

**SAP How-to Guide**

UX & Platform

BIT End to End Scenarios

# **How to Deploy UI5 Application on the Fiori Launchpad**

**Applicable Releases:**

**SAP UI 5 1.18**

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## Document History

Document Version	Description
1.10	<< Enter your summary of changes in this version >>
1.00	First official release of this guide

## Typographic Conventions

Type Style	Description
<i>Example Text</i>	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Cross-references to other documentation
Example text	Emphasized words or phrases in body text, graphic titles, and table titles
Example text	File and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
<b>Example text</b>	User entry texts. These are words or characters that you enter in the system exactly as they appear in the documentation.
<b>&lt;Example text&gt;</b>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE TEXT	Keys on the keyboard, for example, F2 or ENTER.

## Icons

Icon	Description
	Caution
	Note or Important
	Example
	Recommendation or Tip

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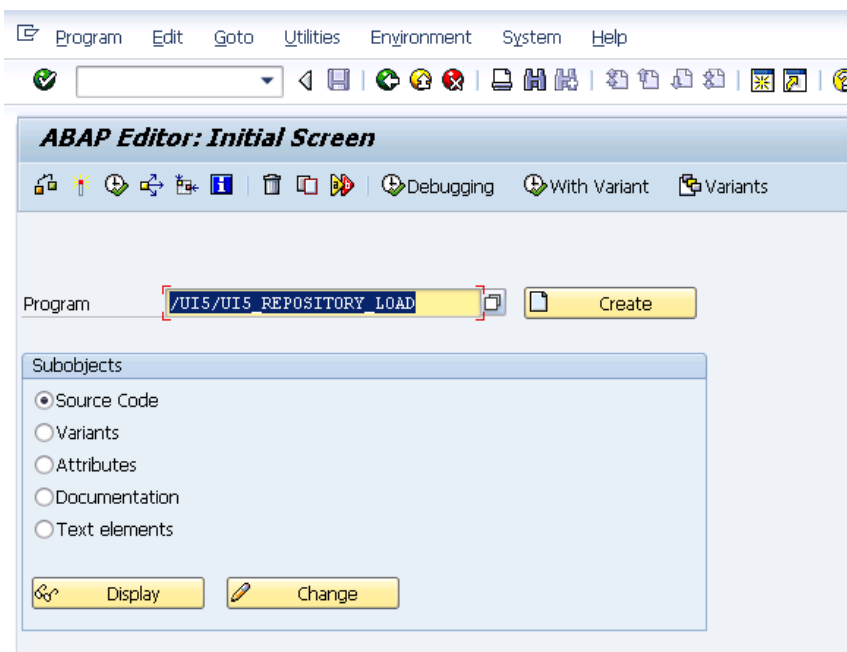
# 1. Exercises

