

Line Loop – Samples – Check lines for zero price

Summary	
Module	Universal functions
Level	Advanced
Requirements	B1UP 3.6.0.0 or higher

Description

This sample will during add/update of a Sales order check the lines to ensure none of the lines have a zero-price.

B1 Validation Configuration

The screenshot shows the 'B1 Validation Configuration' dialog box. The 'Name' field is 'Test Lines for zero price'. The 'Sort' field is '100' and the 'Number' field is '156'. The 'Users (Empty = All)' field is empty. The 'Trigger' section has 'FormType' set to '139', 'Item' to '1', 'FormMode' to 'Add', and 'Event' to 'Item Pressed'. The 'Condition' section has 'No condition, just execute function' selected, with 'UF-194' as the function. The 'Comments' section is empty. The 'Active' checkbox is checked. The 'OK', 'Cancel', 'Import', and 'Export' buttons are visible at the bottom.

Validation simply react on adding/updating the document.

Universal Function

Universal Function Configuration

Code: UF-194 Remarks: [Empty]

Name: Test lines for zero price

Type: Line Loop

Line item UID: 38 Ignore last line Ignore text-lines/sub-totals (Docs only) Direction: First to last

No condition First pass UF: [Empty] Line UF: [Empty] Final result value / type: [Empty] Overwrite: [Empty]

SQL Condition

```
IF($[38.14.NUMBER]) = 0
BEGIN
SELECT 'IS_ZERO' FOR BROWSE
END
```

Result	First pass UF	Line UF	Final result value	Final result type	Break loop
IS_ZERO			Line \$[LINNUM]	Append	<input type="checkbox"/>
				Overwrite	<input type="checkbox"/>

Final result

Condition	Value type	Compare type	Compare value	Universal Function
Execute if not empty	Result as string	Equal		UF-195

Buttons: OK, Cancel, Import, Export, Add, Remove

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 we are looking only for lines that are zero, we use an sql condition to test each lines price.

