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Self Learning Tutorials on SAP Modules

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## ENHANCEMENT - SCREEN EXIT

### ENHANCEMENT

1. Enhancement is a concept by which we can add our custom code to standard SAP software without modifying it .
2. Each enhancement point = Exit point.

### SCREEN EXIT

Screen Exit is used to add custom screen's to standard menu bar.

The screen which we created is of type SUB SCREENS.

Screen Exit is identify by Screen no. I.E 100, 200

We need to double click on screen no and create a screen which should be of type sub screen's.

Every Screen exit should have Function module exit.

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^Function Module Exit Is used to write the Piece of Code to Enhance The Standard SAP Software.

These exits will have IMPORTING and EXPORTING Parameters.

Based on these we need to built our code.

Function Module Exit will have ZINCLUDES

Double On ZINCLUDE and write the LOGIC..

For Implementing These Exits we Need to Create a Project.

### **PROJECT:**

Project is a group of Enhancements.

i.e like Screen and Menu exit....

We can activate and deactivate the project.

If we activate the project ,the enhancements under our project goes to active state and our custom code will be executed.

Project is used as like SWITCH , to execute/ not to execute the enhancements.

TCODE is CMOD for project Creation.

MODSAP AND MODACT ARE THE TABLES FOR ENHANCEMENT NAMES.

### **EXAMPLE**

#### **ADDING A NEW SCREEN IN CJ92 TRANSACTION WITH SOME FIELDS**

FIELDS :

ERNAM (NAME OF THE PERSON WHO CREATED THE OBJECT)

ERDAT ( DATE ON WHICH RECORD WAS CREATED)

TABLE : PROJ

TCODE : CJ92


### **STEP 1:**

Need to find the package name using TCODE SE93.

Give Tcode as CJ92 and click on DISPLAY.

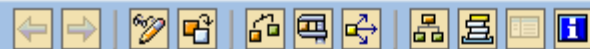
Transaction Code CJ92

 Display

 Change

 Create

## Display Dialog Transaction



Transaction code CJ92


Package CN\_PSP\_STD

Transaction text Change Standard WBS

Program SAPLCJSS

Screen number 100

Authorization object C\_PROJ\_TCD

 Values

☒ Maintenance of standard transaction variant allowed

### Classification

#### Transaction classification

☒ Professional User Transaction

☐ Easy Web Transaction

☐ Pervasive enabled

Service

#### GUI support

☒ SAPGUI for HTML

☐ SAPGUI for Java

☐ SAPGUI for Windows

Now note Down the Package Name.

Go to TCODE SMOD.

Give package name and click on execute icon

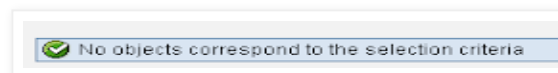
Standard selections

Exit name	<input type="text"/>	
Short text	<input type="text"/>	
Package	CN_PSP_STD	
Application Component	<input type="text"/>	

Settings

Maximum No. of Hits	<input type="text" value="200"/>
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here we did not get any enhancements names



## STEP 2:

So we need to go with Program Name using SE93 Tcode.

**Maintain Transaction**

Transaction Code

Display Change Create

Click on DISPLAY

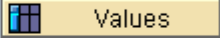
Transaction code CJ92

Package CN\_PSP\_STD

Transaction text Change Standard WBS

Program SAPLCJSS

Screen number 100

Authorization object C\_PROJ\_TCD 

☒ Maintenance of standard transaction variant allowed

**Classification**

**Transaction classification**

☒ Professional User Transaction

☐ Easy Web Transaction Service

☐ Pervasive enabled

**GUI support**

☒ SAPGUI for HTML

☐ SAPGUI for Java


☐ SAPGUI for Windows


Copy the program Name and double click on it, and provide call customer key word in find option select as string radio button and select in main program radio button and click on enter



CLICK ON DISPLAY

### ABAP Dictionary: Initial Screen



☒ Database table      MODSAP 

☐ View     




☐ Data type     

☐ Type Group     

☐ Domain     

☐ Search help     


☐ Lock object     




 Display       Change       Create

Click on contents at the output give our exits names in the member. parameter

Click on execute icon

### Data Browser: Table MODSAP: Selection Screen

 Number of Entries

NAME	<input type="text"/>	to	<input type="text"/>	
TYP	<input type="text"/>	to	<input type="text"/>	
MEMBER	EXIT_SAPLCJSS_002	to	<input type="text"/>	

Width of Output List      250

Maximum No. of Hits      200

Now we will get the Enhancement Name.

