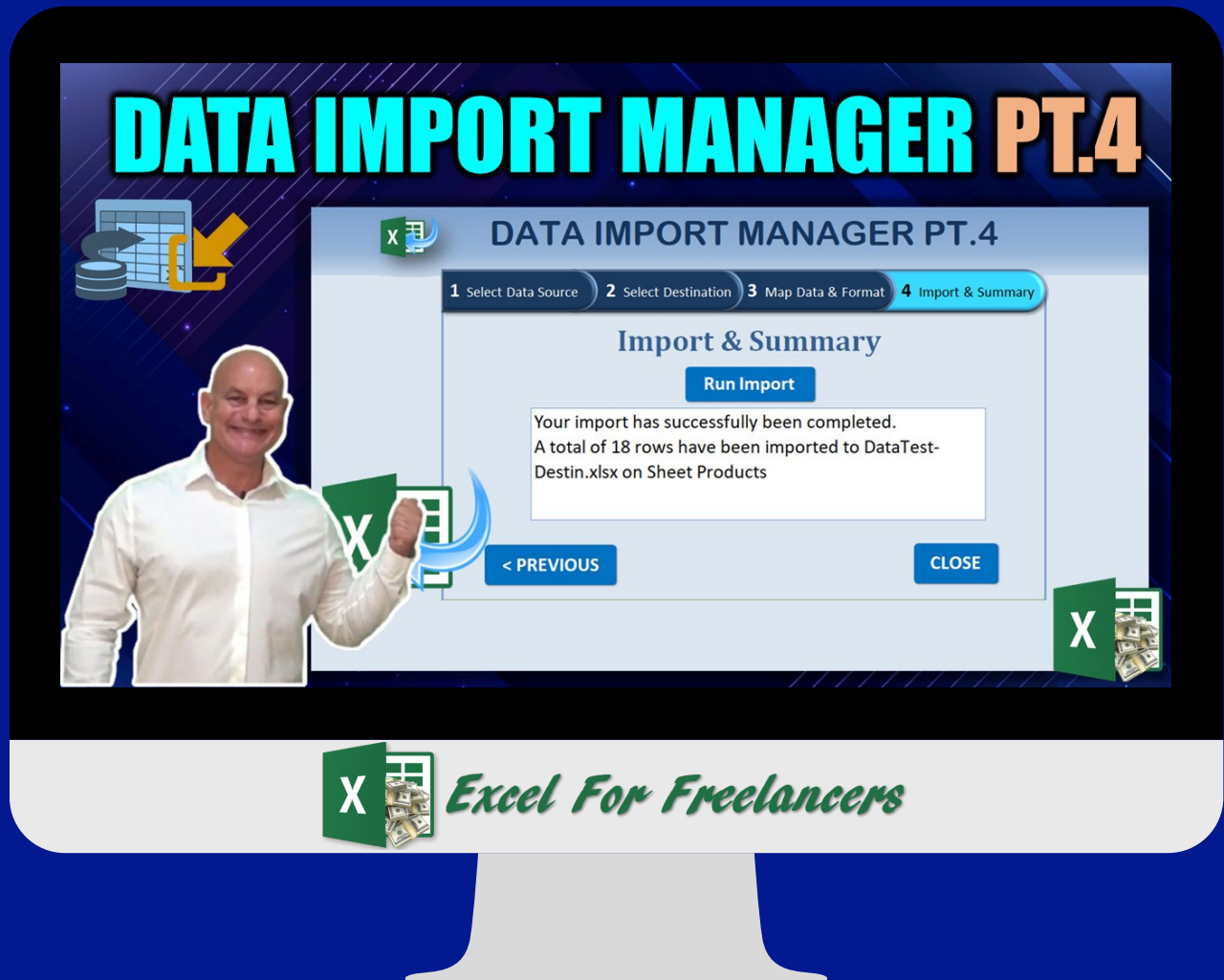


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ABOUT THE AUTHOR

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```
1 Option Explicit
2
3 Private Sub Worksheet_Change(ByVal Target As Range)
4     If Not Intersect(Target, Range("I9" )) Is Nothing Then GetSourceData 'Get Source workbook
5     data on worksheet Change
6
7     If Not Intersect(Target, Range("I29" )) Is Nothing Then GetDestinData 'Get
8     Destinationworksheet data on worksheet change
9
10    'On Change of Column Format, when Column D is not empty, and not on Mapping load, then
11    Update Format Validation and Value
12    If Not Intersect(Target, Range("H64:H163" )) Is Nothing And Range("D" & Target.Row).Value
13    <> Empty And Range("B62" ).Value = False Then
14    Range("I" & Target.Row).Validation.Delete
15    If Range("H" & Target.Row).Value <> "General" Then Range("I" & Target.Row).
16    Validation.Add Type:=xlValidateList, AlertStyle:=xlValidAlertStop, Operator:=xlBetween,
17    Formula1:="=" & Range("H" & Target.Row).Value & "FormatList"
18    End If
19
20    'On Change Of Format, update reformat sample Data
21    If Not Intersect(Target, Range("I64:I163" )) Is Nothing And Range("I" & Target.Row).Value
22    <> Empty Then
23    Range("E" & Target.Row).NumberFormat = Range("I" & Target.Row).Value 'Update Format
24    for sample data
25    End If
26 End Sub
```

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1 Option Explicit

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1 Option Explicit
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```
1 Option Explicit
2
3 Sub ResetCalc()
4     With Application
5         .EnableEvents = True
6         .Calculation = xlCalculationAutomatic
7         .ScreenUpdating = True
8     End With
9 End Sub
10
11 Sub StopCalc()
12     With Application
13         .EnableEvents = False
14         .Calculation = xlCalculationManual
15         .ScreenUpdating = False
16     End With
17 End Sub
18
```