IF(\$[38.14.NUMBER]) = 0

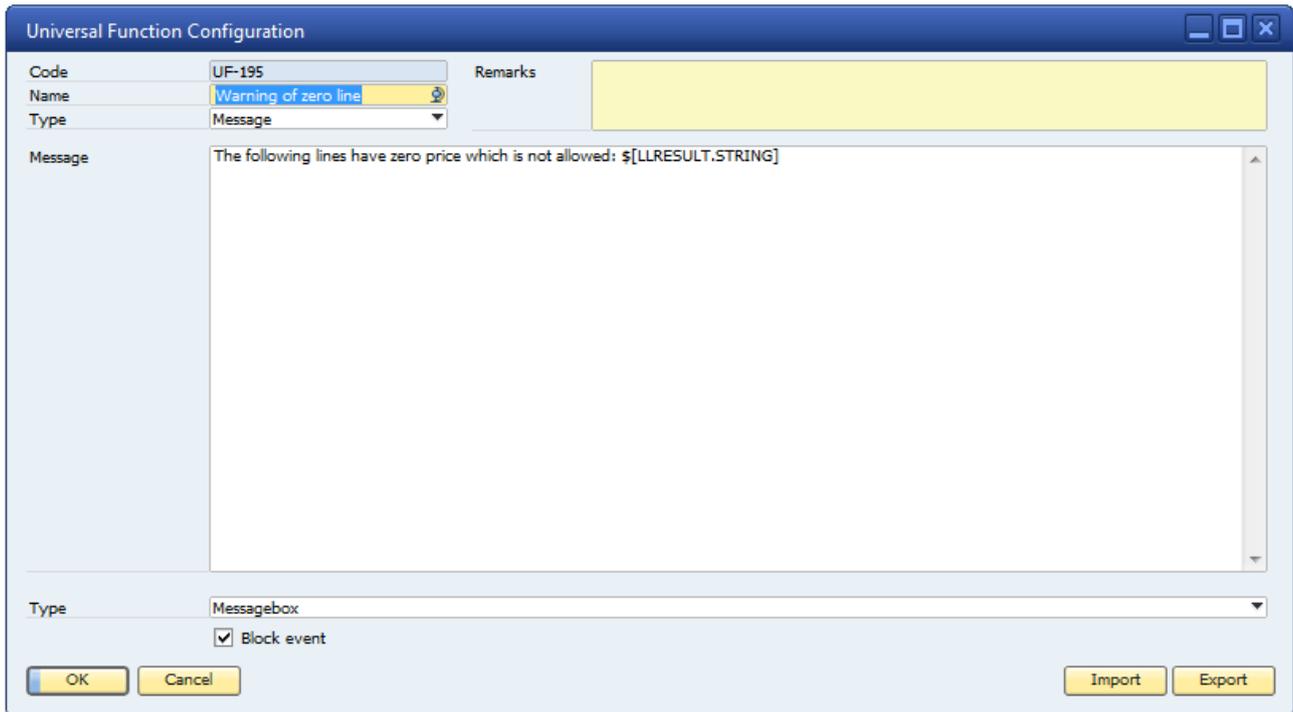
BEGIN

SELECT 'IS_ZERO' FOR BROWSE

END

If a price is zero our SQL condition result, will build up a result of the lines (we use the special keyword \$[LINNUM] to identify the line) and append as type in order to store the value of each line met.

In the final result we only wish to stop the user from add/update if we actually found any zero lines. We therefore use the condition 'Execute if not empty'. In such a case we launch a simple Universal Function Message (UF-106).



NB: you can see the Message using the result of the Line Loop with the special keyword
\${LLRESULT.STRING}

Result

Here we have a sales order in which 2 of the 4 lines does not have any price

Sales Order _ □ ×

Customer → C20000	No. Primary 71
Name Norm Thompson	Status Open
Contact Person → Norm Thompson	Posting Date 01/05/11
Customer Ref. No.	Delivery Date 01/05/11
BP Currency ▼ USD	Document Date 01/05/11

Contents
Logistics
Accounting

#	Item No.	Item Description	Quantity	Unit Price	Disc...	Tax ...	T
1	→ A00001	IBM Inforprint 1318XXXZ	2	USD 700.00	5.000	→ PA	
2	→ A00002	IBM Inforprint 1222	1		5.000	→ PA	
3	→ A00003	IBM Inforprint 1226	1		5.000	→ PA	
4	→ A00004	HP Color LaserJet 5	1	USD 500.00	5.000	→ PA	
5					0.000		

Sales Employee Bill Levine	Total Before Discount USD 1805.00
Owner → Levine, Bill	Discount %
	Freight → USD 5.00
	<input type="checkbox"/> Rounding USD 0.00
	Tax USD 171.48
	Total USD 1981.48

Add
Cancel
Copy From
Copy To

If we try to add we get the following error:

Sales Order

Customer: C20000, Name: Norm Thompson, Contact Person: Norm Thompson, BP Currency: USD, No.: Primary 71, Status: Open, Posting Date: 01/05/11, Delivery Date: 01/05/11, Document Date: 01/05/11

Contents | Logistics | Accounting

#	Item No.	Item Description	Quantity	Unit Price	Disc...	Tax ...	T
1	A00001	IBM Inforprint 1318XXXZ	2	USD 700.00	5.000	PA	
2	A00002	IBM Inforprint 1222	1		5.000	PA	
3	A00003	IBM Inforprint 1226	1		5.000	PA	
4	A00004	HP Color LaserJet 5	1	USD 500.00	5.000	PA	
5					0.000		

System Message: The following lines have zero price which is not allowed: [Line 2] [Line 3]

Sales B: 805.00
 Owner: USD 5.00
 USD 0.00

Tax: USD 171.48
 Total: USD 1981.48

Remarks: [Empty text box]

Buttons: Add, Cancel, Copy From, Copy To