	•	6	0	
Summary				
Module	Universal functions			
Level	Advanced			
Requirements	B1UP 3.6.0.0 or higher			

Line Loop - Samples - Automatically add a Freight-item if not present

Description

This sample will during add of a Sales order check the lines to ensure that a freight item is present and if not add it using a macro and shown a message to the user.

Requirement

An item called 'Freight'

Item Master Data						
Item Number	freight		Bar Code		Inventory Item	
Description	Freight				✓ Sales Item	
Desc. in Foreign Lang.					✓ Purchased Item	
Item Type	Items	•			Fixed Assets	
Item Group	Items	•				
Price List	Basic Price List	•	Unit Price	USD 10.00		
					,	

B1 Validation Configuration

B1 Validation Config	guration	
Name Users (Empty = All)	Check and add Freight	Sort 100 Number 155
Trigger		Condition
FormType Item Column Row Menu Uid FormMode Event BeforeAction ActionSuccess ItemChanged InnerEvent CharPressed Comments	139 1 Add Item Pressed ▼ True Ignore ▼ Ignore ▼ Ignore ▼ Modifier	• No condition, just execute function • UF-191 • Simple condition When item (column) Comparison type • Equals • Value Type Execute function • String (0)
		Condition result Function to execute Add line Remove line
Active	cel	Import Export

Validation is simple. Just catch that document is being added before action that execute the Line Loop

Universal Function

Universal Function Co	onfiguration												
Code Name Type	UF-191 Auto Add Line Loop		Re	mar	ks								
Line item UID	38		✓ 1	igno	ore last line	Ignore	text-lines/s	ub-totals (Docs o	only) Direction	Fin	st to last	•	
No condition	First pass UF		Line UF	[Final result val	ue / type		0	erv	vrite	٠	
 ● SQL Condition 	IF(\$[\$38.1.0]) = BEGIN SELECT 'PRESE END	-										*	
	Result	First pas	ss UF	Line	e UF	Final result val	ue	Final result ty	rpe	E	Break loop		
	PRESENT					PRESENT		Overwrite		•	✓	-	Add
								Overwrite		•			Remove
												Ψ.	
Final result	Condition	١	/alue type		Compare	type	Compare	value	Universal Function	n			
	Execute if o	ond 🔻 R	esult as string	Ŧ	Not equa	•	PRESENT		📫 UF-192			-	Add
	Execute if o	ond 🔻 R	esult as string	٠	Not equa	•	PRESENT		📫 UF-193				Remove
												Ŧ	
OK Cance	el										Import		Export

Here we set up the validation. The Line item Uid is set to **38** because this is the Matrix Item uid of the Sales order.

Since this should only look for freight-items we set up a SQL condition with SQL

IF(\$[\$38.1.0]) = 'Freight'

BEGIN

SELECT 'PRESENT' FOR BROWSE

END

If we find a Freight item we execute the line-options. In this case we just wish to inform the final result that we have found the freight item, by giving the value PRESENT to the Final Result. Since it is just a value we leave final result type to overwrite and break the loop (since we have found the line it does not make sense to look in more lines).

In the final result we wish to do two things if we never found a freight-line (we test this by validating the the compare type is not Equal "PRESENT").

First we launch a simple macro that add the freight line

B1 Usability Package Sample

Universal Function C	onfiguration			
Code Name Type	UF-192 Auto add freight Macro	Remarks	1	Q
	SET(\$[\$38.1.0] Freight); //Add t	ne freight line		
	Command Activate();			▼ Wizard Quick insert
OK Cano				Import Export

Second we launch a message that states why we were not allowed to add the document.

Universal Fund	tion Configuration		
Code Name Type	UF-193 Auto add mesage Message	Remarks	Ø
Message		nt. It is now added. PLease check the result and add again.	*
Туре	Messagebox		•
	Block event		
ОК	Cancel	In	port Export

Result

	➡ C20000		-	No.	Primary 🔻	71		
Name	Norm Thompson			Status		Open		
	Norm Thompson			Posting		01/05/11		
Customer Ref. No. 3P Currency	▼ USD			Deliven	y Date ent Date	01/05/11 01/05/11		
Contents			0					
Item/Service Type	Logistics		Accou		ary Type	No Summ	arv	•
	Item Description	≡Q	uantity		Unit Price	Disc	Tax ≡ '	T I
1 🔿 A00001	IBM Inforprint 1318XXXZ			2	USD 700.0	0 5.000	📫 PA	-
2 🔿 A00002	IBM Infoprint 1222			1	USD 400.0	0 5.000	📫 PA	
3 🔿 A00003	IBM Infoprint 1226			1	USD 450.0	0 5.000	🔿 PA	
4 5 System Mess There was no		addeo	d. PLease	-				-
5 System Mess There was no again.	age	addeo	d. PLease	-				v
5 System Mess There was no again.	age	addeo		e check	the result and add			1147.00
5 System Mess There was no again.	age	addeo		e check Freight	the result and add			D 5.00
5 System Mess There was no again.	age	addeo		e check Freight	the result and add			D 5.00
5 System Mess There was no again.	age	addeo		e check Freight	the result and add			D 5.00

We create a sales order and "forget" to add freight item. When we press add we get the warning we defined and the macro adds the freight item automatically

ustomer	-	C20000		=	No.	Prim	ary 🔻	71			
ame		Norm Thompson		=	Status			Open			
ontact Person	⇒	Norm Thompson		-	Posting) Date		01/05/11			
ustomer Ref. No.					Deliver	y Date	2	01/05/11			
Currency	•	USD			Docum	ent Da	ate	01/05/11			
<u>C</u> ontents		Logistics		Accou	unting						
<u>C</u> ontents		Logistics Item		Accou	unting Sumn	iary Ty	ype	No Summ	ary		•
_	≡	-	=	¥		ary Ty Unit P			ary Tax ≡	т	¥
tem/Service Type	_	Item		¥				Disc		_	•
_ tem/Service Type # Item No.		Item Item Description		¥	Sumn		rice	Disc 0 5.000	Tax ≡	_	•
# Item No. 1 = A00001		Item Item Description IBM Inforprint 1318XXXZ		¥	Sumn 2		rice USD 700.0	Disc 0 5.000 0 5.000	Tax ≡	_	•
tem/Service Type # Item No. 1 → A00001 2 → A0002		Item Item Description IBM Inforprint 1318XXXZ IBM Infoprint 1222		¥	Sumn 2 1		Vrice USD 700.0 USD 400.0	Disc 0 5.000 0 5.000 0 5.000	Tax ≡ → PA → PA	_	•

Since the Freight item is now present, when we press add we are allowed to add the order.