Table: MODSAP  
 Displayed Fields: 3 of 3 Fixed Columns: 3 List Width 0250

	NAME	TYP	MEMBER
<input type="checkbox"/>	CNEX0003	E	EXIT_SAPLCJSS_002

repeat like this for all exits to get enhancements names.

STEP 4:

Go TO SMOD Tcode

Provide the Enhancements which we got in smod tcode under enhancement parameter and click on display button.

and look for screen exit .screen exit is identified by number. i.e 100,300.

As per our requirement the enhancement is CNEX0003

### SAP Enhancements

Enhancement

Test

Migrate

Migr.Reset

**Object Components**

☒ Attributes

☐ Components

☐ Documentation

Display Change

click on display



Enhancement Edit Goto Environment System Help

Attributes of SAP Enhancement CNEX0003

Components

Enhancement: CNEX0003

Short text PS: Customer specific fields standard project definition

Administration data

Package			
Original language	EN		
Created by			
Last Changed			

Now we need click on components and here we can see the screen exit.

Function module exits

Function module	Short Text
EXIT_SAPLCJSS_002	PS Customer Exit Customer Specific Fields PROJS
EXIT_SAPLCJSS_003	PS Customer Exit Customer Specific Fields PROJS

Function codes

Program	Code	Short text
SAPLCJSS	+CUD	

Screen areas



Calling screen	No.	Area	Called screen	No.	Short Text
SAPLCJSS	0205	CUSTSCR1	SAPLXCN1	0300	Customer fields std. proj.

INCLUDEs


## STEP 5:

Before implementing this we need to create a project so that our enhancement in this project goes to ACTIVE state and our business logic will execute..

Go to Tcode CMOD and create a project as ZSCREEN.

Project   



**Subobjects**

☒ Attributes

☐ Enhancement Assignment


☐ Components

☐ Documentation

Provide the enhancement name under enhancement assignments tab, click on enter.

### Attributes of Enhancement Project ZSCRREN



Project

Short text

**Administration data**

Package

Original language

Created by

Last changed on/by

**Activation**

Project Status

Changed



Screen number  Modified/New(Revised)

Attributes Element list Flow logic

Short description **MY SCREEN**

Original language  German Package

Last changed on/by

Last generation

Screen type

☐ Normal

☒ Subscreen

☐ Modal dialog box

☐ Selection screen

Settings

☐ Switch off runtime compress

☐ Template - non-executable

☐ Hold Scroll Position

☐ Without Application Toolbar

Other attributes

Click on LAYOUT option

**Screen Painter: Modify Screen for SAPLXCN1**

← → **Layout**

Screen number  Modified/New(Revised)

Attributes Element list Flow logic

Short description **MY SCREEN**

Original language  German Package

Last changed on/by

Last generation

Screen type

☐ Normal

☒ Subscreen

☐ Modal dialog box

☐ Selection screen

Settings

☐ Switch off runtime compress

☐ Template - non-executable

☐ Hold Scroll Position

☐ Without Application Toolbar

Other attributes

LAYOUT SCREEN WILL BE APPEAR



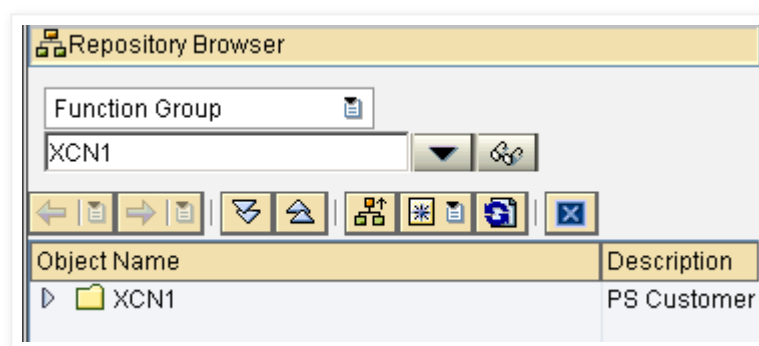
Drag and drop text labels and input field as below