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```

1  Option Explicit
2
3
4  Sub MapData_Load()
5      Dim SourceFilePath As String
6      Dim DestinFilePath As String
7      Dim SourceWkBk As Workbook
8      Dim DestinWkBk As Workbook
9      Dim ImportWkBk As Workbook
10     Dim SourceShtName As String
11     Dim DestinShtName As String
12     Dim WsRow As Long
13     Dim DestinHeaderRow As Long
14     Dim TableRow As Long
15     Dim TableCol As Long
16     Dim ColCount As Long
17     Dim FirstSourceDataRow As Long
18     Dim FirstSourceCol As Long
19     Dim FirstDestinDataRow As Long
20     Dim FirstDestinCol As Long
21     Dim LastDestinCol As Long
22     Dim DestinColNumb As Long
23     Dim MapRow As Long
24     Dim LastSourceRow As Long
25     Dim LastSourceCol As Long
26
27     Set ImportWkBk = ThisWorkbook 'Current Import Workbook
28     With Sheet1
29         'Check For Source Workbook
30         If .Range("E8").Value = Empty Then
31             MsgBox "Please select a Source Workbook to import"
32             ImportStep1
33             Exit Sub
34         End If
35
36         'Check For Destination Workbook (if a new workbook was not selected)
37         If .Range("B4").Value = 1 And .Range("E28").Value = Empty Then
38             MsgBox "Please select a Destination Workbook, or choose 'New Workbook' to import"
39             ImportStep2
40             Exit Sub
41         End If
42
43         .Range("B62").Value = True 'Set Mapping Load to True
44         .Range("A65:B165,D65:L165").ClearContents 'Clear Mapping Data
45         .Range("I65:J165").Validation.Delete 'Delete any existing Data Validation
46         .Range("E65:E165").NumberFormat = "General" 'Reset All Formats
47         SourceFilePath = .Range("E8").Value 'Source Workbook File Path
48
49         On Error Resume Next 'An error would occur if the workbook is not open
50         Set SourceWkBk = Workbooks(Dir(SourceFilePath)) 'Set Source Workbook
51         If SourceWkBk Is Nothing Then 'If Source Workbook Is Nothing that means it's not open,
52             so we need to open it
53             Set SourceWkBk = Workbooks.Open(SourceFilePath)
54             ThisWorkbook.Activate
55         End If
56         On Error GoTo 0
57
58         SourceShtName = .Range("I9").Value 'Source Worksheet Name
59
60         If .Range("B4").Value = 1 Then 'Existing Destination Workbook
61             DestinFilePath = .Range("E28").Value 'Destination Workbook File Path

```