Prerequisites: You have created a Package and a Transport request

## 1.1 Upload the SAPUI5 Application to the Gateway Server as a BSP application

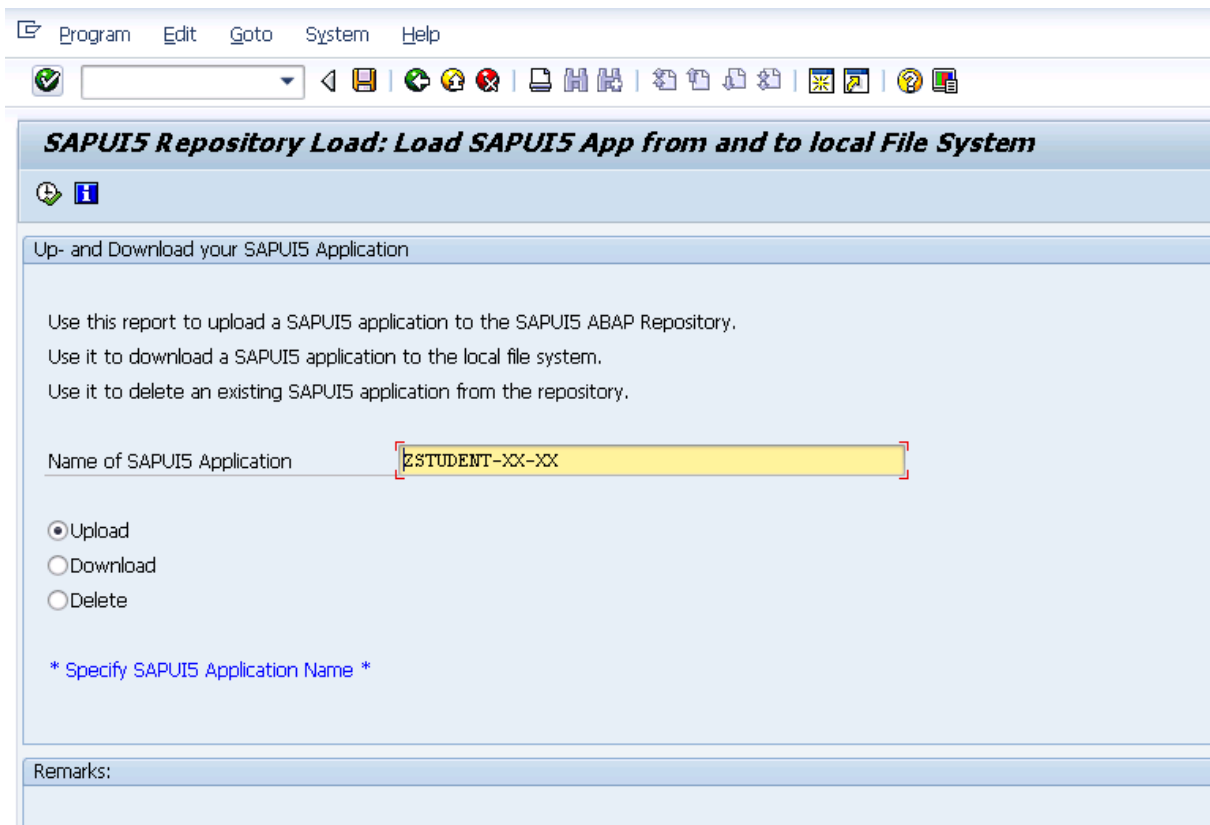
Login to the SAP Netweaver Gateway System

Execute transaction SE38



Enter the Program Name: /UI5/UI5\_REPOSITORY\_LOAD

Click on 



Program Edit Goto System Help

**SAPUI5 Repository Load: Load SAPUI5 App from and to local File System**

Up- and Download your SAPUI5 Application

Use this report to upload a SAPUI5 application to the SAPUI5 ABAP Repository.  
Use it to download a SAPUI5 application to the local file system.  
Use it to delete an existing SAPUI5 application from the repository.

Name of SAPUI5 Application

☒ Upload  
☐ Download  
☐ Delete

\* Specify SAPUI5 Application Name \*

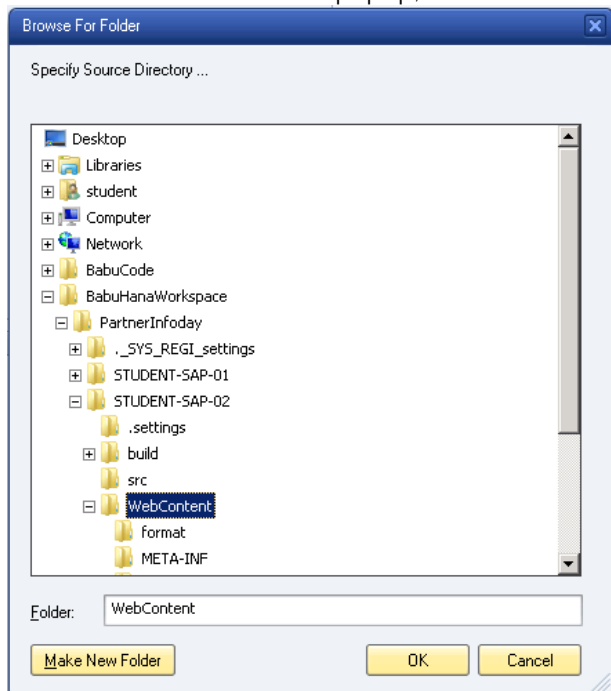
Remarks:

Enter the name of the SAPUI5 Application: ZSTUDENT\_XXX (XXX being your student Number Eg XXX = C01 for "StudentC01")

Choose Option "Upload"

Click on 

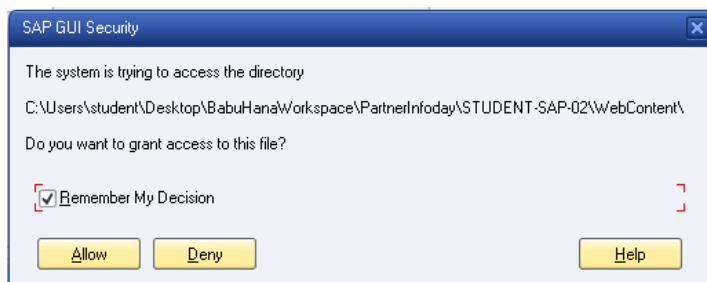
On the “Browse for folder” popup, locate the “WebContent” folder in your workspace



Click on OK

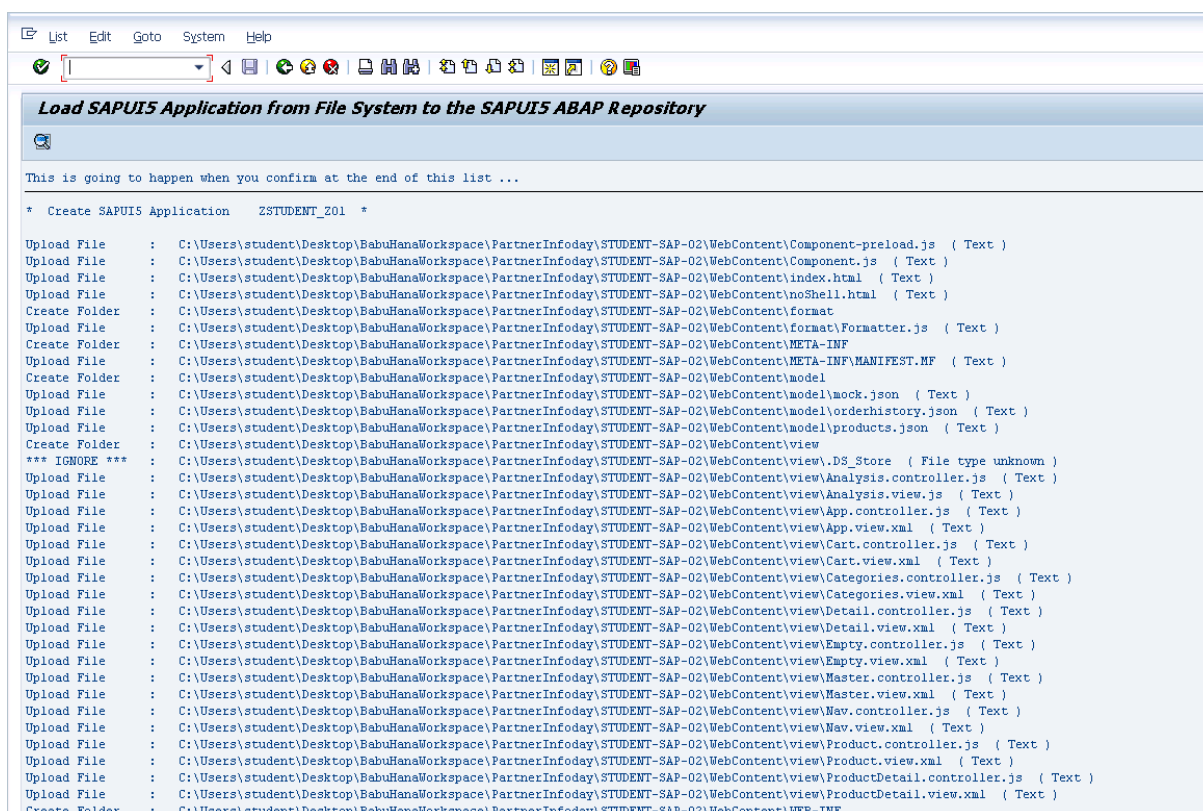
(Tip : If you don't remember the workspace, in Hana Studio – Package Explorer view, select your Project and click on File Menu -> Properties)

