

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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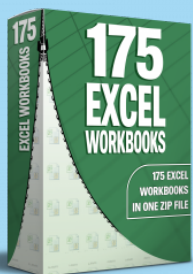
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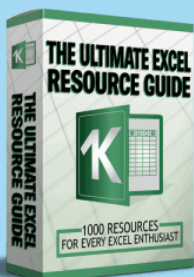
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Option Explicit

```

1 Private Sub Worksheet_Change(ByVal Target As Range)
2
3     'On change of Label template
4     If Not Intersect(Target, Range("E8" )) Is Nothing Then
5         Range("B4" ).Value = True 'Set Template Change to True
6         LoadLabel 'Load Label details on change of label
7         'Clear any Template information
8         'Range("B7").ClearContents
9         Shapes("SaveTempBtn" ).Visible = msoCTrue
10        Shapes("UpdateTempBtn" ).Visible = msoFalse
11    End If
12
13
14    'On change of sheet but not on template load
15    If Not Intersect(Target, Range("I21" )) Is Nothing And Range("B10" ).Value = False Then
16        If Cells(Target.Row, Target.Column).Value <> Empty Then GetDataDetails 'Get
17        Destinationworksheet data on worksheet change
18    End If
19
20    'On Change of Column Format, when Column D is not empty, and not on Mapping load, then
21    Update Format Validation and Value
22    If Not Intersect(Target, Range("H27:H77" )) Is Nothing And Range("D" & Target.Row).Value
23    <> Empty Then
24        Range("I" & Target.Row).Validation.Delete
25        If Range("H" & Target.Row).Value <> "General" And Range("H" & Target.Row).Value <>
26        Empty Then
27            Range("I" & Target.Row).Validation.Add Type:=xlValidateList, AlertStyle:=
28            xlValidAlertStop, Operator:=xlBetween, Formula1:="=" & Range("H" & Target.Row).
29            Value & "FormatList"
30        End If
31    End If
32
33    'On Change Of Format, update reformat sample Data
34    If Not Intersect(Target, Range("I27:I77" )) Is Nothing And Range("I" & Target.Row).Value
35    <> Empty Then
36        Range("E" & Target.Row).NumberFormat = Range("I" & Target.Row).Value 'Update Format
37        for sample data
38    End If
39
40    'On change of Template, add in ID (if found)
41    If Not Intersect(Target, Range("E2" )) Is Nothing Then
42        If Range("B9" ).Value <> Empty Then
43            Range("B7" ).Value = Sheet6.Range("A" & Range("B9" ).Value).Value 'Add In Template
44            ID
45            Template_Load
46        Else:
47            Shapes("SaveTempBtn" ).Visible = msoCTrue
48            Shapes("UpdateTempBtn" ).Visible = msoFalse
49        End If
50    End If
51
52 End Sub
53
54
55 Private Sub Worksheet_SelectionChange(ByVal Target As Range)
56     If Target.CountLarge > 1 Then Exit Sub
57     Dim DesignRow As Long, DesignColumn As Long
58     Dim ShapeName As String, ShapeFormula As String, DataValue
59     If Target.CountLarge > 5 Then Exit Sub
60     'Display Filter Options on Selection
61     If Not Intersect(Target, Range("G27:G77" )) Is Nothing And Range("D" & Target.Row).Value
62     <> Empty And Target.Count < 2 Then

```

```

1 2
52 Range("B1" ).Value = Target.Row
53 ShowFilterGroup 'Display Text Filter Buttons
54 }Else: 'Other than Filter Selection, hide filterGroup
55   Shapes("FiltGrp" ).Visible = msoFalse
56 }End If
57
58 'Check/Uncheck Data & Label Options
59 If Not Intersect(Target, Range("F83:G132" )) Is Nothing And Range("D" & Target.Row).Value
    <> Empty Then
60   DesignColumn = Target.Column 'Selected Design Column
61   DesignRow = Target.Row 'Selected Design Row
62   If DesignColumn = 6 Then ShapeName = "Label" & DesignRow Else ShapeName = "Data" &
    DesignRow
63   If DesignColumn = 6 Then ShapeFormula = "=$D$" & DesignRow Else ShapeFormula = "=$E$"
    & DesignRow
64   If DesignColumn = 7 Then DataValue = Range("E" & DesignRow).Value 'Get value of data
    to check for possible pictures
65   If Target.Value = "ü" Then
66     Target.ClearContents
67     On Error Resume Next
68     Shapes(ShapeName).Delete 'Delete shape
69     If DesignColumn = 7 Then Shapes("ItemPicture" & DesignRow).Delete 'Delete any
    possible picture
70     On Error GoTo 0
71   }Else:
72     Target.Value = "ü"
73
74   If InStr(DataValue, "\" ) > 1 Then 'Some type of file (possible picture)
75     If InStr(DataValue, ".jpg" ) > 0 Or InStr(DataValue, ".jpeg" ) > 0 Or InStr(
    DataValue, ".png" ) > 0 Or InStr(DataValue, ".bmp" ) > 0 Or InStr(DataValue,
    ".tiff" ) > 0 Then 'Confirm Picture File
76     ShapeName = "ItemPicture" & DesignRow 'Reset Shape Name To Picture
77     If Dir(DataValue, vbDirectory) = "" Then
78       MsgBox "File Path for this picture is not value"
79       Exit Sub
80     End If
81
82     With Pictures.Insert(DataValue)
83       With .ShapeRange
84         .LockAspectRatio = msoTrue
85         .Height = 95
86         .Name = ShapeName
87       End With 'Shape Range
88       With Shapes(ShapeName)
89         .Left = Sheet1.Range("H84" ).Left
90         .Top = Sheet1.Range("H84" ).Top
91         .IncrementLeft 20
92         .IncrementTop 15
93         .ZOrder msoSendToBack
94       End With
95       ' .Shapes("BackLabShape").ZOrder msoSendToBack
96     End With
97   End If 'End If Picture
98 }Else: 'Text File (Not Picture)
99   'Create & Hide Label Shapes
100  Shapes("SampleTextBox" ).Copy
101  Range("H83" ).Select
102  Range("H83" ).Select
103  Application.Wait Now + 0.00001
104  Sheet1.Paste Range("H83" )
105  Selection.Name = ShapeName

```

1 2 3 4

```
106      1 2 3 4      With Shapes(ShapeName)
107      .Left = Sheet1.Range("H83" ).Left
108      .Top = Sheet1.Range("H83" ).Top
109      .IncrementLeft 15
110      .IncrementTop 10
111      .DrawingObject.Formula = ShapeFormula
112      .Placement = xlFreeFloating
113      .Visible = msoCTrue
114      End With
115      End If
116      End If
117      Range("E" & Target.Row).Select 'Select out of the cell
118      End If
119      End Sub
120
```


