Value = 36  
40   ButtonColorChange  
41 End Sub  
42 Sub Theme_Blue()  
43   Sheet1.Range("B23").Value = 37  
44   ButtonColorChange  
45 End Sub  
46 Sub Theme_Green()  
47   Sheet1.Range("B23").Value = 39  
48   ButtonColorChange  
49 End Sub  
50 Sub Theme_Orange()  
51   Sheet1.Range("B23").Value = 42  
52   ButtonColorChange  
53 End Sub  
54  
55 Sub Theme_Purple()  
56   Sheet1.Range("B23").Value = 40  
57   ButtonColorChange  
58 End Sub  
59 Sub Theme_Red()  
60   Sheet1.Range("B23").Value = 38
```

1

```
61     1 ButtonColorChange
62     End Sub
63     Sub Theme_Turquoise()
64         Sheet1.Range("B23").Value = 41
65         ButtonColorChange
66     End Sub
```

## B

ButtonColorChange, [47](#), [48](#)

## H

HideMenu, [47](#)

## M

msoCTrue, [47](#)

msoFalse, [47](#)

## R

Range, [47](#), [48](#)

## S

Shapes, [47](#)

ShapeStyle, [47](#)

Sheet1, [47](#), [48](#)

ShowMenu, [47](#)

## T

Theme\_Black, [47](#)

Theme\_Blue, [47](#)

Theme\_Green, [47](#)

Theme\_Orange, [47](#)

Theme\_Purple, [47](#)

Theme\_Red, [47](#)

Theme\_Turquoise, [48](#)

## V

Value, [47](#), [48](#)

Visible, [47](#)

# 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*