```

1 2 3
61 On Error Resume Next
62 Set DestinWkBk = Workbooks(Dir(DestinFilePath)) 'Set Destination Workbook
63 If DestinWkBk Is Nothing Then
64     Set DestinWkBk = Workbooks.Open(DestinFilePath)
65     ThisWorkbook.Activate
66 End If
67 On Error GoTo 0
68 End If
69
70 'Get Source Data Variables
71 FirstSourceDataRow = .Range("F12").Value 'First Row of Source Data
72 LastSourceRow = .Range("I12").Value 'Last Row Of Source Data
73 FirstSourceCol = .Range("F13").Value 'First Column Of Source Data
74 LastSourceCol = .Range("I13").Value 'Last Column Of Source Data
75 ColCount = 1 'Set Initial Column Count
76
77 'Get Destination Data Variables
78 DestinShtName = .Range("I29").Value 'Destination Sheet Name
79 FirstDestinCol = .Range("F32").Value
80 LastDestinCol = .Range("J32").Value
81 FirstDestinDataRow = .Range("F31").Value
82 'If the Destination is a New Workbook, or New Sheet, set the # of Columns to default
to the # of Source Columns, otherwise the # of Columns is set to the Destination
Workbook Columns
83 If .Range("B4").Value = 2 Or .Range("I29").Value = "<New Worksheet>" Then
DestinColNumb = .Range("I16").Value Else: DestinColNumb = .Range("J32").Value
84
85
86 'Load Source Table Headers
87 MapRow = 65
88 For TableCol = FirstSourceCol To LastSourceCol
89     If .Range("A6").Value = True Then 'Headers Exist
90         .Range("D" & MapRow).Value = SourceWkBk.Sheets(SourceShtName).Cells(
FirstSourceDataRow - 1, TableCol).Value
91     Else: ' No Headers
92         .Range("D" & MapRow).Value = "Column" & ColCount
93         ColCount = ColCount + 1
94     End If
95     .Range("B" & MapRow).Value = TableCol 'Source Column Number
96     MapRow = MapRow + 1
97 Next TableCol
98
99
100 'Load Source Data & Source Format(First Row)
101 MapRow = 65 'Reset Map Row
102 For TableCol = FirstSourceCol To LastSourceCol
103     .Range("E" & MapRow).Value = SourceWkBk.Sheets(SourceShtName).Cells(
FirstSourceDataRow, TableCol).Value
104     .Range("L" & MapRow).Value = "=Cell(" & Chr(34) & "format" & Chr(34) & "," & Chr(34) &
Dir(SourceFilePath) & "]" & SourceShtName & "!" & SourceWkBk.Sheets(SourceShtName)
).Cells(FirstSourceDataRow, TableCol).Address & ")"
105     MapRow = MapRow + 1
106 Next TableCol
107
108 'Load Destination Column
109 MapRow = 65 'Reset Map Row
110 If .Range("B4").Value = 2 Or .Range("I29").Value = "<New Worksheet>" Then 'New
Destination Workbook or New Sheet
111     For TableCol = 1 To DestinColNumb - 1
112         .Range("G" & MapRow).Value = "Column" & FirstDestinCol & "(" & Replace(Replace
(.Cells(1, FirstDestinCol).Address, "1", "" ), "$", "" ) & ")" 'Set Default

```

1 2 3 4


```

1 2 3 4
Column
113 .Range("A" & MapRow).Value = "Column" & FirstDestinCol & "(" & Replace(Replace
      (.Cells(1, FirstDestinCol).Address, "1", "" ), "$", "" ) & ")" 'Build Drop
      Down Destination List
114 .Range("H" & MapRow).Value = .Range("N" & MapRow).Value 'Add In Cell Format
      Type
115 If .Range("N" & MapRow).Value <> Empty And .Range("N" & MapRow).Value <>
      "General" Then
116 .Range("I" & MapRow).Validation.Add Type:=xlValidateList, AlertStyle:=
      xlValidAlertStop, Operator:=xlBetween, Formula:="=" & .Range("N" & MapRow).
      Value & "FormatList"
117 .Range("I" & MapRow).Value = .Range("M" & MapRow).Value 'Default Format
      from source
118 End If
119 MapRow = MapRow + 1 'Increment Mappnig Row
120 FirstDestinCol = FirstDestinCol + 1 'Increment One Column To Right
121 Next TableCol
122 Else: 'Existing Table Destination
123 For TableCol = FirstDestinCol To LastDestinCol
124 If .Range("B6" ).Value = True Then DestinHeaderRow = .Range("F31" ).Value - 1
      Else DestinHeaderRow = .Range("F31" ).Value
125 .Range("G" & MapRow).Value = DestinWkBk.Sheets(DestinShtName).Cells(
      DestinHeaderRow, TableCol).Value
126 .Range("A" & MapRow).Value = DestinWkBk.Sheets(DestinShtName).Cells(
      DestinHeaderRow, TableCol).Value
127 'Determine Cell Formats
128
129 .Range("H" & MapRow).Value = .Range("N" & MapRow).Value 'Add In Cell Format
      Type
130 If .Range("N" & MapRow).Value <> Empty And .Range("N" & MapRow).Value <>
      "General" Then 'Update Cell Validation Type if Not general
131 .Range("I" & MapRow).Validation.Add Type:=xlValidateList, AlertStyle:=
      xlValidAlertStop, Operator:=xlBetween, Formula:="=" & .Range("N" & MapRow).
      Value & "FormatList"
132 .Range("I" & MapRow).Value = .Range("M" & MapRow).Value 'Default Format
      from Source
133 End If
134 MapRow = MapRow + 1 'Increment Mapping Row
135 Next TableCol
136 End If
137
138 .Range("B61" ).Value = True 'Set Mapping Completed to True
139 .Range("B62" ).Value = False 'Set Mapping Load to False
140 End With
141 End Sub

```

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```

1  Option Explicit
2
3  Sub BrowseForDestination()
4      Dim FileFldr As FileDialog
5      Dim DestinFilePath As String
6      Dim DestinWs As Worksheet
7      Dim ImportWkBk As Workbook
8      Dim DestinWkBk As Workbook
9      Dim WsRow As Long
10     Set ImportWkBk = ThisWorkbook
11     With Sheet1
12         .Range("B8:B100").ClearContents 'Clear any older source worksheets
13         .Range("E47:I53").ClearContents 'Clear Import Summary Message
14         .Range("A65:B165,D65:L165").ClearContents 'Clear Mapping Data"
15         .Range("I65:J165").Validation.Delete 'Delete any existing Data Validation
16         WsRow = 8 'Set Inital Worksheet Row to 8
17         Set FileFldr = Application.FileDialog(msoFileDialogFilePicker)
18         With FileFldr
19             .Title = "Select Destination File"
20             .Filters.Add "Excel Files", "*.xlsm,*.xlsx,*.xlsb, *.xls"
21             If .Show <> -1 Then GoTo NoSelection
22             Sheet1.Range("E28").Value = .SelectedItems(1) 'Get Full File Path
23         End With
24
25         DestinFilePath = .Range("E28").Value 'Long File Path
26         .Range("E29").Value = Dir(DestinFilePath, vbDirectory) 'File Name
27         On Error Resume Next
28         Set DestinWkBk = Workbooks(Dir(DestinFilePath)) 'Set Destination Workbook
29         If DestinWkBk Is Nothing Then
30             Set DestinWkBk = Workbooks.Open(DestinFilePath) 'Open Destination Workbook
31         End If
32
33         For Each DestinWs In DestinWkBk.Worksheets
34             Sheet1.Range("B" & WsRow).Value = DestinWs.Name
35             WsRow = WsRow + 1
36         Next
37         .Range("B" & WsRow).Value = "<New Worksheet>"
38         .Range("I29").Value = .Range("B8").Value 'Set Inital Sheet Name
39         NoSelection:
40         ThisWorkbook.Activate
41     End With
42 End Sub
43 Sub GetDestinData()
44     Dim DestinFilePath As String
45     Dim DestinShtName As String
46     Dim DestinWkBk As Workbook
47     Dim ImportWkBk As Workbook
48     Dim WsRow As Long
49     Dim FirstRow As Long
50     Dim TableRow As Long
51     Dim TableCol As Long
52     Dim FirstCol As Long
53     Dim LastRow As Long
54     Dim LastCol As Long
55
56     Set ImportWkBk = ThisWorkbook
57     With Sheet1
58         .Range("A65:B165,D65:L165").ClearContents 'Clear Mapping Data"
59         .Range("I65:J165").Validation.Delete 'Delete any existing Data Validation
60         .Range("E65:E165").NumberFormat = "General" 'Reset All Formats
61         .Range("E47:I53").ClearContents 'Clear Import Summary Message