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```
1 Option Explicit
2 Dim StartTime As Double
3 Dim SecondsElapsed As Double
4
5 Sub CalculateRunTime_Minutes()
6 'PURPOSE: Determine how many minutes it took for code to completely run
7 'SOURCE: www.TheSpreadsheetGuru.com/the-code-vault
8
9 Dim StartTime As Double
10 Dim MinutesElapsed As String
11
12 'Remember time when macro starts
13 StartTime = Timer
14
15 '*****
16 'Insert Your Code Here...
17 '*****
18
19 'Determine how many seconds code took to run
20 MinutesElapsed = Format((Timer - StartTime) / 86400, "hh:mm:ss" )
21
22 'Notify user in seconds
23 MsgBox "This code ran successfully in " & MinutesElapsed & " minutes" , vbInformation
24
25 End Sub
26
27 Sub ResetCalc()
28 With Application
29 .EnableEvents = True
30 .Calculation = xlCalculationAutomatic
31 .ScreenUpdating = True
32 End With
33 End Sub
34
35
36
37 Sub StartClock()
38
39 'Remember time when macro starts
40 StartTime = Timer
41 End Sub
42
43 Sub StopCalc()
44 With Application
45 .EnableEvents = False
46 .Calculation = xlCalculationManual
47 .ScreenUpdating = False
48 End With
49 End Sub
50
51 Sub StopClock()
52
53 'Determine how many seconds code took to run
54 SecondsElapsed = Round(Timer - StartTime, 2)
55
56 'Notify user in seconds
57 MsgBox "This code ran successfully in " & SecondsElapsed & " seconds" , vbInformation
58 End Sub
```

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```

1 Option Explicit
2 Sub BuildLabelSheet()
3 'If Sheet1.Range("B4").Value = False Then Exit Sub 'No need to rebuild label sheet unless
  template has changed
4 StopCalc
5 Dim LabSheetQty As Long, LabelCol As Long, LabelRow As Long, SetCount As Long
6 Dim LastLabelRow As Long, LastLabelCol As Long, SetCol As Long, SetRow As Long
7 Dim DataRow As Long, LastDataRow, MaxLabels As Long, MaxRows As Long
8 Dim LabHeight As Double, LabWidth As Double, ColumnSpace As Double, RowSpace As Double
9 Dim LeftMargin As Double, RightMargin As Double, TopMargin As Double, BottomMargin As
  Double
10 Dim PrintArea As Range
11 With Sheet1
12   LabSheetQty = .Range("E9").Value 'Label Sheet Qty
13   LabelCol = .Range("E11").Value 'Number of label columns
14   LabelRow = .Range("G11").Value 'Number of label rows
15   LabHeight = .Range("E10").Value 'Label Height
16   LabWidth = .Range("G10").Value 'Label Width
17   ColumnSpace = .Range("E13").Value 'Column Spacing
18   RowSpace = .Range("G13").Value 'Row Spacing
19   LeftMargin = .Range("E14").Value 'Left Margin Spacing
20   RightMargin = .Range("G14").Value 'Right Margin
21   TopMargin = .Range("E15").Value 'Top Margin
22   BottomMargin = .Range("G15").Value 'Bottom Margin
23   MaxLabels = .Range("H22").Value - 1 'Maximum # of Labels (without any filter)
24   MaxRows = MaxLabels / LabelCol
25   'Determine the Total # of Rows (Full Sheets) Round Up To Whole # (Maximum Rows / Rows
  Per sheet) * Number OF Rows Per Sheet
26   LastLabelRow = Application.WorksheetFunction.RoundUp((MaxRows / LabelRow), 0) *
  LabelRow
27   LastLabelCol = LabelCol + (LabelCol - 1)
28   LastLabelRow = LastLabelRow + (LastLabelRow - 1) 'Set the Last Label Row (Use full
  Sheets)
29 End With
30 With Sheet3 'Label Template
31   'Setup Columns
32   For SetCol = 1 To LastLabelCol Step 2
33     For SetCount = 1 To 3 'Run 3 times to set width
34       .Cells(1, SetCol).ColumnWidth = Application.InchesToPoints(LabWidth) * (.Cells(1,
  SetCol).ColumnWidth / .Cells(1, SetCol).Width) - 2
35     Next SetCount
36     If SetCol <> LastLabelCol Then .Cells(1, SetCol + 1).ColumnWidth = ColumnSpace
37   Next SetCol
38   'Setup Rows
39   For SetRow = 1 To LastLabelRow Step 2
40     .Cells(SetRow, 1).RowHeight = Application.InchesToPoints(LabHeight) 'Set Row Height
41     .Cells(SetRow + 1, 1).RowHeight = RowSpace
42   Next SetRow
43   With .PageSetup
44     .PrintArea = Range(Sheet3.Cells(1, 1), Sheet3.Cells(LastLabelRow, LastLabelCol)).
  Address
45     .LeftMargin = Application.InchesToPoints(LeftMargin)
46     .RightMargin = Application.InchesToPoints(RightMargin)
47     .TopMargin = Application.InchesToPoints(TopMargin)
48     .BottomMargin = Application.InchesToPoints(BottomMargin)
49     .HeaderMargin = 0
50     .FooterMargin = 0
51   End With
52   Sheet1.Range("B4").Value = False 'Reset Label Change to False
53 End With

```



```

1
54     ResetCalc
55 End Sub
56 Sub FilterDataCreateLabels()
57     Dim FirstFiltCol As Long, LastFiltCol As Long, TotalDataCol As Long
58     Dim LabelCol As Long, LabelRow As Long, LabelNumber As Long
59     Dim TotalLabelCol As Long, TotalLabelRow As Long
60     Dim FirstLabelRow As Long, LastLabelRow As Long, LabelDataRow As Long
61     Dim LastLabelCol As Long, LabelDataCol As Long
62     Dim DesignRow As Long, LastDesignRow As Long
63     Dim FirstDataRow As Long, LastDataRow As Long, LastHeaderRow As Long
64     Dim LabelTemplate As Shape, TempLabelShape As Shape, LabelShape As Shape, ItemPic As Shape

65     Dim LabelRng As Range, LabelCell As Range
66     Dim PicFileName As String
67     'Remove any labels currently on the sheet
68     For Each LabelShape In Sheet3.Shapes
69         LabelShape.Delete
70     Next
71     Set LabelShape = Nothing
72     'Remove any Label Preview (if existing)
73     On Error Resume Next
74     Sheet1.Shapes("LabPreview").Delete
75     On Error GoTo 0

76
77     With Sheet1
78         TotalDataCol = .Range("J23").Value
79         FirstFiltCol = TotalDataCol + 5
80         LastFiltCol = FirstFiltCol + TotalDataCol
81         Range(Sheet4.Cells(1, FirstFiltCol), Sheet4.Cells(1, LastFiltCol)).Value = Range(Sheet4
            .Cells(1, 1), Sheet4.Cells(1, TotalDataCol + 1)).Value 'Copy Over for headers criteria
82         Range(Sheet4.Cells(3, FirstFiltCol), Sheet4.Cells(3, LastFiltCol)).Value = Range(Sheet4
            .Cells(1, 1), Sheet4.Cells(1, TotalDataCol + 1)).Value 'Copy Over headers for results
83         LastHeaderRow = Application.WorksheetFunction.CountA(.Range("D27:D77")) + 26 'Last
            header Row
84         If LastHeaderRow < 27 Then Exit Sub 'On No Headers
85         .Range("G27:G" & LastHeaderRow).Copy
86         Sheet4.Cells(2, FirstFiltCol).PasteSpecial xlPasteValues, , , True 'Copy Over filters
87         LastDataRow = .Range("H22").Value - 1 'Last Row Of Data
88         Range(Sheet4.Cells(1, 1), Sheet4.Cells(LastDataRow, TotalDataCol + 1)).AdvancedFilter
            xlFilterCopy, _
89         CriteriaRange:=Range(Sheet4.Cells(1, FirstFiltCol), Sheet4.Cells(2, LastFiltCol)),
            CopyToRange:=Range(Sheet4.Cells(3, FirstFiltCol), Sheet4.Cells(3, LastFiltCol)), Unique
            :=True

90
91         'Builld Labels On Label Page
92         On Error Resume Next
93         Set LabelTemplate = Sheet1.Shapes("TemplateGroup")
94         On Error GoTo 0
95         If LabelTemplate Is Nothing Then
96             GroupTemplateShapes 'Run Macro to Create Label Group
97             On Error Resume Next
98             Set LabelTemplate = Sheet1.Shapes("TemplateGroup") '2nd ry
99             On Error GoTo 0
100        End If
101        If LabelTemplate Is Nothing Then Exit Sub 'Exit on 2nd Failure to set locate label
            template
102        LastDataRow = Sheet4.Cells(99999, FirstFiltCol).End(xlUp).Row 'Last Results Row
103        .Range("E141").Value = LastDataRow - 3 'Display # Of labels to Print
104        .Range("G141").Value = Application.WorksheetFunction.RoundUp((LastDataRow - 3) / .
            Range("E9").Value, 0) 'Total # Of Labels Divided by labels per sheet