You may get an SAP GUI security warning, “Choose Remember My Decision”



Click on Allow

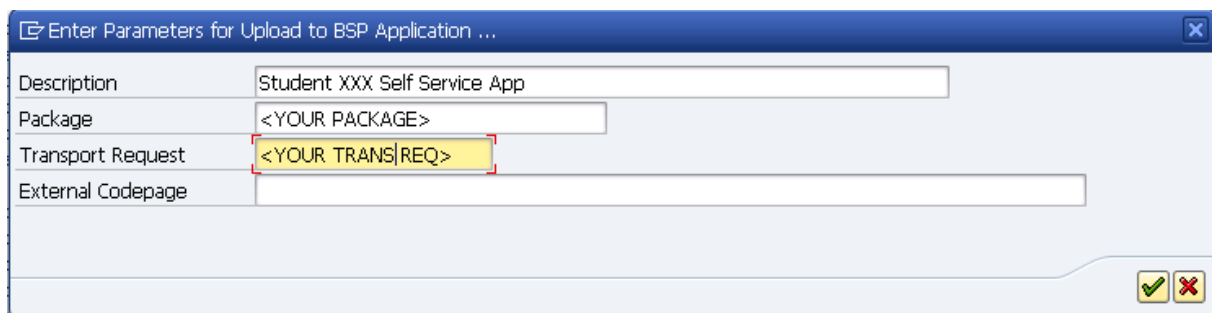




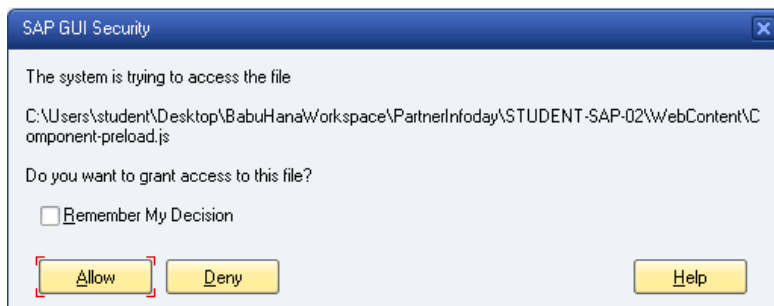
Scroll to the bottom of the screen



Click on [Click here to Upload]