```

```

62
63     1 2
64     If .Range("B4").Value = 1 And Range("I29").Value <> "<New Worksheet>" Then
65         'Existing Workbook (not new)
66         If .Range("E28").Value = Empty Or .Range("E28").Value = "<New Workbook>" Then
67             Exit Sub 'No workbook selected
68             DestinFilePath = .Range("E28").Value 'Destin Workbook File Path
69             On Error Resume Next
70             Set DestinWkBk = Workbooks(Dir(DestinFilePath)) 'Set Destination Workbook
71             If DestinWkBk Is Nothing Then
72                 Set DestinWkBk = Workbooks.Open(DestinFilePath) 'Open Destination Workbook
73             End If
74             DestinShtName = .Range("I29").Value 'Destin Worksheet Name
75
76             With DestinWkBk.Sheets(DestinShtName)
77                 'Get Last Row Of Data
78                 LastRow = .Cells.Find(What:="*", After:=.Range("A1"), _
79                     LookAt:=xlPart, LookIn:=xlFormulas, SearchOrder:=xlByRows, SearchDirection:=
80                     xlPrevious, MatchCase:=False).Row
81                 'Get Last Column Of Data
82                 LastCol = .Cells.Find(What:="*", After:=.Range("A1"), _
83                     LookAt:=xlPart, LookIn:=xlFormulas, SearchOrder:=xlByColumns, SearchDirection:=
84                     xlPrevious, MatchCase:=False).Column
85                 'On Error GoTo 0
86
87                 'Determine First Row Of Table w/ 70% of the cells filled
88                 For TableRow = 1 To LastRow
89                     If (Application.WorksheetFunction.CountA(Range(.Cells(TableRow, 1), .Cells(
90                         TableRow, LastCol)))) / LastCol) >= 0.7 Then
91                         FirstRow = TableRow
92                         Exit For
93                     End If
94                 Next TableRow
95
96                 'Determine First Column Of Table w/ 50% of the cells filled
97                 For TableCol = 1 To LastCol
98                     If (Application.WorksheetFunction.CountA(Range(.Cells(1, TableCol), .Cells(
99                         LastRow, TableCol)))) / LastRow) >= 0.5 Then
100                         FirstCol = TableCol
101                         Exit For
102                     End If
103                 Next TableCol
104             End With
105
106             'For existing Destination workbooks with headers, add 1 to First Row
107             If .Range("B6").Value = True And .Range("B4").Value = 1 Then FirstRow = FirstRow +
108                 1
109
110             .Range("F31").Value = FirstRow 'Set First Row Of Destin Data
111             .Range("F33").Value = LastRow 'Set Last Row Of Destin Data
112             .Range("F32").Value = FirstCol 'Set First Column Of Destin Data
113             .Range("J32").Value = LastCol 'Set Last Column Of Destin Destin Data
114
115         Else: 'New Destination Workbook or New Worksheet
116
117             .Range("F31").Value = 2 'Set First Row Of Destin Data
118             .Range("F33").Value = 1 'Set Last Row Of Destin Data
119             .Range("F32").Value = 1 'Set First Column Of Destin Data
120             .Range("J32").Value = 1 'Set Last Column Of Destin Destin Data
121             If .Range("I29").Value = "<New Worksheet>" Then .Range("I30").Value = "New
122                 Sheet" 'Set Default New Worksheet Name