```

1 2

```

1 2
105 TotalLabelCol = .Range("E11" ).Value 'Number of label columns
106 TotalLabelRow = Application.WorksheetFunction.RoundUp((LastDataRow - 3) / TotalLabelCol
, 0) 'Number of label rows
107 LastLabelCol = TotalLabelCol + (TotalLabelCol - 1)
108 LastLabelRow = TotalLabelRow + (TotalLabelRow - 1)
109 LastDesignRow = LastHeaderRow + 56
110 Sheet3.Activate
111 LabelRow = 1
112 LabelCol = 1
113 LabelNumber = 1
114 LabelTemplate.Copy
115 Sheet3.Activate
116
117 Sheet3.Range("A1" ).Select 'Paste in Temporary shape
118 DoEvents
119 Application.Wait Now + 0.00001
120 Sheet3.Paste Destination:=Sheet3.Range("A1" )
121 Set TempLabelShape = ThisWorkbook.Sheets("Printed Labels" ).Shapes("TemplateGroup" )
122
123 LabelDataRow = 4 'Set First Row of Data (Data sheet, filtered row)
124
125 For LabelRow = 1 To LastLabelRow Step 2 'First Loop Through Rows
126     For LabelCol = 1 To LastLabelCol Step 2 'Second Loop Through Columns
127
128         Set LabelCell = ThisWorkbook.Sheets("Printed Labels" ).Cells(LabelRow, LabelCol)
129         TempLabelShape.Copy 'Copy Temporary Label Shape
130         LabelCell.Select 'Select Cell To Place shape in
131         On Error GoTo ErrorHandler
132         Sheet3.Paste Destination:=LabelCell 'Place Shape in Label cell
133
134         With TempLabelShape 'With temp. label shape
135             .Left = Sheet3.Cells(LabelRow, LabelCol).Left
136             .Top = Sheet3.Cells(LabelRow, LabelCol).Top
137             .Visible = msoCTrue
138             .Name = "Label" & LabelNumber 'Rename shape group, specific to label #
139         End With
140
141         LabelDataCol = FirstFiltCol 'Set the first column of filtered data to move
through
142         For DesignRow = 83 To LastDesignRow 'Loop Through Design Rows to see which ones
are selected to be visible in the label
143
144             If .Range("G" & DesignRow).Value = "ü" Then 'Show Data (or picture)
145
146                 'Check For Item Picture
147                 If InStr(Sheet4.Cells(LabelDataRow, LabelDataCol).Value, "\" ) > 1 Then
'File found (possible picture)
148
149                     On Error Resume Next
150                     Set ItemPic = Sheet1.Shapes("ItemPicture" & DesignRow) 'check for
correct file name and set picture
151                     On Error GoTo 0
152                     If Not ItemPic Is Nothing Then 'Picture exists if its found
153                     With Sheet3.Pictures.Insert(Sheet4.Cells(LabelDataRow, LabelDataCol).
Value)
154                         With .ShapeRange
155                             .Name = "ItemLabelPicture" & DesignRow & "_" & LabelNumber
'Assign Unique name to picture based on Design Row and Label #
156
157                             End With
End With

```

```

158 1 2 3 4 5 6 7 8 With Sheet3.Shapes("ItemLabelPicture" & DesignRow & "_" &
LabelNumber)
159 .Height = ItemPic.Height 'Set Height same as original picture
160 .Width = ItemPic.Width 'Set width same as original picture
161 .Left = Sheet3.Cells(LabelRow, LabelCol).Left 'Set initial Left
position based on cell
162 .Top = Sheet3.Cells(LabelRow, LabelCol).Top 'Set initial Top
Position based on cell
163 .IncrementLeft ItemPic.Left - Sheet1.Shapes("BackLabShape" ).Left
'Increment left (move to right) based on distance from Label
background and picture
164 .IncrementTop ItemPic.Top - Sheet1.Shapes("BackLabShape" ).Top
'Increment top (move down) based on distance from Label background
and picture
165 .Visible = msoCTrue 'Display Picture
166 End With
167
168 End If
169
170 Else ' Not Picture
171 On Error Resume Next
172
173 Sheet3.Shapes("Data" & DesignRow).DrawingObject.Formula = "=" & Imported
Data!" & Sheet4.Cells(LabelDataRow, LabelDataCol).Address 'Get Data
Value
174 Sheet3.Shapes("Data" & DesignRow).Name = "Label" & LabelNumber &
"_Data" & DesignRow
175 'On Error GoTo 0
176 Sheet1.Shapes("Data" & DesignRow).PickUp
177 Sheet3.Shapes("Label" & LabelNumber & "_Data" & DesignRow).Apply
178 End If
179 End If
180 On Error Resume Next
181 Sheet3.Shapes("ItemPicture" & DesignRow).Delete 'Remove Template picture
copied over
182 On Error GoTo 0
183 LabelDataCol = LabelDataCol + 1 'Increment Data Column
184
185 Next DesignRow
186
187
188 Set TempLabelShape = Sheet3.Shapes("TemplateGroup" ) 'Reset Temp Label To
Original sheet Template
189
190 LabelNumber = LabelNumber + 1
191 LabelDataRow = LabelDataRow + 1
192 If LabelDataRow > LastDataRow Then Exit For
193 Next LabelCol
194 If LabelDataRow > LastDataRow Then Exit For
195 Next LabelRow
196
197
198 On Error Resume Next
199 Sheet3.Shapes("TemplateGroup" ).Delete 'Remove temporary group
200 On Error GoTo 0
201 If LabelRow > 10 Then LabelRow = 10 'Set max height for sample picture
202 Set LabelRng = Range(Sheet3.Cells(1, 1), Sheet3.Cells(LabelRow, LastLabelCol))
203 Application.CutCopyMode = False
204 Application.Wait Now + 0.00001
205 LabelRng.CopyPicture
206 Sheet1.Activate

