

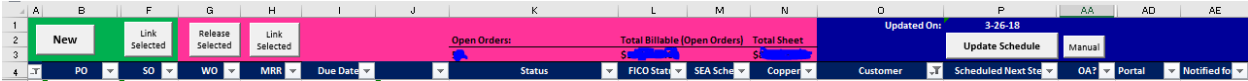
Excel/VBA Project

Dashboard to automate repetitive SAP tasks, track order status, and manage pending actions and shipments. Developed with a combination of formulas and hundreds of lines of VBA coding over the course of 2-3 months working part-time along with normal responsibilities. Rolled out to my team of 7 to save time and minimize mistakes.

Automation areas of note:

- Data validation
- Error handling
- Layout customization
- Data protection
- Data file importing
- Creating and linking folders
- Searching and copying documents
- Sending emails

Main Dashboard (Heading):



Data entry screen for SAP automation:

Planner ID	BU	Segment	PO Date	PO#	OD	Weight	Connection	End Type	Grade	Quantity	Price	Pup-Joir	X-Over?
Zach	77	921										No	No
Customer	Ship To	End User	Due Date	Payment Ter	X-Over	End 2 Information	End Type 2	Extra Charges					
			30 days				N/A						

Customer Name:		
End User Name:		
MRR:		

Items	PO Date	Due Date	OD	Weight	Connection	Grade	End Typ	End Type	Quantity	Price	Pup-Joir	X-Over	X-Over 2nd End Info	OD 2	Weight	Connection	Extra Char	Price/LL
1																		\$0.00
2																		\$0.00
3																		\$0.00
4																		\$0.00
5																		\$0.00
6																		\$0.00
7																		\$0.00
8																		\$0.00
9																		\$0.00
10																		\$0.00
11																		\$0.00
12																		\$0.00
13																		\$0.00
14																		\$0.00
15																		\$0.00
16																		\$0.00
17																		\$0.00
18																		\$0.00
19																		\$0.00
20																		\$0.00

# of Pins:	0	# of Boxes:	0	Total PO Price:	\$0.00
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Code snippets

```

'-----
'PULL SETTINGS
'-----

Dim User_Login, SAP_GUI_Path, MRR_Path, WO_IP_Path, Schedule_Path, ShippingSchedule_Path, COC_Path As String

User_Login = ThisWorkbook.Worksheets("Settings").Range("C4").Value
SAP_GUI_Path = ThisWorkbook.Worksheets("Settings").Range("C6").Value
MRR_Path = ThisWorkbook.Worksheets("Settings").Range("C7").Value
WO_IP_Path = ThisWorkbook.Worksheets("Settings").Range("C8").Value
Schedule_Path = ThisWorkbook.Worksheets("Settings").Range("C9").Value
ShippingSchedule_Path = ThisWorkbook.Worksheets("Settings").Range("C10").Value
COC_Path = ThisWorkbook.Worksheets("Settings").Range("C11").Value

'-----

'-----
'SEARCH FIND AND NAME COLUMNS BY NAME

ThisWorkbook.Worksheets("Orders").Outline.ShowLevels(RowLevels=15, ColumnLevels=15)
Worksheets("Orders").Outline _
    .ShowLevels rowLevels:=3, columnLevels:=8

If ActiveSheet.AutoFilterMode Then ActiveSheet.AutoFilter.ShowAllData
'Selection.Columns.Ungroup

strSearch = "PO"

Set aCell = ThisWorkbook.Worksheets("Orders").Rows(4).Find(What:=strSearch, LookIn:=xlFormulas, _
    LookAt:=xlWhole, SearchOrder:=xlByRows, SearchDirection:=xlNext, _
    MatchCase:=False, SearchFormat:=False)

```

```

'SEARCH FOR EXISTING SO FOLDER AND CREATE IF IT DOESN'T EXIST
'find the address based on the SO input in the sheet
FolderToSearch = sonumber
If FolderToSearch = "" Then

Else
AddressWeFound = Dir(WO_IP_Path & FolderToSearch & "*", vbDirectory)
End If
'if the folder doesn't exist, create it
If AddressWeFound = "" Then
MkDir WO_IP_Path & FolderToSearch & " " & customerName
AddressWeFound = Dir(WO_IP_Path & FolderToSearch & "*", vbDirectory)
End If

'for each line, link the SO to the folder
With Worksheets("Orders")
.Hyperlinks.Add Anchor:=.Range(SO_column & ordersRowCount + i), _
Address:=WO_IP_Path & AddressWeFound, _
TextToDisplay:=FolderToSearch
End With

'-----copy the OA to the folder-----
If OAOnce = False Then
Dim OAWeFound As String

OAWeFound = Dir(SAP_GUI_Path & "00" & sonumber & "*", vbNormal)

'copy the OA in to the folder
fso.CopyFile SAP_GUI_Path & OAWeFound, WO_IP_Path & AddressWeFound & "/"
OAOnce = True
End If

'-----

'-----
If isCreditBlocked = True Then
ThisWorkbook.Sheets(1).Range(DailyNotes_column & ordersRowCount + i).Value = "credit blocked"
End If

Next i
Sheets("Orders").Activate

'IF CREDIT BLOCKED, SEND EMAIL FOR RELEASE
If isCreditBlocked = True Then
,
,
ToAddress = "[REDACTED]"
ToAddress1 = "[REDACTED]"
ToAddress2 = "[REDACTED]"
ToAddress3 = "[REDACTED]"
ToAddress4 = "[REDACTED]"
,
,
MessageSubject = "Credit Release SO# " & sonumber & " for " & customerName
Set ol = CreateObject("Outlook.Application")
Set newMail = ol.CreateItem(olMailItem)
newMail.Subject = MessageSubject
newMail.Recipients.Add (ToAddress)
newMail.Recipients.Add (ToAddress1)
newMail.Recipients.Add (ToAddress2)
newMail.Recipients.Add (ToAddress3)
newMail.Recipients.Add (ToAddress4)
,
newMail.Body = "Can you please credit release SO# " & sonumber & " for " & customerName & "?"
newMail.Send

'MsgBox "SO is credit blocked, email sent for release."
ElseIf isCreditBlocked = False Then
,

```