```

1 2 3

```
1 2 3
115     End If
116     .Range("B61").Value = False 'Reset Mapping Complete to False
117 End With
118
119     ImportWkBk.Activate
120     Exit Sub
121     MissingDestin:
122     MsgBox "Please check for a correct Destination Workbook"
123 End Sub
124
125 Sub UseExistingWorkbook()
126     With Sheet1
127         .Shapes("DestWkbkBtn").Visible = msoCTrue
128         .Range("E28:J28,I29:J29,B8:B60").ClearContents
129         .Range("A65:B165,D65:L165").ClearContents 'Clear Mapping Data
130         .Range("I65:J165").Validation.Delete 'Delete any existing Data Validation
131         .Range("B61").Value = False 'Reset Mapping to 'Incomplete'
132         .Range("E65:E165").NumberFormat = "General" 'Reset All Formats
133     End With
134 End Sub
135
136 Sub UseNewWorkbook()
137     With Sheet1
138         .Range("E29:F29,B8:B60").ClearContents
139         .Range("A65:B165,D65:L165").ClearContents 'Clear Mapping Data
140         .Range("I65:J165").Validation.Delete 'Delete any existing Data Validation
141         .Range("E65:E165").NumberFormat = "General" 'Reset All Formats
142         .Range("B8, I29").Value = "Sheet1"
143         .Range("B9").Value = "Sheet2"
144         .Range("B10").Value = "Sheet3"
145         .Range("E28").Value = "<New Workbook>"
146         .Range("F31").Value = 2 'Set First Row of Data
147         .Range("F32").Value = 1 'Set First Column of Data
148         .Range("B61").Value = False 'Reset Mapping to 'Incomplete'
149         .Shapes("DestWkbkBtn").Visible = msoFalse
150     End With
151 End Sub
```

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Option Explicit

```
Sub CloseImportWkBk()  
    Sheet1.Range("E47:I53").ClearContents  
    ThisWorkbook.Close True  
End Sub
```

```
Sub ImportData()  
    Dim SourceFilePath As String  
    Dim DestinFilePath As String  
  
    Dim SourceWkBk As Workbook  
    Dim DestinWkBk As Workbook  
    Dim ImportWkBk As Workbook  
  
    Dim NewDestinSht As Worksheet  
    Dim SourceShtName As String  
    Dim DestinShtName As String  
  
    Dim FirstSourceDataRow As Long  
    Dim FirstSourceCol As Long  
    Dim LastSourceCol As Long  
    Dim LastSourceRow As Long  
    Dim SourceCol As Long  
  
    Dim FirstDestinDataRow As Long  
    Dim FirstDestinCol As Long  
    Dim LastDestinCol As Long  
    Dim LastDestinDataRow As Long  
    Dim DestinCol As Long  
  
    Dim TotalImportRows As Long  
    Dim TableRow As Long  
    Dim TableCol As Long  
    Dim ColCount As Long  
    Dim FirstAvailRow As Long  
  
    Dim MapCol As Long  
    Dim LastMapCol As Long  
    Dim CellFormat As String  
  
    With Sheet1  
        'Make sure Data Mapping has been done  
        If .Range("B61").Value = False Then 'Mapping incomplete  
            MsgBox "Please complete Data Mapping before import"  
            ImportStep3  
        End If  
  
        Set ImportWkBk = ThisWorkbook 'Set Current Workbook To Import  
  
        'Get Source Workbook Variables  
        SourceFilePath = .Range("E8").Value 'Source Workbook File Path  
        On Error Resume Next 'An error will occur if we set a workbook that is not open. If  
        the error occurs we can run a check and open the workbook  
        Set SourceWkBk = Workbooks(Dir(SourceFilePath)) 'Set Source Workbook  
        If SourceWkBk Is Nothing Then 'Source Workbook is not open  
            Set SourceWkBk = Workbooks.Open(SourceFilePath)  
        End If  
    End With
```