```

```
1 2
207 Application.Wait Now + 0.00001
208 Sheet1.Range("D143" ).PasteSpecial
209 Selection.Formula = "'Printed Labels'!" & LabelRng.Address
210 Selection.Name = "LabPreview"
211 Application.CutCopyMode = False
212 With .Shapes("LabPreview" )
213     .IncrementLeft 20
214 End With
215 Sheet1.Range("F144" ).Select
216
217 End With
218 Exit Sub
219 ErrorHandler:
220 Application.Wait Now + 0.00001
221 TempLabelShape.Copy
222 Application.Wait Now + 0.00001
223 Sheet3.Paste Destination:=LabelCell
224 Resume Next
225 End Sub
226
227 Sub PrintLabels()
228     Sheet3.PrintOut , , , False, True, , , False
229 End Sub
230
231
232
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```

1  Option Explicit
2
3  Sub BrowseForData()
4      Dim FileFldr As FileDialog
5      Dim DataFilePath As String
6      Dim DataWs As Worksheet
7      Dim ThisWkBk As Workbook, DataWkBk As Workbook
8      Dim WsRow As Long
9
10     Set ThisWkBk = ThisWorkbook
11     With Sheet1
12         WsRow = 20
13         .Range("A20:A50,E20:H20,I21:J21,F22:F23,H22:H23").ClearContents 'Clear Any older data
14         .Range("D27:K77").ClearContents 'Clear any older Worksheet data
15         Set FileFldr = Application.FileDialog(msoFileDialogFilePicker)
16         With FileFldr
17             .Title = "Select Data File"
18             .Filters.Add "Excel Files", "*.xlsm,*.xlsx,*.xlsb,*.xls"
19             If .Show <> -1 Then GoTo NoSelection
20             Sheet1.Range("E20").Value = .SelectedItems(1) 'Get Full File Path
21         End With
22
23         DataFilePath = .Range("E20").Value 'Long File Path
24         .Range("E21").Value = Dir(DataFilePath, vbDirectory) 'File Name
25         Workbooks.Open (DataFilePath) 'Open Data Workbook
26         Set DataWkBk = Workbooks(Dir(DataFilePath)) 'Set Data Workbook
27
28         For Each DataWs In DataWkBk.Worksheets
29             Sheet1.Range("A" & WsRow).Value = DataWs.Name
30             WsRow = WsRow + 1
31         Next
32         ThisWkBk.Activate
33         .Range("I21").Select 'Select cell for user to select sheet
34         NoSelection:
35     End With
36 End Sub
37
38
39 Sub GetDataDetails()
40     Dim DataFilePath As String, DataShtName As String
41     Dim WsRow As Long, FirstRow As Long, TableRow As Long, TableCol As Long, FirstCol As Long,
42     LastRow As Long, LastCol As Long
43     Dim DataRow As Long, DataCol As Long, DesignRow As Long
44     Dim DataWkBk As Workbook, ThisWkBk As Workbook
45
46     Set ThisWkBk = ThisWorkbook
47     With Sheet1
48         DataFilePath = .Range("E20").Value 'Data Workbook File Path
49         On Error GoTo MissingWorkbook
50         Set DataWkBk = Workbooks(Dir(DataFilePath)) 'Set Data Workbook
51         On Error GoTo 0
52         DataShtName = .Range("I21").Value 'Data Worksheet Name
53         .Range("D27:K77").ClearContents 'Clear any older Worksheet data
54         .Range("D83:G132,K83:K132").ClearContents 'Clear any Lables & Data for design steps
55     End With
56
57     With DataWkBk.Sheets(DataShtName)
58
59         'Get Last Row Of Data

```

```

1 2
60 'On Error Resume Next
61 LastRow = .Cells.Find(What:="*", After:=.Range("A1"), _
62 Lookat:=xlPart, LookIn:=xlFormulas, SearchOrder:=xlByRows, SearchDirection:=xlPrevious,
    MatchCase:=False).Row
63 'Get Last Column Of Data
64 LastCol = .Cells.Find(What:="*", After:=.Range("A1"), _
65 Lookat:=xlPart, LookIn:=xlFormulas, SearchOrder:=xlByColumns, SearchDirection:=
    xlPrevious, MatchCase:=False).Column
66 On Error GoTo 0
67
68 'Determine First Row Of Table w/ 70% of the cells filled
69 For TableRow = 1 To LastRow
70     If (Application.WorksheetFunction.CountA(Range(.Cells(TableRow, 1), .Cells(TableRow,
71         LastCol))) / LastCol) >= 0.7 Then
72         FirstRow = TableRow
73         Exit For
74     End If
75 Next TableRow
76
77 'Determine First Column Of Table w/ 50% of the cells filled
78 For TableCol = 1 To LastCol
79     If (Application.WorksheetFunction.CountA(Range(.Cells(1, TableCol), .Cells(LastRow,
80         TableCol))) / LastRow) >= 0.5 Then
81         FirstCol = TableCol
82         Exit For
83     End If
84 Next TableCol
85 End With
86
87 If Sheet1.Range("B18").Value = True Then FirstRow = FirstRow + 1 'Has Headers
88
89 Sheet1.Range("F22").Value = FirstRow 'Set First Row Of Data Data
90 Sheet1.Range("H22").Value = LastRow 'Set Last Row Of Data Data
91 Sheet1.Range("F23").Value = FirstCol 'Set First Column Of Data Data
92 Sheet1.Range("H23").Value = LastCol 'Set Last Column Of Data Data
93
94 ThisWkBk.Activate
95 'Load Data Details
96
97 DataRow = 27
98 DesignRow = 83
99 With Sheet1
100     If .Range("B18").Value = True Then 'Data has Headers
101         For DataCol = FirstCol To LastCol
102             .Range("D" & DataRow).Value = DataWkBk.Sheets(DataShtName).Cells(FirstRow - 1,
103                 DataCol).Value 'Load Headers
104             .Range("D" & DesignRow).Value = DataWkBk.Sheets(DataShtName).Cells(FirstRow - 1,
105                 DataCol).Value 'Load Headers
106             DataRow = DataRow + 1
107             DesignRow = DesignRow + 1
108         Next DataCol
109     End If
110     'Add First Row Of Data
111     DataRow = 27
112     DesignRow = 83
113     For DataCol = FirstCol To LastCol
114         .Range("E" & DataRow).Value = DataWkBk.Sheets(DataShtName).Cells(FirstRow, DataCol)
115         .Value
116         .Range("E" & DesignRow).Value = DataWkBk.Sheets(DataShtName).Cells(FirstRow,