You may get this security popup

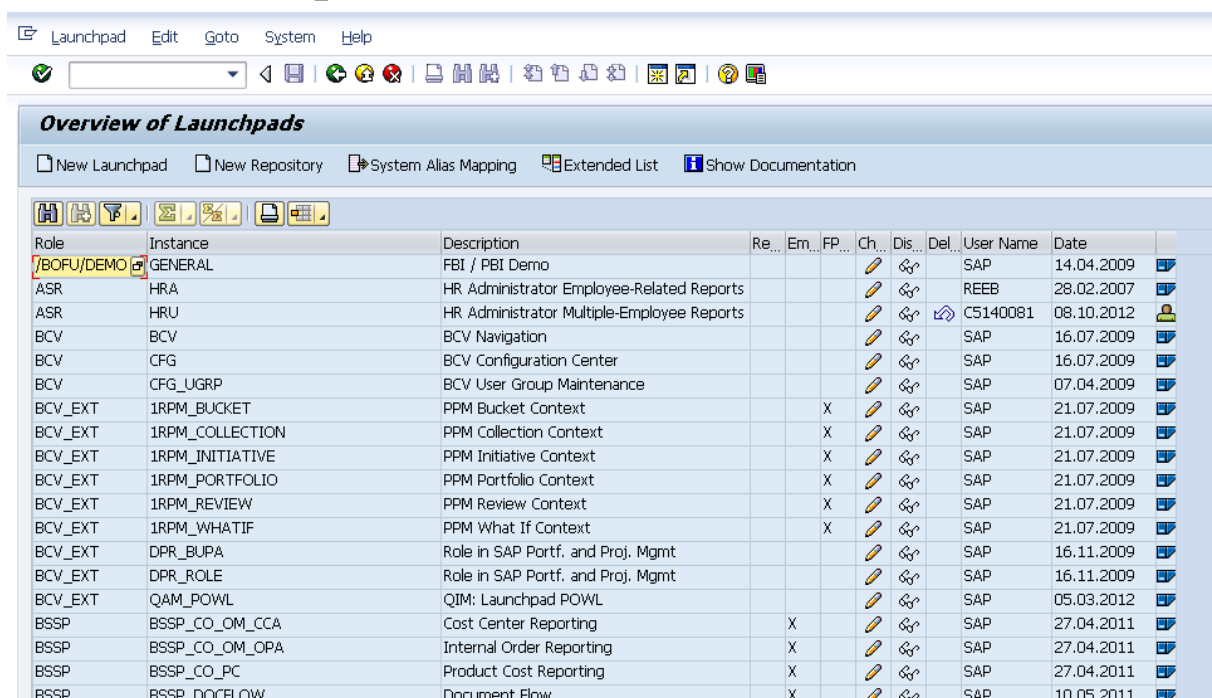


Click on Allow (You may get this popup Multiple times during the upload) You can disable this popup by adjusting the SAP GUI security settings accordingly

You have now uploaded the SAPUI5 application to the SAP Gateway Server as a BSP application. You can verify this by viewing the BSP application in Transaction SE80

## 1.2 Create a Launchpad Role in LPD\_CUST

Execute Transaction LPD\_CUST



Role	Instance	Description	Re...	Em...	FP...	Ch...	Dis...	Del...	User Name	Date
/BOFU/DEMO	GENERAL	FBI / FBI Demo							SAP	14.04.2009
ASR	HRA	HR Administrator Employee-Related Reports							REEB	28.02.2007
ASR	HRU	HR Administrator Multiple-Employee Reports							C5140081	08.10.2012
BCV	BCV	BCV Navigation							SAP	16.07.2009
BCV	CFG	BCV Configuration Center							SAP	16.07.2009
BCV	CFG_UGRP	BCV User Group Maintenance							SAP	07.04.2009
BCV_EXT	1RPM_BUCKET	PPM Bucket Context			X				SAP	21.07.2009
BCV_EXT	1RPM_COLLECTION	PPM Collection Context			X				SAP	21.07.2009
BCV_EXT	1RPM_INITIATIVE	PPM Initiative Context			X				SAP	21.07.2009
BCV_EXT	1RPM_PORTFOLIO	PPM Portfolio Context			X				SAP	21.07.2009
BCV_EXT	1RPM_REVIEW	PPM Review Context			X				SAP	21.07.2009
BCV_EXT	1RPM_WHATIF	PPM What If Context			X				SAP	21.07.2009
BCV_EXT	DPR_BUPA	Role in SAP Portf. and Proj. Mgmt							SAP	16.11.2009
BCV_EXT	DPR_ROLE	Role in SAP Portf. and Proj. Mgmt							SAP	16.11.2009
BCV_EXT	QAM_POWL	QIM: Launchpad POWL							SAP	05.03.2012
BSSP	BSSP_CO_OM_CCA	Cost Center Reporting		X					SAP	27.04.2011
BSSP	BSSP_CO_OM_OPA	Internal Order Reporting		X					SAP	27.04.2011
BSSP	BSSP_CO_PC	Product Cost Reporting		X					SAP	27.04.2011
BSSP	BSSP_DOCFLOW	Document Flow		X					SAP	10.05.2011

New Launchpad

Click on

Enter the following details in the popup

Role: ZXXXLPD (XXX being your student number)

Instance: TRANSACTIONAL

Description: Student XXX LPD Role (XXX being your student number)



