Validation – Sample – How to warn user if an alternative item has more stock than the one being sold

Summary	
Module	Universal functions
Level	Advanced
Requirements	B1UP 2015.08 or higher

Description

This sample will show you how to warn user when entering Sales Order that there is an alternative item that holds more stock than the one being sold.

Pre-Requisite

As a pre-requisite, of course we need to put in the Alternative Item.

Alte	rnative Item	s		_ 🗆	×				
Item	n No.	⇒A00004	Item Description	HP Color Laser Jet 5					
Find	ł								
#	Item No.	Remarks		Match Factor	7				
1	📫 A00005			100.000	*				
2		0		100.000					

Add B1 Validation in the Sales Order

In this example we use the Sales Order but of course you can use it in any documents. Also in this example, we are putting in one item and therefore only one item is appearing on the resulting report. You are welcome to add additional condition in the Query such as Match Factor, or Onhand quantity over certain number, etc.

We are using validation for this function and not line loop because in real life, customer will enter item numbers one by one. It would be more convenient for user to change soon as they finish entering the item number and still in the same position rather than when the whole document is finished then go back to find the lines and update the items.

We will add a new validation on the Sales Order by right clicking on item code field, then select B1 Usability Package > Add B1 Validation Configuration > When this column is validated.

Sales Order				
Customer 🔿 🖸	C20000	No.	Primary	434
Name N	Norm Thompson	Status		Open
Contact Person 📫 N	N Cut	9	Date	23/06/2017
Customer Ref. No.		D	/ Date	23/06/2017
Local Currency 🔻	Copy	ne	ent Date	23/06/2017
	Copy system info	rmation 🕨 🕨	Document	No
	Copy <u>T</u> able			
	P <u>a</u> ste		Course line	Search
	Delete	- H	Search line	Search
Contents		с.:	Atta	chments
Item/Service Type	IVIaximise/Restore	Grid		
# Tree The No	💾 💽 🛛 B1 Usability Packa	ige 🔰 🧯	Configura	tion overview
1 Type Item No.	🔄 📆 Create Template		Move con	figuration right clicks out of
2 × A	When this column is valid	lated 📐 😫	👌 🛛 Add B1 Va	lidation configuration
3 🔻 📫 A(When this columns golde	en arrow is pressed 🛛 🧃	🍃 🛛 Edit B1 Va	lidation configurations
4 🔻 📫 A(When this columns picke	r is pressed	Edit funct	ion buttons on this window
5 🔻 📫 A(Other event		Edit Item I	Placement Tool configuration
6 ▼ 📫 A(Carata an	
7 🔻 📫 LM4029	Duplicate	4	o Create ne	widd
8 🔻	Add Ro <u>w</u>	1	8 Make this	column mandatory
•	Delete Row	É	Toolbox: (Configuration

Then most of information is already filled in and we only need to select SQL condition and enter the query.

B1 Validation Config	guration (v.2017.0.5.0) [920140]	
Name	Check Alternative Item	Sort 100 ? Number 200
Users (Empty = All)		Include users Exclude users
Trigger		Condition
Formtype Item Column Row Menu Uid	139 • • • • • • • • • • • • • • • • • • •	No condition, just execute function Simple condition When item (column) Comparison type Value Type Execute function String (0) ▼
FormMode Event BeforeAction ActionSuccess ItemChanged InnerEvent BubbleEvent CharPressed	Add/OK/Update Add/OK/Update Validate [Leaving a field]	<pre> SQLCondition</pre>
		# Condition result Eurotion to even the Add line
		1 Aititm → UF-369 <u>Remove line</u>
	Y	2
_		
Active		
OK Can	ncel	Import Export

SQL Query for the SQL Condition:

IF(SELECT OnHand FROM OITM WHERE ItemCode = \$[\$38.1.0]) < (SELECT TO.[OnHand] FROM OITM TO INNER JOIN OALI T1 ON TO.[ItemCode] = T1.[AltItem] WHERE T1.[OrigItem] = \$[\$38.1.0]) BEGIN SELECT 'AltItm' FOR BROWSE END

NOTE: as we mentioned above, please feel free to modify it to suit your need.

After the validation, if the OnHand quantity of the line item is smaller than the Alternative Item's, then we will pop up a message that shows the user the alternative item's OnHand quantity.

For this step we will put a Universal Function of the SQL Report Type to show this information.

Universal Functions

We will create a Universal Function of the type SQL Report and shows the alternative item's quantity. We can click on the Wizard on the right of the configuration window and then give the columns headings and the appropriate golden arrows for user to drill down if they want. Then Add.

Code	UF-369		Remarks						~	
Name	Message for Alt Item								\sim	
Туре	SQL Report	•	Category						•	
Form Title	Alternative Items which	h has more s	stock		Collapse Leve				- ?	
Width	400 H	leight	300		Format	1[OITM C	AP:Orig Item];	2[OITM CAP:AH	Vizard ?	
View type	Grid 🔻 F	Form State	Normal	•		Show	line numbers	Banded row	color	
	WHERE T1.[Orig]	Item] =	\$[\$38.1.0]			SQL Report - Colu	mn formattir	ng wizard (v.2017.0.	5.0) [920140]	
						Column #	Column title	Golden arrow type	Right Justified	Sum co
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						1 (Orig Item) 2 (Alt Item)	Orig Item Alt Item	Item		
						1 (Orig Item) 2 (Alt Item) 3 (Alt Item Qty)	Orig Item Alt Item Alt Item Qty	Item Item		
						1 (Orig Item) 2 (Alt Item) 3 (Alt Item Qty) 4	Orig Item Alt Item Alt Item Qty	Item Item		
						1 (Orig Item) 2 (Alt Item) 3 (Alt Item Qty) 4 5	Orig Item Alt Item Alt Item Qty	Item		
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CRM for Outloo	ok					1 (Orig Item) 2 (Alt Item) 3 (Alt Item Qty) 4 5 6 7 8 9	Orig Item Alt Item Alt Item Qty	Item Item Item Item Item Item Item Item Item		
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Result

When the line item is being entered, our Validation will check each time when user is trying to leave the field. If the Alternative Item's OnHand quantity is larger than the Line item's Onhand quantity, system will pop up a small report to show user the alternative item and its Onhand quantity.

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cal C	Currence	у		•						Do	ocum	ent Dat	e		23/06/20	017			
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#	Туре	Ite	em	No.		Item Descr	Quantity	Qt	y Made	•	Ur	nit P	Discou	nt %	VAT		Total (LC)	7
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3		⇒	A	00003		IBM Infoprint	1				30	0.00 \$	0	.000	📫 CA	1		300.0	
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