```

1 2 3

```
1 2 3
114 DataCol).Value 'Load First Row OF Data
115 DataRow = DataRow + 1
116 DesignRow = DesignRow + 1
117 Next DataCol
118 On Error Resume Next
119 Sheet1.Shapes("TemplateGroup" ).Delete 'Remove all data & label fields from any
120 previous label
121 On Error GoTo 0
122 .Range("B82" ).Value = 1 'Reset Text Box # to 1
123 End With
124 Exit Sub
125 MissingWorkbook:
126 MsgBox "Please check for a correct Data Workbook"
127 End Sub
128
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```
1 Option Explicit
2
3
4 Sub AddFilt_Numb_GreaterThan()
5     Dim DataRow As Long
6     Dim FilterBy As String
7     With Sheet1
8         If .Range("B1").Value = Empty Then Exit Sub
9         DataRow = .Range("B1").Value
10        If .Range("G" & DataRow).Value = Empty Then Exit Sub
11        FilterBy = .Range("G" & DataRow).Value 'Filter By Text
12        FilterBy = Replace(Replace(Replace(FilterBy, "*", "" ), "<" , "" ), ">" , "" )
13        'Remove any previous filtering characters
14        .Range("G" & DataRow).Value = ">" & FilterBy
15    End With
16 End Sub
17
18 Sub AddFilt_Numb_LessThan()
19     Dim DataRow As Long
20     Dim FilterBy As String
21     With Sheet1
22         If .Range("B1").Value = Empty Then Exit Sub
23         DataRow = .Range("B1").Value
24         If .Range("G" & DataRow).Value = Empty Then Exit Sub
25         FilterBy = .Range("G" & DataRow).Value 'Filter By Text
26         FilterBy = Replace(Replace(Replace(FilterBy, "*", "" ), "<" , "" ), ">" , "" )
27        'Remove any previous filtering characters
28        .Range("G" & DataRow).Value = "<" & FilterBy
29    End With
30 End Sub
31
32 Sub AddFilt_Text_Contains()
33     Dim DataRow As Long
34     Dim FilterBy As String
35     With Sheet1
36         If .Range("B1").Value = Empty Then Exit Sub
37         DataRow = .Range("B1").Value
38         If .Range("G" & DataRow).Value = Empty Then Exit Sub
39         FilterBy = .Range("G" & DataRow).Value 'Filter By Text
40         FilterBy = Replace(Replace(Replace(FilterBy, "*", "" ), "<" , "" ), ">" , "" )
41        'Remove any previous filtering characters
42        .Range("G" & DataRow).Value = "*" & FilterBy & "*"
43    End With
44 End Sub
45
46 Sub AddFilt_Text_EndsWith()
47     Dim DataRow As Long
48     Dim FilterBy As String
49     With Sheet1
50         If .Range("B1").Value = Empty Then Exit Sub
51         DataRow = .Range("B1").Value
52         If .Range("G" & DataRow).Value = Empty Then Exit Sub
53         FilterBy = .Range("G" & DataRow).Value 'Filter By Text
54         FilterBy = Replace(Replace(Replace(FilterBy, "*", "" ), "<" , "" ), ">" , "" )
55        'Remove any previous filtering characters
56        .Range("G" & DataRow).Value = "*" & FilterBy
57    End With
58 End Sub
59
60 Sub AddFilt_Text_StartsWith()
61     Dim DataRow As Long
62     Dim FilterBy As String
```

```
1
58 With Sheet1
59     If .Range("B1").Value = Empty Then Exit Sub
60     DataRow = .Range("B1").Value
61     If .Range("G" & DataRow).Value = Empty Then Exit Sub
62     FilterBy = .Range("G" & DataRow).Value 'Filter By Text
63     FilterBy = Replace(Replace(Replace(FilterBy, "*", ""), "<" , "" ), ">" , "" )
        'Remove any previous filtering characters
64     .Range("G" & DataRow).Value = FilterBy & "*"
65 End With
66 End Sub
67
68 Sub ShowFilterGroup()
69     Dim DataRow As Long
70     With Sheet1
71         If .Range("B1").Value = Empty Then Exit Sub
72         DataRow = .Range("B1").Value 'Data Row
73         With .Shapes("FiltGrp" )
74             .Left = Sheet1.Range("H" & DataRow).Left
75             .Top = Sheet1.Range("H" & DataRow).Top
76             .IncrementTop -15
77             .Visible = msoCTrue
78         End With
79     End With
80 End Sub
```

A

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```
1 Option Explicit
2
3
4 Sub LoadLabel()
5     With Sheet1
6         Dim LabelRow As Long
7         Dim PicName As String
8         If .Range("B5").Value = Empty Then
9             MsgBox "Please select a correct label from the drop down list"
10            Exit Sub
11        End If
12        LabelRow = .Range("B5").Value 'Label Row
13        .Range("E9").Value = Sheet2.Range("B" & LabelRow).Value '# Labels Per Sheet
14        .Range("G9").Value = Sheet2.Range("C" & LabelRow).Value 'Type
15        .Range("E10").Value = Sheet2.Range("D" & LabelRow).Value 'Height
16        .Range("G10").Value = Sheet2.Range("E" & LabelRow).Value 'Width
17        .Range("E11").Value = Sheet2.Range("F" & LabelRow).Value 'Columns
18        .Range("G11").Value = Sheet2.Range("G" & LabelRow).Value 'Rows
19        .Range("E13").Value = Sheet2.Range("I" & LabelRow).Value 'Column Spacing
20        .Range("G13").Value = Sheet2.Range("J" & LabelRow).Value 'Row Spacing
21        .Range("E14").Value = Sheet2.Range("K" & LabelRow).Value 'Left Margin
22        .Range("G14").Value = Sheet2.Range("L" & LabelRow).Value 'Right Margin
23        .Range("E15").Value = Sheet2.Range("M" & LabelRow).Value 'Top Margin
24        .Range("G15").Value = Sheet2.Range("N" & LabelRow).Value 'Bottom Margin
25        PicName = Sheet2.Range("H" & LabelRow).Value 'Filename
26        Sheet2.Shapes(PicName).Copy
27        .Activate
28        .Range("H8").Select
29        Application.Wait Now + 0.00001
30        .Paste
31        On Error Resume Next
32        .Shapes("LabSheetPic").Delete
33        On Error GoTo 0
34        With .Shapes(PicName)
35            .Name = "LabSheetPic"
36            .Left = Sheet1.Range("H8").Left
37            .Top = Sheet1.Range("H8").Top
38            .LockAspectRatio = msoCTrue
39            .Width = 90
40            .IncrementLeft 40
41            If Sheet1.Range("5:16").EntireRow.Hidden = False Then
42                .Visible = msoCTrue
43            Else: .Visible = msoFalse
44            End If
45        End With
46        .Range("E8").Select
47    End With
48 End Sub
```

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```

1  Option Explicit
2
3  Sub ImportLabelData()
4      Dim DataFilePath As String, DataShtName As String
5      Dim DataWkBk As Workbook, ThisWkBk As Workbook
6
7      Dim FirstDataRow As Long, FirstDataCol As Long, LastDataCol As Long
8      Dim LastDataRow As Long, DataCol As Long, DataRow As Long
9
10     Dim TotalDataRows As Long, TotalDataColumns As Long
11     Dim TableRow As Long
12     Dim TableCol As Long
13     Dim ColCount As Long
14     Dim FirstAvailRow As Long
15
16
17     Dim MapCol As Long
18     Dim LastMapCol As Long
19     Dim CellFormat As String
20
21     With Sheet1
22         'Make sure an proper file path
23         DataFilePath = .Range("E20").Value 'Date File Path
24         If Dir(DataFilePath) = "" Then
25             MsgBox "Please select a proper data file for your labels"
26             CreateLabelStep2
27             Exit Sub
28         End If
29
30         Set ThisWkBk = ThisWorkbook 'Set Current Workbook To Import
31
32         'Get Data Workbook Variables
33         On Error Resume Next 'An error will occur if we set a workbook that is not open. If
34         the error occurs we can run a check and open the workbook
35         Set DataWkBk = Workbooks(Dir(DataFilePath)) 'Set Data Workbook
36         If DataWkBk Is Nothing Then 'Data Workbook is not open
37             Set DataWkBk = Workbooks.Open(DataFilePath)
38         End If
39         DataShtName = .Range("I21").Value 'Data Worksheet Name
40         FirstDataRow = .Range("F22").Value 'First Row of Data (excludes headers)
41         FirstDataCol = .Range("F23").Value 'First Column Of Data from the Data sheet
42         LastDataCol = .Range("H23").Value 'Last Data Column
43         LastDataRow = .Range("H22").Value 'Last Row Of Data
44         TotalDataRows = .Range("J22").Value 'Total Rows To Be copied
45         TotalDataColumns = .Range("J23").Value 'Total Columns To be copied
46         Sheet4.Range("A1:ZZ9999").ClearContents 'Clear Any Existing Data
47
48         'Copy Over headers (if any)
49         If .Range("B18").Value = True Then Range(Sheet4.Cells(1, 1), Sheet4.Cells(1,
50         TotalDataColumns)).Value = _
51         Range(DataWkBk.Sheets(DataShtName).Cells(FirstDataRow - 1, FirstDataCol), DataWkBk.
52         Sheets(DataShtName).Cells(FirstDataRow - 1, LastDataCol)).Value
53
54         'Copy Over Data
55         Range(Sheet4.Cells(2, 1), Sheet4.Cells(TotalDataRows + 1, TotalDataColumns)).Value = _
56         Range(DataWkBk.Sheets(DataShtName).Cells(FirstDataRow, FirstDataCol), DataWkBk.Sheets(
57         DataShtName).Cells(LastDataRow, LastDataCol)).Value
58         ThisWorkbook.Activate
59         Exit Sub
60         DuplicateSheet:
61         MsgBox "The Sheet Name '" & .Range("I30").Value & "' already exists" & vbCrLf &