Click on

Click on Yes on the popup









New Application

Click on

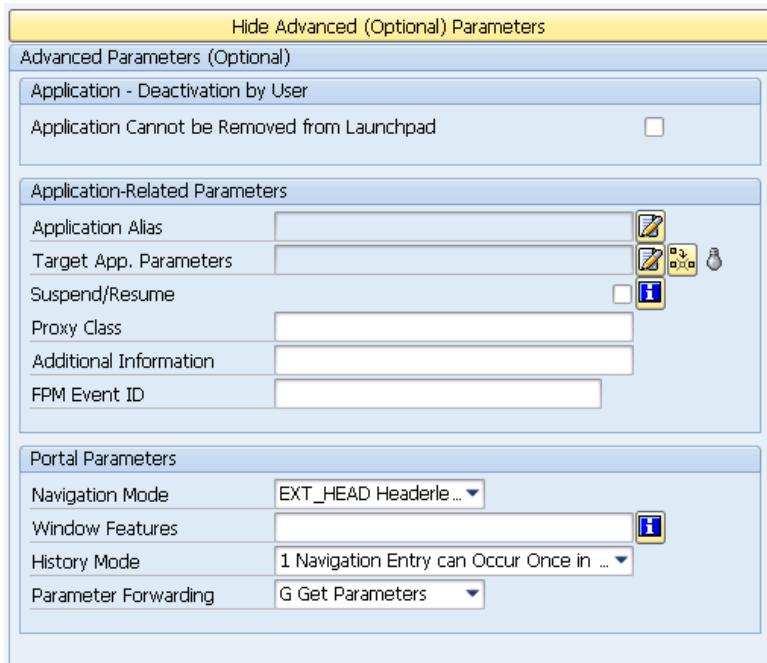
Enter the Details below:

Link Details	
Link Text	STUDENT XXX Self Service Application
Description	
Application Type	
Application Type	URL
Application Parameter	
URL	
System	
System Alias	
Show Advanced (Optional) Parameters	

Click on the  button next to URL field

Link Details	
Link Text	STUDENT XXX Self Service Application
Description	
Application Type	
Application Type	URL
Application Parameter	
URL	
<div>  </div> <div>        </div> <div> /sap/bc/ui5_ui5/sap/zstudent_000 </div> <div> *   Li 1, Co 33   Ln 1 - Ln 1 of 1 lines </div>	
System	
System Alias	
Show Advanced (Optional) Parameters	

Click on button 



Hide Advanced (Optional) Parameters

Advanced Parameters (Optional)

Application - Deactivation by User

Application Cannot be Removed from Launchpad ☐

Application-Related Parameters

Application Alias

Target App. Parameters

Suspend/Resume ☐

Proxy Class

Additional Information

FPM Event ID


Portal Parameters

Navigation Mode

Window Features

History Mode

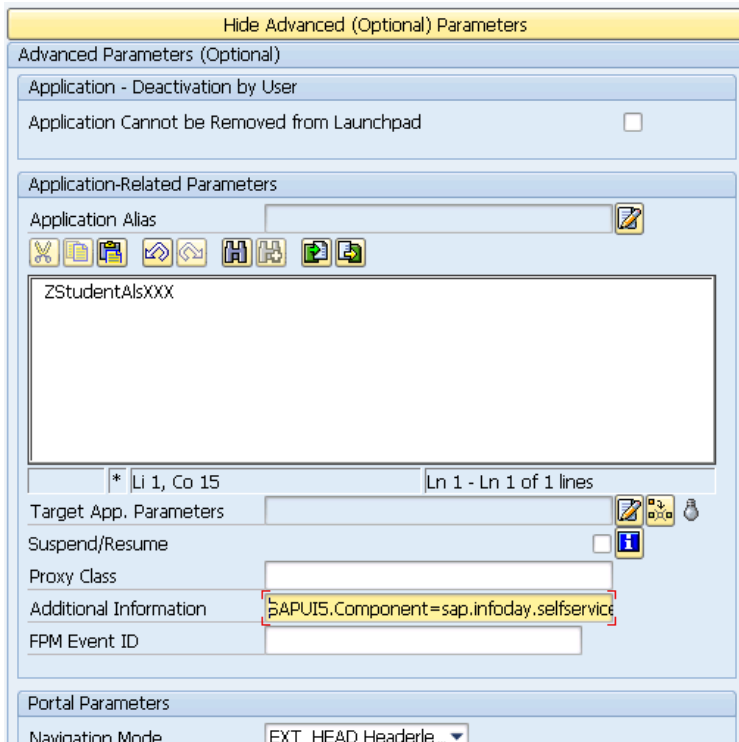
Parameter Forwarding

Click on the  button next to Application Alias field

Enter

Application Alias: ZStudentAlsXXX (XXX being your student number)

