

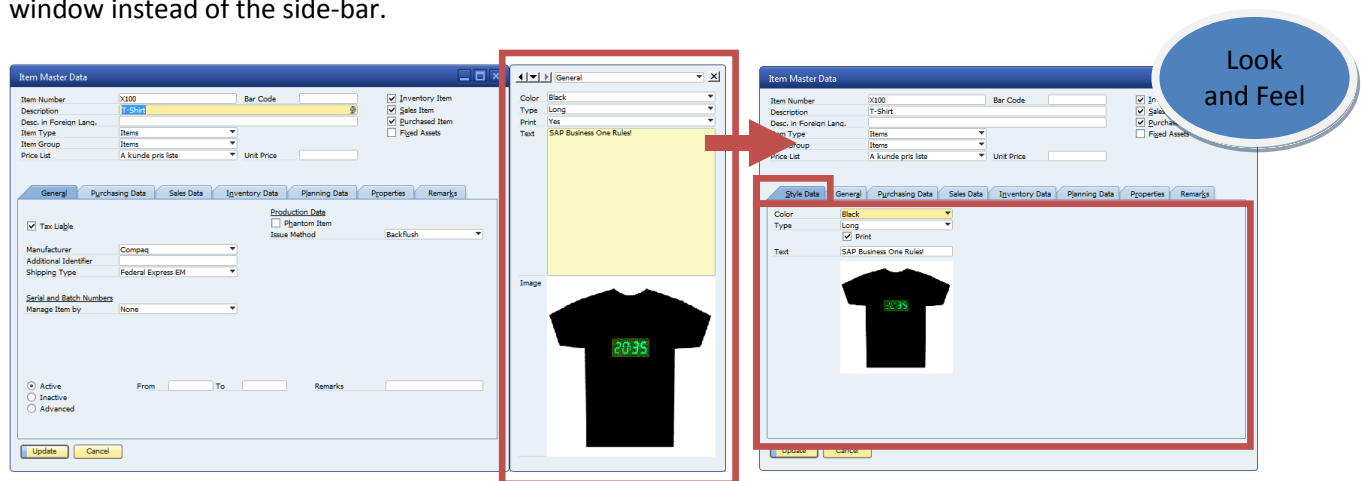
Add Additional Tab Page on Item Master Data

Summary	
Module	B1 Validation System + Universal Function
Level	Very Advanced
Requirements	B1UP 2.7.3.0 or higher

NB: THIS IS THE SINGLE MOST ADVANCED SAMPLE OF THE B1 USABILITY PACKAGE, SO IF YOU ARE NEW TO THE B1UP BE PREPARED THAT THIS MIGHT NOT BE THE BEST PLACE TO START. IT IS RECOMMENDED THAT YOU ARE FAMILIAR WITH THE OTHER B1 VALIDATION SAMPLES AND THE ITEM PLACEMENT TOOL BEFORE THIS SAMPLE

Scenario

Customer have multiple User defined Fields on Item Master Data that they would like to be part of main window instead of the side-bar.



Prerequisites for this sample

Before you can create this sample you will need to add the following user-defined fields on item master data.



Category	Title	Description	Type
▼ Master Data			
▶ Activities			
Agent Name			
▶ Business Partner			
Cargo Customs Declaration Num			
▶ Employees			
▶ G/L Accounts			
▶ Item Groups			
▼ Items			
▶ Items			

The image displays five screenshots of the 'Field Data' dialog box, each showing a different configuration for a Universal Function (UDF).

- UDF1:** Title: UDF1, Description: Color, Type: Alphanumeric, Length: 10, Structure: Regular. ☒ Set Valid Values for Field. Table:

#	Value	Description
1	RE	Red
2	BL	Black
3	BU	Blue
4	WH	White

☒ Set Default Value for Field (RE), ☒ Mandatory Field.
- UDF2:** Title: UDF2, Description: Type, Type: Alphanumeric, Length: 10, Structure: Regular. ☒ Set Valid Values for Field. Table:

#	Value	Description
1	N	Normal
2	L	Long
3	H	Hood

☒ Set Default Value for Field (N), ☒ Mandatory Field.
- UDF3:** Title: UDF3, Description: Print, Type: Alphanumeric, Length: 1, Structure: Regular. ☒ Set Valid Values for Field. Table:

#	Value	Description
1	Y	Yes
2	N	No

☒ Set Default Value for Field (N), ☒ Mandatory Field.
- UDF4:** Title: UDF4, Description: Text, Type: Alphanumeric, Length: 100, Structure: Regular. ☐ Set Valid Values for Field, ☐ Set Default Value for Field, ☐ Mandatory Field, ☐ Set Linked Table.
- UDF5:** Title: UDF5, Description: Image, Type: General, Structure: Image. ☐ Set Valid Values for Field, ☐ Set Default Value for Field, ☐ Mandatory Field, ☐ Set Linked Table.