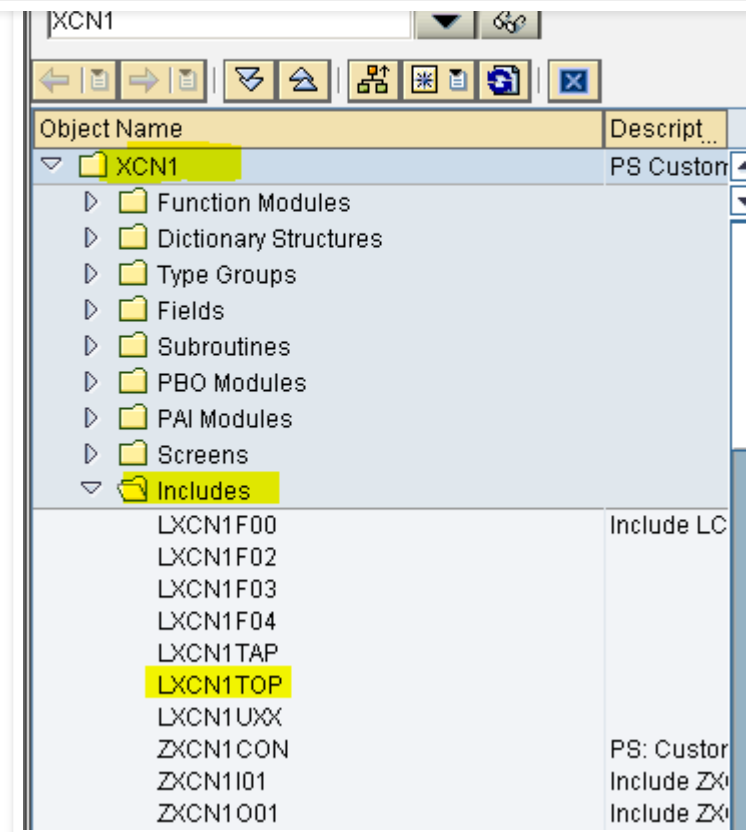
Click on flow logic and activate it.

Click on display Object List icon.

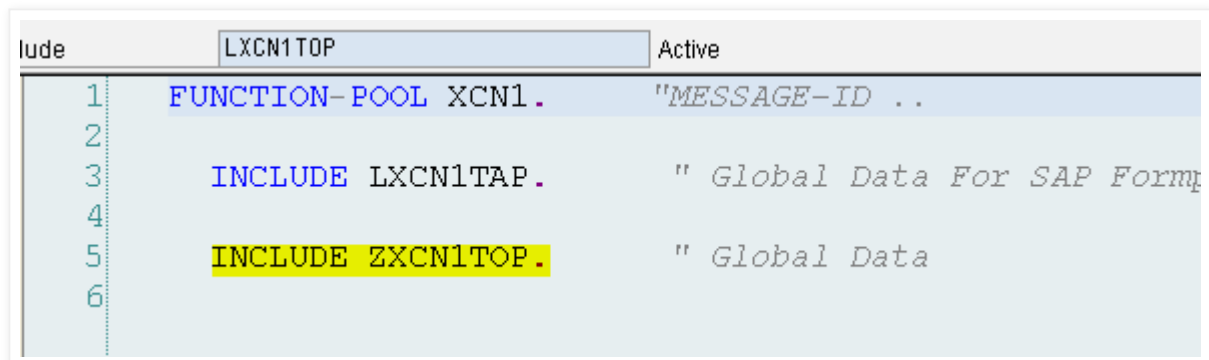
Function group will be opened.



Expand as below until we get LXCN1TOP”.