Additional Information: SAPUI5.Component=sap.infoday.selfservice



Hide Advanced (Optional) Parameters

Advanced Parameters (Optional)

Application - Deactivation by User

Application Cannot be Removed from Launchpad ☐

Application-Related Parameters

Application Alias

Target App. Parameters

Suspend/Resume ☐

Proxy Class

Additional Information

FPM Event ID

Portal Parameters


Navigation Mode


Click on  button

You have now created a Launchpad instance

## 1.3 Create a Semantic Object in /UI2/SEMOBJ

Execute transaction /n/UI2/SEMOBJ

Click on the  button

You may get a message informing that the table is cross-client, click on 



Click on **New Entries** button


Enter the following:

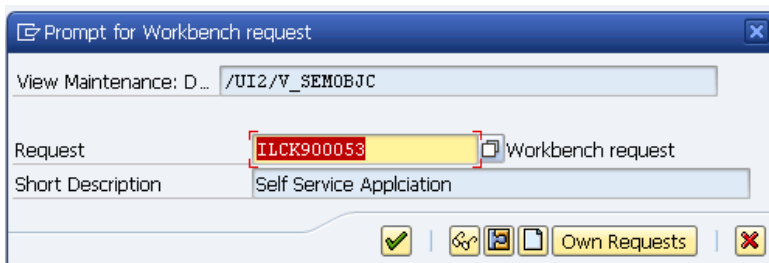
Semantic Object: ZStudentSemXXX (XXX being your student number)

Semantic Object Name: ZStudentSemXXX (XXX being your student number)

Semantic Object Description: Semantic Object for Student XXX (XXX being your student number)

Click on  button

Chose your transport request and click on 



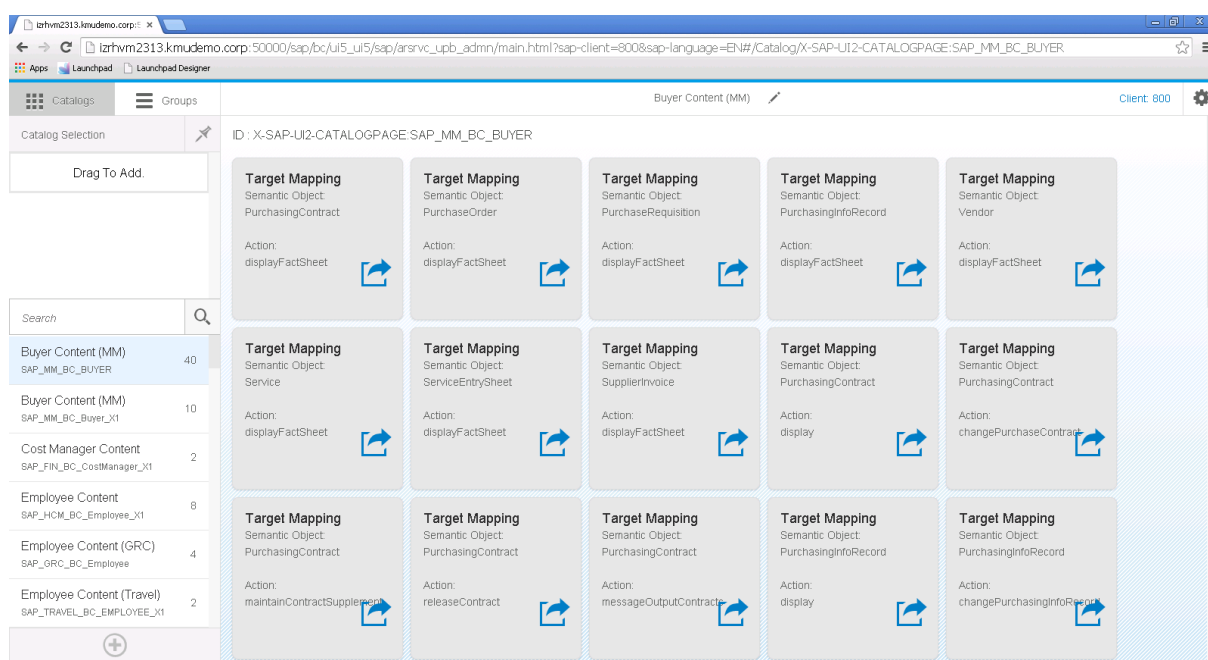
You have successfully created a Semantic Object