```

```
58     1 2 "Please select a new worksheet name to add"  
59     End With  
60     End Sub  
61  
62  
63
```


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```

1  Option Explicit
2
3  Sub Add_LabelPic()
4      Dim PicFile As FileDialog
5      With Sheet1
6          Set PicFile = Application.FileDialog(msoFileDialogFilePicker)
7          With PicFile
8              .Title = "Select an Employee Picture"
9              .Filters.Add "All Picture Files" , "*.jpg,*jpeg,*gif*.png*.gif*.bmp*.tiff" , 1
10             If .Show <> -1 Then GoTo NoSelection
11             Sheet1.Range("B84" ).Value = .SelectedItems(1) 'Put File Name in B84
12         End With
13         'Run Macro to Show Picture
14         Show_LabelPic
15         NoSelection:
16     End With
17 End Sub
18
19 Sub Add_TextBox()
20     Dim TextBoxNumb As Long
21     With Sheet1
22         TextBoxNumb = .Range("B82" ).Value 'Text Box #
23         .Shapes("SampleTextBox" ).Copy
24         .Range("H83" ).Select
25         DoEvents
26         Application.Wait Now + 0.00001
27         .Paste
28         Selection.Name = "TxtBox" & TextBoxNumb
29         With .Shapes("TxtBox" & TextBoxNumb)
30             .TextFrame.Characters.Text = "Text Box"
31             .IncrementLeft 10
32             .IncrementTop 20
33             .Visible = msoCTrue
34         End With
35         .Range("B82" ).Value = .Range("B82" ).Value + 1 'Increment Text box #
36     End With
37 End Sub
38
39 Sub GroupTemplateShapes()
40     With Sheet1
41         Dim LabelShape As Shape, TemplateGroup As Shape
42         Dim ShapesNames As String
43         Dim GrpArr As Variant
44         For Each LabelShape In Sheet1.Shapes
45             If InStr(LabelShape.Name, "Data" ) > 0 Or InStr(LabelShape.Name, "Label" ) > 0 Or _
46                 InStr(LabelShape.Name, "LabelPic" ) Or InStr(LabelShape.Name, "ItemPicture" ) > 0
47                 Or _
48                 InStr(LabelShape.Name, "TxtBox" ) > 0 Then
49                 ShapesNames = ShapesNames & LabelShape.Name & ","
50             End If
51         Next LabelShape
52         If ShapesNames = Empty Then Exit Sub 'Grouped already or no shapes exist
53         ShapesNames = Left(ShapesNames, Len(ShapesNames) - 1)
54         GrpArr = Split(ShapesNames, "," )
55         On Error GoTo NoGroup
56         Set TemplateGroup = ThisWorkbook.Sheets("Label Creator" ).Shapes.Range((GrpArr)).Group
57         With TemplateGroup
58             .Name = "TemplateGroup"
59             .LockAspectRatio = msoCTrue
60             .Placement = xlMove
61             .Visible = msoFalse

```

1 2 3

```
61 1 2 3
62   End With
63   End With
64   NoGroup:
65   End Sub
66
67 Sub Show_LabelPic()
68
69     Dim PicPath As String
70     With Sheet1
71         On Error Resume Next
72         .Shapes("LabelPic" ).Delete 'Delete Picture if it exists
73         On Error GoTo 0
74         PicPath = .Range("B84" ).Value 'Path of the picture
75         If PicPath = Empty Then Exit Sub
76         With .Pictures.Insert(PicPath)
77             With .ShapeRange
78                 .LockAspectRatio = msoTrue
79                 .Height = 95
80                 .Name = "LabelPic"
81             End With 'Shape Range
82         End With 'Pictures
83
84         With .Shapes("LabelPic" )
85             .Left = Sheet1.Range("H84" ).Left
86             .Top = Sheet1.Range("H84" ).Top
87             .IncrementLeft 20
88             .IncrementTop 15
89             .ZOrder msoSendToBack
90         End With
91         .Shapes("BackLabShape" ).ZOrder msoSendToBack
92     End With
93 End Sub
94
95
96 Sub UngroupTemplateShape()
97     On Error Resume Next
98     With Sheet1.Shapes("TemplateGroup" )
99         .Visible = msoCTrue
100        .Ungroup
101    End With
102    On Error GoTo 0
103 End Sub
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```