1 2

```

1 2
61 SourceShtName = .Range("I9" ).Value 'Source Worksheet Name
62 FirstSourceDataRow = .Range("F12" ).Value 'First Row of Data (excludes headers)
63 FirstSourceCol = .Range("F13" ).Value 'First Column Of Data from the source sheet
64 LastSourceCol = .Range("I13" ).Value 'Last Source Column
65 LastSourceRow = .Range("I12" ).Value 'Last Row Of Data
66 TotalImportRows = .Range("F16" ).Value 'Total Rows To Be Imported
67
68
69 'Get Destination Workbook Variables
70 If .Range("B4" ).Value = 1 Then 'Use Existing Workbook
71     DestinFilePath = .Range("E28" ).Value 'Destination file Path
72     On Error Resume Next 'If workbook is not open, a but would display
73     Set DestinWkBk = Workbooks(Dir(DestinFilePath)) 'Set Destination Workbook
74     If DestinWkBk Is Nothing Then 'Workbook is not open, so open it
75         Set DestinWkBk = Workbooks.Open(DestinFilePath)
76     End If
77     LastDestinDataRow = .Range("F33" ).Value 'Last Row of Data in Destination
78 Else: 'Use New Workbook
79     Set DestinWkBk = Workbooks.Add 'Set New Destination Workbook
80     DestinFilePath = SourceWkBk.Path & "\ " & .Range("E29" ).Value & ".xlsx" 'Set
    Destination File Path To Save New Workbook
81 End If
82 DestinShtName = .Range("I29" ).Value 'Destination Worksheet Name
83 FirstDestinDataRow = .Range("F31" ).Value 'First Row of Data in Destination
84 FirstDestinCol = .Range("F32" ).Value 'First Column of Destination Data
85 LastDestinCol = .Range("J32" ).Value 'Last Column Of Destination Data
86
87 'Create A New Worksheet on Existing Workbook if '<New Worksheet>' Chosen
88 If .Range("B4" ).Value = 1 And DestinShtName = "<New Worksheet>" Then
89     On Error GoTo DuplicateSheet
90     Set NewDestinSht = DestinWkBk.Sheets.Add(After:=DestinWkBk.Sheets(DestinWkBk.Sheets.
    Count))
91     If .Range("I30" ).Value <> Empty Then NewDestinSht.Name = .Range("I30" ).Value Else:
    NewDestinSht.Name = "New Sheet" 'Set New Sheet Name to Default or user set
92     DestinShtName = NewDestinSht.Name 'Rename Variable to newly created sheet name
93 End If
94
95
96 'Get First Available Row In Destination
97 If .Range("B4" ).Value = 1 And .Range("I29" ).Value <> "<New Worksheet>" And .Range(
    "I31" ).Value = "Add To Existing Data" Then 'Add To Existing Data (Do Not Replace)
98     FirstAvailRow = LastDestinDataRow + 1 'Last Row In Destination With a value + 1
99 Else:
100     FirstAvailRow = FirstDestinDataRow
101 End If
102
103
104 'Copy Over Data & Formats From Source To Destination
105 LastMapCol = Application.WorksheetFunction.CountA(.Range("A65:A163" )) + 64 'Use
    instad of End(xlup) for hidden rows & columns
106
107
108 TableCol = FirstDestinCol 'Set Intial Table Column
109 'Check to See if we are copying over headers
110 If .Range("B4" ).Value = 2 Or .Range("I29" ).Value = "<New Worksheet>" Then 'New
    Workbook or New Worksheet, add headers
111     For MapCol = 65 To LastMapCol
112         If .Range("G" & MapCol).Value <> "<Do Not Import>" Then
113             DestinCol = .Range("O" & MapCol).Value + FirstDestinCol - 1
114             DestinWkBk.Sheets(DestinShtName).Cells(FirstDestinDataRow - 1, DestinCol).
    Value = .Range("D" & MapCol).Value 'Add Column Header