Needed Configuration

You will need four configurations in order to accomplish the task:

1. A Universal Function of type Content Creator to design the tab and the data what should be on the tab (You can also add existing data to the tab using the Item Placement Tool)
2. A Universal Function of type Macro that handles the switch to a new Panelevel.
3. A B1 Validation System Configuration to load the new data onto the window when it is loaded

4. A B1 Validation System Configuration to handle the click the new tab (to switch to the new Panelevel)

Step 1. Universal Function – Content Creator

First we need to make a Content Creator to add the Folder (line 1) and some additional data (rest of lines)

Active	Item Uid	Type	Description	Left	Top	Width	Height	From Pane	To Pane	DBDS: Field	DBDS: Table
<input checked="" type="checkbox"/>	UF_1	Folk	Style Data	50				0	0		
<input checked="" type="checkbox"/>	UF_2	Cor	Color	100	160	150		21	21	U_UDF1	OITM
<input checked="" type="checkbox"/>	UF_3	Lab	Color	10	160			21	21		
<input checked="" type="checkbox"/>	UF_4	Con	Type	100	175	150		21	21	U_UDF2	OITM
<input checked="" type="checkbox"/>	UF_5	Lab	Type	10	175			21	21		
<input checked="" type="checkbox"/>	UF_6	Che	Print	100	190			21	21	U_UDF3	OITM
<input checked="" type="checkbox"/>	UF_7	Edit	Text	100	210	150		21	21	U_UDF4	OITM
<input checked="" type="checkbox"/>	UF_8	Lab	Text	10	210			21	21		
<input checked="" type="checkbox"/>	UF_9	Pict	Picture	100	230	150	150	21	21	U_UDF5	OITM

Data on Line 1:

1. The folder need a unique id.
2. The type must be "Folder (Tab)"
3. The Left property decide where the "My Tab" is placed among the other tabs
4. Affects Formmode must be disable in order for the window not to go from OK to Update when pressing the new tab (This is a column that are off screen)
5. The Group With Property Must hold the ItemUid of the first of the tabs to add it to (Item 163)

Here are a screenshot of the whole first line:

Active	Item Uid	Type	Description	Left	Top	Width	Height	From Pane	To Pane	DBDS: Field	DBDS: Table
<input checked="" type="checkbox"/>	UF_1	Folder (Tab)	&Style Data	1				0	0		

...	Edit: Add	Edit: Find	Edit: OK	Password	Valid values	Affects FormMode	Right Justified	Suppress Zeroes	Text Style	Fore Color	Back Color
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Normal		

Font Size	Linked Object	Link To	Group With	Val Off	Val On
...	None		163		

NB: PLEASE SEE MANUAL FOR WHAT EACH COLUMN REPRESENT (THE IMPORTANT IN THIS SAMPLE ARE MARKED WITH RED)

Other lines:

Since we later decide that the new Tab should be associated by Panelevel 21 (see below), we now add the additional fields.

	Active	Item Uid	Type	Description	Left	Top	Width	Height	From Pane	To Pane	DBDS: Field	DBDS: Table
	<input checked="" type="checkbox"/>	UF_1	Folk ▾	Style Data	50				0	0		
	<input checked="" type="checkbox"/>	UF_2	Con ▾	Color	100	160	150		21	21	U_UDF1	OITM
	<input checked="" type="checkbox"/>	UF_3	Lab ▾	Color	10	160			21	21		
	<input checked="" type="checkbox"/>	UF_4	Con ▾	Type	100	175	150		21	21	U_UDF2	OITM
	<input checked="" type="checkbox"/>	UF_5	Lab ▾	Type	10	175			21	21		
	<input checked="" type="checkbox"/>	UF_6	Che ▾	Print	100	190			21	21	U_UDF3	OITM
	<input checked="" type="checkbox"/>	UF_7	Edit ▾	Text	100	210	150		21	21	U_UDF4	OITM
	<input checked="" type="checkbox"/>	UF_8	Lab ▾	Text	10	210			21	21		
	<input checked="" type="checkbox"/>	UF_9	Pict ▾	Picture	100	230	150	150	21	21	U_UDF5	OITM

The most important columns are the DBDS: Field and DBDS: Table. These are necessary for the fields that holds the data.

The labels won't hold any data from the database and therefor does not need any values here.

The rest of the fields are all about placement in pixels.

Tip: When placing a field/label pair (like UF_7 and UF_8) it is best to add the field (edittext) first and the label second. This is need for the Link To column.

The link to column is used make the small white line that connect a label and a field

Text	<input type="text"/>	Text	<input type="text"/>
Without Link To		With Link To	

The link is created by setting the link to column to the UID of the edittext to the uid of the label (UF_7).