1  Option Explicit
2
3  Sub CreateLabelStep1()
4      StopCalc 'Import Step 1
5      GroupTemplateShapes
6      ResetHideSteps
7      Sheet1.Shapes("Step1" ).Fill.ForeColor.RGB = RGB(50, 255, 50)
8      Sheet1.Shapes("Step1" ).TextFrame2.TextRange.Font.Fill.ForeColor.RGB = RGB(0, 0, 0)
9      Sheet1.Range("5:16" ).EntireRow.Hidden = False
10     Sheet1.Shapes("Step1Grp" ).Visible = msoCTrue
11
12     On Error Resume Next
13     With Sheet1.Shapes("LabSheetPic" )
14         .Name = "LabSheetPic"
15         .Left = Sheet1.Range("H8" ).Left
16         .Top = Sheet1.Range("H8" ).Top
17         .LockAspectRatio = msoCTrue
18         .Width = 90
19         .IncrementLeft 40
20         .Visible = msoCTrue
21     End With
22     Sheet1.Range("E8" ).Select
23     On Error GoTo 0
24     ResetCalc
25 End Sub
26
27 Sub CreateLabelStep2()
28     StopCalc 'Import Step 2
29     GroupTemplateShapes
30     ResetHideSteps
31     Sheet1.Range("17:77" ).EntireRow.Hidden = False
32     Sheet1.Shapes("Step2" ).Fill.ForeColor.RGB = RGB(50, 255, 50)
33     Sheet1.Shapes("Step2" ).TextFrame2.TextRange.Font.Fill.ForeColor.RGB = RGB(0, 0, 0)
34     Sheet1.Shapes("Step2Grp" ).Visible = msoCTrue
35     Sheet1.Range("E20" ).Select
36     ResetCalc
37 End Sub
38
39 Sub CreateLabelStep3()
40     Dim TempRow As Long
41     If Sheet1.Range("E20" ).Value = Empty Then
42         MsgBox "Please select a data file for your labels before moving onto the next step"
43         Exit Sub
44     End If
45     If Sheet1.Range("I21" ).Value = Empty Then
46         MsgBox "Please select a worksheet for your labels before moving onto the next step"
47         Sheet1.Range("I21" ).Select
48         Exit Sub
49     End If
50     StopCalc 'Import Step 3
51     ResetHideSteps
52     Sheet1.Range("78:132" ).EntireRow.Hidden = False
53     Sheet1.Shapes("Step3" ).Fill.ForeColor.RGB = RGB(50, 255, 50)
54     Sheet1.Shapes("Step3" ).TextFrame2.TextRange.Font.Fill.ForeColor.RGB = RGB(0, 0, 0)
55     Sheet1.Shapes("Step3Grp" ).Visible = msoCTrue
56     'If saved template position label based on Saved Left & Right value
57     If Sheet1.Range("B6" ).Value <> Empty Then 'Saved Template
58         TempRow = Sheet1.Range("B6" ).Value 'Template Row
59         If Sheet5.Range("J" & TempRow).Value <> Empty And Sheet5.Range("K" & TempRow).Value <
60             > Empty Then
61             On Error Resume Next 'If not grouped, an error would arise

```

1 2 3

```

61      1 2 3      Sheet1.Shapes("TemplateGroup" ).Top = Sheet1.Range("H83" ).Top + Sheet5.Range("J" &
TempRow).Value 'Reset Top Position
62      Sheet1.Shapes("TemplateGroup" ).Left = Sheet1.Range("H83" ).Left + Sheet5.Range("K"
& TempRow).Value 'Reset Left Position
63      On Error GoTo 0
64      End If
65
66
67      End If
68      UngroupTemplateShape 'Ungroup any lable shapes (if existing)
69      With Sheet1.Shapes("BackLabShape" )
70      .Height = Application.InchesToPoints(Sheet1.Range("E10" ).Value)
71      .Width = Application.InchesToPoints(Sheet1.Range("G10" ).Value)
72      .Visible = msoCTrue
73      End With
74      ImportLabelData
75      ResetCalc
76      End Sub
77
78      Sub CreateLabelStep4()
79      StopCalc 'Import Step 4
80      GroupTemplateShapes 'Group Shapes before moving to Step 4
81      ResetHideSteps
82      Sheet1.Range("133:180" ).EntireRow.Hidden = False
83      Sheet1.Shapes("Step4" ).Fill.ForeColor.RGB = RGB(50, 255, 50)
84      Sheet1.Shapes("Step4" ).TextFrame2.TextRange.Font.Fill.ForeColor.RGB = RGB(0, 0, 0)
85      Sheet1.Shapes("Step4Grp" ).Visible = msoCTrue
86      BuildLabelSheet
87      ResetCalc
88      FilterDataCreateLabels
89      End Sub
90
91      Sub ResetHideSteps()
92      With Sheet1 'Hide All Shapes & Rows
93      .Range("5:180" ).EntireRow.Hidden = True
94      .Shapes.Range(Array("ButtonSet" )).Fill.ForeColor.RGB = RGB(0, 97, 0)
95      .Shapes.Range(Array("ButtonSet" )).TextFrame2.TextRange.Font.Fill.ForeColor.RGB = RGB(
255, 255, 255)
96      .Shapes("Step1Grp" ).Visible = msoFalse
97      .Shapes("Step2Grp" ).Visible = msoFalse
98      .Shapes("Step3Grp" ).Visible = msoFalse
99      .Shapes("Step4Grp" ).Visible = msoFalse
100     On Error Resume Next
101     Sheet1.Shapes("LabSheetPic" ).Visible = msoFalse 'Hide Label Sheet Icon
102     Sheet1.Shapes("BackLabShape" ).Visible = msoFalse 'Hide LabelTemplate Background
103     Sheet1.Shapes("LabPreview" ).Visible = msoFalse
104     On Error GoTo 0
105     End With
106     End Sub

```

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Option Explicit

```

1  Option Explicit
2
3
4
5  Sub Template_Load()
6      Dim TempRow As Long, TempCol As Long, TempID As Long, LastDataRow As Long
7      Dim LastDetailRow As Long, DetailRow As Long, LastDetailResultRow As Long
8      Dim DataRow As Long, DesignRow As Long
9      With Sheet1
10         If .Range("B6").Value = Empty Then
11             MsgBox "Please select a correct Saved Label Template from the drop down list"
12             Exit Sub
13         End If
14         CreateLabelStep3 'Switch to Step 3
15         StopCalc
16         .Range("B10").Value = True 'Set Template Load To True
17         TempRow = .Range("B6").Value 'Template Row
18         For TempCol = 1 To 9 'Load All fields other than Template Name
19             If TempCol <> 2 Then .Range(Sheet5.Cells(1, TempCol).Value).Value = Sheet5.Cells(
20                 TempRow, TempCol).Value 'Pull data from saved template
21         Next TempCol
22         TempID = .Range("B7").Value 'Template ID
23         'Add in Label Data & Design Details
24         LastDetailRow = Sheet6.Range("A99999").End(xlUp).Row 'Last DetailRow
25         Sheet6.Range("A2:M" & LastDetailRow).AdvancedFilter xlFilterCopy, CriteriaRange:=
26             Sheet6.Range("R2:R3"), CopyToRange:=Sheet6.Range("T2:AF2"), Unique:=False
27         LastDetailResultRow = Sheet6.Range("T99999").End(xlUp).Row
28         If LastDetailResultRow < 3 Then GoTo NoDetails
29         For DetailRow = 3 To LastDetailResultRow
30             DataRow = Sheet6.Range("Z" & DetailRow).Value 'Data Row
31             .Range("D" & DataRow & ":E" & DataRow).Value = Sheet6.Range("U" & DetailRow &
32                 ":V" & DetailRow).Value 'Copy Over Column Header & First Row
33             .Range("G" & DataRow & ":I" & DataRow).Value = Sheet6.Range("W" & DetailRow &
34                 ":Y" & DetailRow).Value 'Copy Over Filter, Format Type, Format
35             .Range("K" & DataRow).Value = Sheet6.Range("AF" & DetailRow).Value 'Detail
36             Database Row
37             DesignRow = Sheet6.Range("AE" & DetailRow).Value 'Label Design Row
38             .Range("D" & DesignRow & ":G" & DesignRow).Value = Sheet6.Range("AA" & DetailRow
39                 & ":AD" & DetailRow).Value 'Copy Over Label Text, Data, Show Label & Date
40             .Range("K" & DesignRow).Value = Sheet6.Range("AF" & DetailRow).Value 'Detail
41             Database Row
42         Next DetailRow
43
44     NoDetails:
45     'Group any label shapes (if needed) Then delete the group shapes
46     GroupTemplateShapes
47     On Error Resume Next
48     .Shapes("TemplateGroup").Delete 'Delete any existing label groups before bringing in
49     previously saved from template
50     On Error GoTo 0
51
52     Sheet5.Shapes("Template" & TempID).Copy
53     .Activate 'Activate sheet 1 in case its not active
54     .Range("H83").Select
55     .Paste
56     Selection.Name = "TemplateGroup" 'Rename to Label Shape
57     With .Shapes("TemplateGroup")
58         .Top = Sheet1.Range("H83").Top + Sheet5.Range("J" & TempRow).Value 'Reset Top

```

1 2 3