```

1 2 3 4 5


```

1 2 3 4 5
115     TableCol = TableCol + 1 'Increase The Column Count By 1
116     End If
117     Next MapCol
118 End If
119
120     'If Using Existing Destination Workbook, On an Existing Sheet AND Replacing Data, then
121     clear old data
122     If .Range("B4" ).Value = 1 And .Range("I29" ).Value <> "<New Worksheet>" And .Range(
123     "I31" ).Value = "Replace Existing Data" Then
124         Range(DestinWkBk.Sheets(DestinShtName).Cells(FirstDestinDataRow, FirstDestinCol),
125         DestinWkBk.Sheets(DestinShtName).Cells(LastDestinDataRow, LastDestinCol)).
126         ClearContents
127     End If
128
129     'Copy Over Data & Formats
130     TableCol = FirstDestinCol 'Reset Initial Table Column
131     For MapCol = 65 To LastMapCol 'For Each Column in Source From Data Mapping
132     If .Range("G" & MapCol).Value <> "<Do Not Import>" Then
133         SourceCol = .Range("B" & MapCol).Value 'Determine Source Column
134         DestinCol = .Range("O" & MapCol).Value + FirstDestinCol - 1 'Determine
135         Destination Column
136         Range(DestinWkBk.Sheets(DestinShtName).Cells(FirstAvailRow, DestinCol),
137         DestinWkBk.Sheets(DestinShtName).Cells(FirstAvailRow + TotalImportRows - 1,
138         DestinCol)).Value = _
139         Range(SourceWkBk.Sheets(SourceShtName).Cells(FirstSourceDataRow, SourceCol),
140         SourceWkBk.Sheets(SourceShtName).Cells(LastSourceRow, SourceCol)).Value
141
142         'Add In Formats
143         If .Range("I" & MapCol).Value <> "" Then CellFormat = .Range("I" & MapCol).
144         Value Else CellFormat = "General" 'Determine Cell Format
145         Range(DestinWkBk.Sheets(DestinShtName).Cells(FirstAvailRow, DestinCol),
146         DestinWkBk.Sheets(DestinShtName).Cells(FirstAvailRow + TotalImportRows - 1,
147         DestinCol)).NumberFormat = CellFormat
148         TableCol = TableCol + 1 'Create a column count and increase it by 1
149     End If
150     Next MapCol
151     Range(DestinWkBk.Sheets(DestinShtName).Cells(1, FirstDestinCol), DestinWkBk.Sheets(
152     DestinShtName).Cells(1, DestinCol)).EntireColumn.AutoFit
153     If .Range("B4" ).Value = 1 Then DestinWkBk.Save Else DestinWkBk.SaveAs DestinFilePath
154     'Save Destination Workbook (if existing), or Save As (if new)
155
156     .Range("E47" ).Value = "Your import has successfully been completed." & vbCrLf & "A
157     total of " & TotalImportRows & " rows have been imported to " & DestinWkBk.Name & "
158     on Sheet " & DestinShtName
159     ImportWkBk.Activate
160     Exit Sub
161     DuplicateSheet:
162     MsgBox "The Sheet Name '" & .Range("I30" ).Value & "' already exists" & vbCrLf &
163     "Please select a new worksheet name to add"
164 End With
165 End Sub

```

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Option Explicit

```
1
2
3 Sub BrowseForSource()
4     Dim FileFldr As FileDialog
5     Dim SourceFilePath As String
6     Dim SourceWs As Worksheet
7     Dim SourceWkBk As Workbook
8     Dim WsRow As Long
9
10    With Sheet1
11        .Range("A8:A60").ClearContents 'Clear any older source worksheets
12        .Range("E28:J28,I29:J29,B8:B60").ClearContents
13        .Range("A65:B165,D65:L165").ClearContents 'Clear Mapping Data
14        .Range("E47:I53").ClearContents 'Clear Import Summary Message
15        .Range("I65:J165").Validation.Delete 'Delete any existing Data Validation
16        .Range("B61").Value = False 'Reset Mapping to 'Incomplete'
17        WsRow = 8 'Set Inital Worksheet Row to 8
18        Set FileFldr = Application.FileDialog(msoFileDialogFilePicker)
19        With FileFldr
20            .Title = "Select Source File"
21            .Filters.Add "Excel Files", "*.xlsm,*.xlsx,*.xlsb,*.xls"
22            If .Show <> -1 Then GoTo NoSelection
23            Sheet1.Range("E8").Value = .SelectedItems(1) 'Get Full File Path
24        End With
25
26        SourceFilePath = .Range("E8").Value 'Long File Path
27        .Range("E9").Value = Dir(SourceFilePath, vbDirectory) 'File Name
28        Workbooks.Open (SourceFilePath) 'Open Source Workbook
29        Set SourceWkBk = Workbooks(Dir(SourceFilePath)) 'Set Source Workbook
30
31        For Each SourceWs In SourceWkBk.Worksheets
32            Sheet1.Range("A" & WsRow).Value = SourceWs.Name
33            WsRow = WsRow + 1
34        Next
35        .Range("I9").Value = .Range("A8").Value 'Set Inital Sheet Name
36        NoSelection:
37    End With
38 End Sub
```

```
39
40
41 Sub GetSourceData()
42     Dim SourceFilePath As String
43     Dim SourceShtName As String
44     Dim SourceWkBk As Workbook
45     Dim ImportWkBk As Workbook
46     Dim WsRow As Long
47     Dim FirstRow As Long
48     Dim TableRow As Long
49     Dim TableCol As Long
50     Dim FirstCol As Long
51     Dim LastRow As Long
52     Dim LastCol As Long
53
54     Set ImportWkBk = ThisWorkbook
55     With Sheet1
56         SourceFilePath = .Range("E8").Value 'Source Workbook File Path
57         On Error GoTo MissingWorkbook
58         Set SourceWkBk = Workbooks(Dir(SourceFilePath)) 'Set Source Workbook
59         SourceShtName = .Range("I9").Value 'Source Worksheet Name
60     End With
61
```

```
1
62
63 With SourceWkBk.Sheets(SourceShtName)
64
65     'Get Last Row Of Data
66     'On Error Resume Next
67     LastRow = .Cells.Find(What:="*", After:=.Range("A1"), _
68     Lookat:=xlPart, LookIn:=xlFormulas, SearchOrder:=xlByRows, SearchDirection:=xlPrevious,
        MatchCase:=False).Row
69     'Get Last Column Of Data
70     LastCol = .Cells.Find(What:="*", After:=.Range("A1"), _
71     Lookat:=xlPart, LookIn:=xlFormulas, SearchOrder:=xlByColumns, SearchDirection:=
        xlPrevious, MatchCase:=False).Column
72     On Error GoTo 0
73
74     'Determine First Row Of Table w/ 70% of the cells filled
75     For TableRow = 1 To LastRow
76         If (Application.WorksheetFunction.CountA(Range(.Cells(TableRow, 1), .Cells(TableRow,
77         LastCol))) / LastCol) >= 0.7 Then
78             FirstRow = TableRow
79             Exit For
80         End If
81     Next TableRow
82
83     'Determine First Column Of Table w/ 50% of the cells filled
84     For TableCol = 1 To LastCol
85         If (Application.WorksheetFunction.CountA(Range(.Cells(1, TableCol), .Cells(LastRow,
86         TableCol))) / LastRow) >= 0.5 Then
87             FirstCol = TableCol
88             Exit For
89         End If
90     Next TableCol
91
92 End With
93
94 If Sheet1.Range("A6").Value = True Then FirstRow = FirstRow + 1
95
96 Sheet1.Range("F12").Value = FirstRow 'Set First Row Of Source Data
97 Sheet1.Range("I12").Value = LastRow 'Set Last Row Of Source Data
98 Sheet1.Range("F13").Value = FirstCol 'Set First Column Of Source Data
99 Sheet1.Range("I13").Value = LastCol 'Set Last Column Of Source Source Data
100
101 ImportWkBk.Activate
102 Exit Sub
103 MissingWorkbook:
104 MsgBox "Please check for a correct Source Workbook"
105
106
107
```