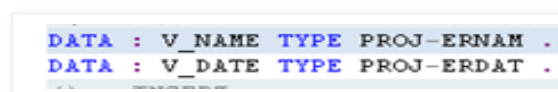


Double on that LXCN1TOP



Again double click on Include ZXCN1TOP.

Click on display <-> change option and click on insert option and declare them as shown below.



From the above the custom screen has been created.



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just double click on it we will get the include again double click and write the logic.

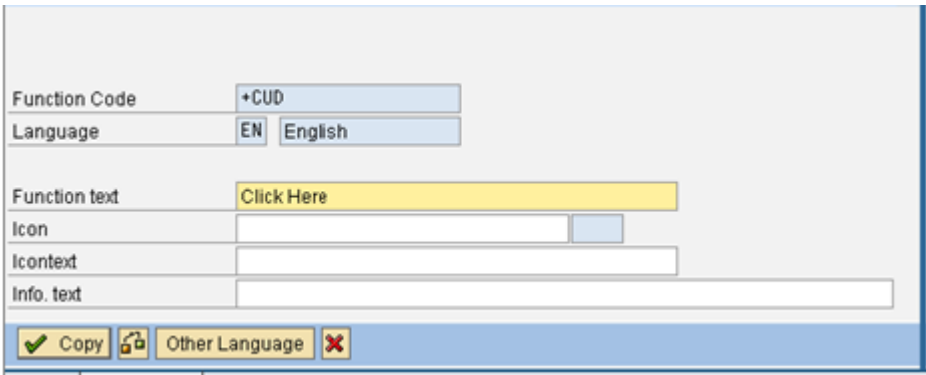
```
v_name = SAP_PROJS_IMP-ernam .
```



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^ on '+cu1' and assign name and click on copy as shown below



A screenshot of a software interface for editing a function code. The form contains the following fields and controls:

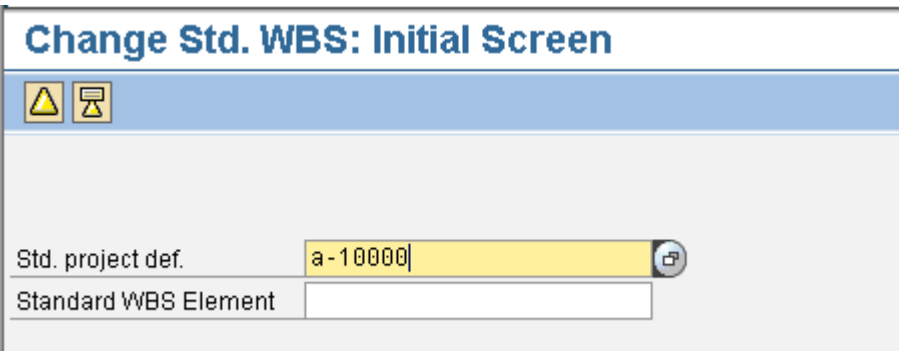
- Function Code:** A text box containing '+CUD'.
- Language:** A dropdown menu showing 'EN' and 'English'.
- Function text:** A text box containing 'Click Here'.
- Icon:** A small square icon box.
- Icon text:** A text box.
- Info. text:** A text box.
- Buttons:** At the bottom, there are three buttons: 'Copy' (with a green checkmark icon), 'Other Language' (with a padlock icon), and a red 'X' button.

Now activate the entire project.

### TESTING:

Go to code CJ92.

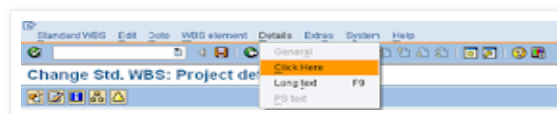
Provide the input as below



A screenshot of a software window titled 'Change Std. WBS: Initial Screen'. The window has a blue header bar with a yellow warning triangle icon and a yellow hourglass icon. Below the header, there are two text boxes:

- Std. project def.:** A text box containing 'a-10000'.
- Standard WBS Element:** An empty text box.

Then click on DETAILS Tab and we will be able to see a menu that we created previously as shown below.



When we clicked on CLICK HERE the screen what we created will be displayed as below.



DATE IS : 06/15/1998

NAME IS STADEL



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