```

1 2 3
54     Position
        .Left = Sheet1.Range("H83").Left + Sheet5.Range("K" & TempRow).Value 'Reset Left
        Position
55     End With
56
57     'Check If Step 1 is open
58     If .Range("5:27").EntireRow.Hidden = False Then
59         On Error Resume Next
60         Sheet1.Shapes("LabSheetPic").Visible = msoCTrue
61         Sheet1.Range("E8").Select
62         On Error GoTo 0
63     Else:
64         On Error Resume Next
65         Sheet1.Shapes("LabSheetPic").Visible = msoFalse
66         On Error GoTo 0
67     End If
68
69     'Check If Step 3 is open
70     If .Range("78:132").EntireRow.Hidden = False Then
71         UngroupTemplateShape 'Ungroup and show
72     Else:
73         .Shapes("TemplateGroup").Visible = msoFalse 'Hide template
74     End If
75     .Range("B10").Value = False 'Set Template Load To False
76     .Shapes("UpdateTempBtn").Visible = msoCTrue
77     .Shapes("SaveTempBtn").Visible = msoFalse
78     ActiveWindow.ScrollRow = 1
79 End With
80 ResetCalc
81 End Sub
82
83 Sub Template_SaveUpdate()
84     Dim TempRow As Long, TempCol As Long, TempID As Long, LastDataRow As Long
85     Dim DataRow As Long, DetailRow As Long, FirstAvailDetailRow As Long
86
87     Dim LabelShape As Shape
88     With Sheet1
89         If .Range("E2").Value = Empty Then
90             MsgBox "Please make sure the Label Template has a name"
91             .Range("E2").Select
92             Exit Sub
93         End If
94         If .Range("B6").Value = Empty Then 'New Template
95             TempRow = Sheet5.Range("A9999").End(xlUp).Row + 1 'First Avail. Template Row
96             Sheet5.Range("A" & TempRow).Value = .Range("B8").Value 'Add in Template ID using
97             net Template ID
98         Else 'Existing Template
99             TempRow = .Range("B6").Value 'Existing Template Row
100        End If
101        TempID = Sheet5.Range("A" & TempRow).Value 'Template ID
102        For TempCol = 2 To 9
103            Sheet5.Cells(TempRow, TempCol).Value = .Range(Sheet5.Cells(1, TempCol).Value).Value
104            'Add in Label Data
105        Next TempCol
106
107        'Add In Design. Delete Existing (if any)
108        On Error Resume Next
109        Sheet5.Shapes("Template" & TempID).Delete
110        On Error GoTo 0

```

1 2

```

1 2
111 'Check for Grouped Template shape (if not, group existing shapes)
112 On Error Resume Next
113 Set LabelShape = .Shapes("TemplateGroup" )
114 On Error GoTo 0
115
116 If LabelShape Is Nothing Then 'Run Group Shapes macro if group does not exist
117     GroupTemplateShapes
118     On Error Resume Next
119     Set LabelShape = .Shapes("TemplateGroup" ) 'Reset Shapes
120     On Error GoTo 0
121 End If
122
123 If LabelShape Is Nothing Then 'IF still nothing ask user to design label first
124     MsgBox "Please design your label before saving this template"
125     Exit Sub
126 End If
127 Sheet5.Range("J" & TempRow).Value = .Shapes("TemplateGroup" ).Top - .Range("H83" ).Top
    'Set Top Position
128 Sheet5.Range("K" & TempRow).Value = .Shapes("TemplateGroup" ).Left - .Range("H83" ).
    Left 'Set Left Position
129 LabelShape.Copy
130 Sheet5.Activate
131 Sheet5.Range("L" & TempRow).Select
132 Sheet5.Paste
133 Selection.Name = "Template" & TempID
134 Sheet5.Shapes("Template" & TempID).Visible = msoCTrue
135
136 'Add/Update in Template Data & Design Details
137 LastDataRow = Application.WorksheetFunction.CountA(.Range("D27:D77" )) + 26 'Find last
    Data Row For Imported Columns (cannot use xUp on hidden rows Last Data Row for
    Imported Columns
138 FirstAvailDetailRow = Sheet6.Range("A99999" ).End(xlUp).Row + 1 'First Available Data
    DetailRow
139 'Add Import & filter Details
140 For DataRow = 27 To LastDataRow
141     If .Range("K" & DataRow).Value <> "" Then
142         DetailRow = .Range("K" & DataRow).Value 'Detail Row
143     Else:
144         DetailRow = FirstAvailDetailRow
145         FirstAvailDetailRow = FirstAvailDetailRow + 1 'Increment First Available Row in
            Detail Database
146     End If
147     Sheet6.Range("A" & DetailRow).Value = TempID 'Add Template ID
148     Sheet6.Range("B" & DetailRow & ":C" & DetailRow).Value = .Range("D" & DataRow &
        ":E" & DataRow).Value 'Copy Over Column Header & First Row of Data
149     Sheet6.Range("D" & DetailRow & ":F" & DetailRow).Value = .Range("G" & DataRow &
        ":I" & DataRow).Value 'Copy Over Filer Data, Format Type & Format
150     Sheet6.Range("G" & DetailRow).Value = DataRow 'Data Row
151     Sheet6.Range("H" & DetailRow & ":K" & DetailRow).Value = .Range("D" & DataRow +
        56 & ":G" & DataRow + 56).Value 'Design Details
152     Sheet6.Range("L" & DetailRow).Value = DataRow + 56 'Set Design Row
153     Sheet6.Range("M" & DetailRow).Value = "=Row()" 'Database Row
154     .Range("K" & DataRow).Value = DetailRow
155 Next DataRow
156 'Check If Step 3 is open
157 If .Range("78:132" ).EntireRow.Hidden = False Then
158     UngroupTemplateShape 'Ungroup and show
159 Else:
160     GroupTemplateShapes 'Group & Hide Label Template
161 End If
162 .Shapes("UpdateTempBtn" ).Visible = msoCTrue 'Show Update button

```

1 2

```
163     1 2 .Shapes("SaveTempBtn" ).Visible = msoFalse 'Hide Save btnn
164     .Activate
165     End With
166 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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