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```
1 Option Explicit
2
3 Sub ImportStep1()
4 StopCalc 'Import Step 1
5 ResetHideSteps
6 Sheet1.Shapes("Step1").Fill.ForeColor.RGB = RGB(51, 204, 255)
7 Sheet1.Shapes("Step1").TextFrame2.TextRange.Font.Fill.ForeColor.RGB = RGB(0, 0, 0)
8 Sheet1.Range("5:22").EntireRow.Hidden = False
9 Sheet1.Shapes("Step1Grp").Visible = msoCTrue
10 ResetCalc
11 End Sub
12
13 Sub ImportStep2()
14 StopCalc 'Import Step 2
15 ResetHideSteps
16 Sheet1.Range("23:40").EntireRow.Hidden = False
17 Sheet1.Shapes("Step2").Fill.ForeColor.RGB = RGB(51, 204, 255)
18 Sheet1.Shapes("Step2").TextFrame2.TextRange.Font.Fill.ForeColor.RGB = RGB(0, 0, 0)
19 Sheet1.Shapes("Step2Grp").Visible = msoCTrue
20 ResetCalc
21 End Sub
22
23 Sub ImportStep3()
24 StopCalc 'Import Step 3
25 ResetHideSteps
26 Sheet1.Range("59:95").EntireRow.Hidden = False
27 Sheet1.Shapes("Step3").Fill.ForeColor.RGB = RGB(51, 204, 255)
28 Sheet1.Shapes("Step3").TextFrame2.TextRange.Font.Fill.ForeColor.RGB = RGB(0, 0, 0)
29 Sheet1.Shapes("Step3Grp").Visible = msoCTrue
30 ResetCalc
31 End Sub
32
33 Sub ImportStep4()
34 StopCalc 'Import Step 4
35 ResetHideSteps
36 Sheet1.Range("41:58").EntireRow.Hidden = False
37 Sheet1.Shapes("Step4").Fill.ForeColor.RGB = RGB(51, 204, 255)
38 Sheet1.Shapes("Step4").TextFrame2.TextRange.Font.Fill.ForeColor.RGB = RGB(0, 0, 0)
39 Sheet1.Shapes("Step4Grp").Visible = msoCTrue
40 ResetCalc
41 End Sub
42
43 Sub ResetHideSteps()
44 With Sheet1 'Hide All Shapes & Rows
45 .Range("5:95").EntireRow.Hidden = True
46 .Shapes.Range(Array("ButtonSet")).Fill.ForeColor.RGB = RGB(21, 51, 87)
47 .Shapes.Range(Array("ButtonSet")).TextFrame2.TextRange.Font.Fill.ForeColor.RGB = RGB(
48 255, 255, 255)
49 .Shapes("Step1Grp").Visible = msoFalse
50 .Shapes("Step2Grp").Visible = msoFalse
51 .Shapes("Step3Grp").Visible = msoFalse
52 .Shapes("Step4Grp").Visible = msoFalse
53 End With
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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