	Active	Item Uid	Type	Description	Link To	Group With	Val Off	Val On
	<input checked="" type="checkbox"/>	UF_1	Folder (Tab) ▾	&Style Data		163		
	<input checked="" type="checkbox"/>	UF_2	Combobox ▾	Color				
	<input checked="" type="checkbox"/>	UF_3	Label ▾	Color	UF_2			
	<input checked="" type="checkbox"/>	UF_4	Combobox ▾	Type				
	<input checked="" type="checkbox"/>	UF_5	Label ▾	Type	UF_4			
	<input checked="" type="checkbox"/>	UF_6	Checkbox ▾	Print				
	<input checked="" type="checkbox"/>	UF_7	Edittext ▾	Text				
	<input checked="" type="checkbox"/>	UF_8	Label ▾	Text	UF_7			
	<input checked="" type="checkbox"/>	UF_9	Picture ▾	Picture				

Step 2. Universal function – Macro

Second Universal Function we need is to make the switch the new tab when the user click on the Tab.

Tabs works in the way that they are linked to a specific state called a Panelevel where each tab has a Panelevel. Since we are making your own tab, we also need to have your own Panelevel and since SAP has the first 20 Panelevels reserved we choose Panelevel for our tab... If we were to make two Panelevels on the same window we would choose 21, 22 and so on.

NB: FOR MORE INFORMATION ON PANELEVELS PLEASE SEE THE "UNDERSTANDING PANELEVELS" GUIDE

The reason we need a universal function is that its macro-system have the option to switch the pane of a form, so we need this very simple configuration

The screenshot shows the 'Universal Function Configuration' dialog box. It has a blue title bar and a light blue background. The dialog is divided into several sections. At the top, there are three fields: 'Code' with the value 'BOY_9', 'Name' with the value 'Activate Style Tab', and 'Type' with a dropdown menu showing 'Macro'. To the right of these fields is a 'Remarks' field containing the text 'Switch the panelevel of the window to pane 21 = The Style Tab'. Below these fields is a large text area containing the code 'Panelevel(21); //Send the window to pane 21'. At the bottom of the dialog, there is a 'Command' field with the value 'Activate()'. To the right of the 'Command' field are four buttons: 'Wizard', 'Quick insert', 'Import', and 'Export'. At the bottom left of the dialog are two buttons: 'OK' and 'Cancel'.

Step 3. B1 Validation System - Load of content

Steps 1 and 2 of this sample have made all functionality ready for the sample. Now we need to activate this functionality using a B1 Validation System (Administration > Add-Ons > B1 Usability Package > Module Configurations > B1 Validation Configuration).

First we need to tell the system that whenever an Item Master Data window is show it should also show our new tab.

Translated into a language that the B1 Validation can understand, we need the formtype to be **150** (Item Master Data) and the event should be when the **Form Loads**. When these two things occur then we should call our Universal Function - Content Creator (that we called **BOY_8**)

Step 4. B1 Validation System – Click on the tab page

Final thing we need to do is to provide the functionality that should happen the user press the new tab-page (so we can change to our Panelevel and show our data)

For this we create the following configuration

B1 Validation Configuration

Name: Click on the new style tab Sort: 100 Number: 77
 Users (Empty = All) Include users Exclude users

Trigger

FormType: 150
 Item: UF_1
 Column: Row: Menu Uid:

FormMode: All
 Event: Item Pressed
 BeforeAction: True
 ActionSuccess: Ignore
 ItemChanged: Ignore
 InnerEvent: Ignore
 CharPressed: Modifier: None

Condition

☒ No condition, just execute function BOY_9
☐ Simple condition
 When item | (column) | Comparison type Equals
 Value | Type | Execute function String (0)
☐ SQL Condition Common SQL structures

Comments

☒ Active

OK Cancel Import Export

This time the configuration should again be on formtype **150** (Item Master Data) but this time we would like to react when the user presses your tab-item which we gave item UID **UF_1** and this should happen when this tab-item is pressed: **Item Pressed**. This happens we would like to execute our Universal Function – Macro that will switch the Panelevel (that we called **BOY_9**)

Use of functionality

We are finally ready to see the result of our work. If you open the Item Master Data You should now be seeing you new tab.

Item Master Data

Item Number Bar Code

Description

Desc. in Foreign Lang.

Item Type

Item Group

Price List A kunde pris liste Unit Price

Inventory Item ☐

Sales Item ☐

Purchased Item ☐

Fixed Assets ☐

Style Data General Purchasing Data Sales Data Inventory Data Planning Data Properties Remarks

☒ Tax Liab

Manufacturer

Additional Identifier

Shipping Type

Serial and Batch Numbers

Manage Item by None

Production Data

☐ Phantom Item

Issue Method Backflush

☐ Active

☐ Inactive

☐ Advanced

Find Cancel

And if we navigate to an item and press the tab, our additional data are shown in a professional manner instead of the side-bar.

Item Master Data

Item Number: X100 Bar Code:

Description: T-Shirt

Desc. in Foreign Lang.:

Item Type: Items

Item Group: Items

Price List: A kunde pris liste Unit Price:

☒ Inventory Item
☒ Sales Item
☒ Purchased Item
☐ Fixed Assets


Style Data General Purchasing Data Sales Data Inventory Data Planning Data Properties Remarks

Color: Black

Type: Long

☒ Print

Text: SAP Business One Rules!



OK Cancel