## 1.4 Create Catalog, Target Mapping and a Static Tile

Launch the Fiori Launchpad Designer

[http://yourservername:port/sap/bc/ui5\\_ui5/sap/arsvc\\_upb\\_admn/main.html](http://yourservername:port/sap/bc/ui5_ui5/sap/arsvc_upb_admn/main.html)

Login with your SAP Gateway Student userid/password



Click on

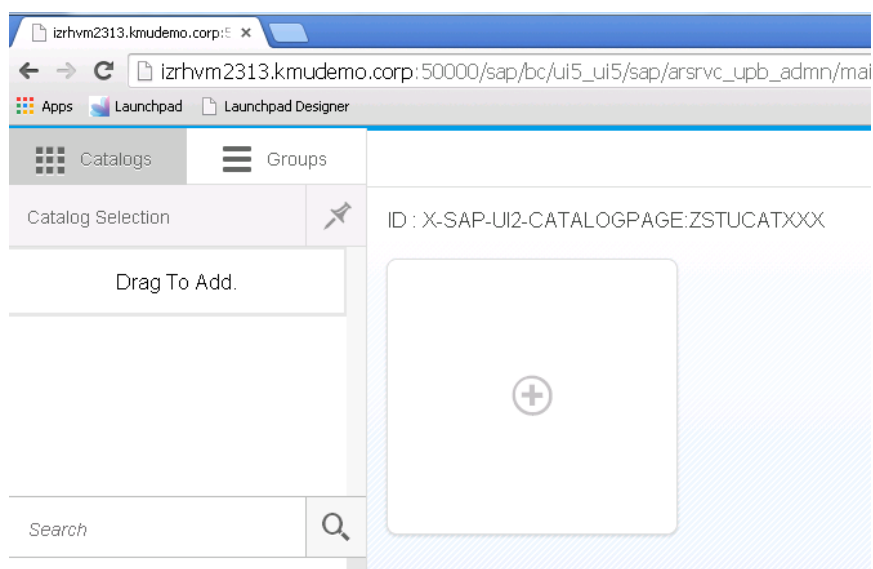
Enter Title: Student XXX Catalog

ID: ZSTUCATXXX (XXX being your student number)

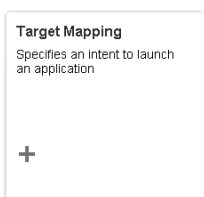
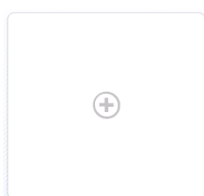
The screenshot shows the 'Create Catalog' form in SAP Launchpad Designer. The form has two radio buttons: 'Standard' (selected) and 'Remote'. Below them are input fields for 'Title' and 'ID'. The 'Title' field contains 'Student XXX Catalog' and the 'ID' field contains 'ZSTUCATXXX'. At the bottom are 'Save' and 'Cancel' buttons.

Click on Save

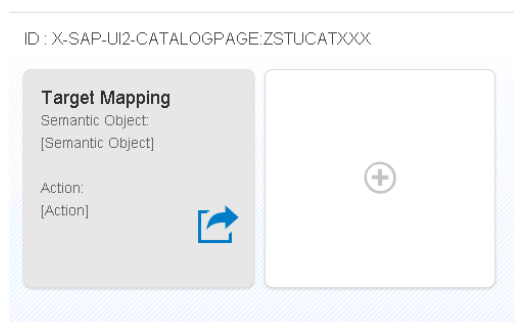
Your Catalog is now created



Click on



Click on to create a Target Mapping  
Click on the empty Target Mapping you just created



Enter the following in the Target Mapping Definition

Semantic Object: ZStudentSemXXX

Action: display

Launchpad Role: ZXXXLPD

Launchpad Instance: TRANSACTIONAL

Application Alias: ZStudentAlsXXX

(XXX being your student number)



**Intent**

Semantic Object: ZStudentSemXXX

Action: display

**Target**

Launchpad Role: ZXXLPD

Launchpad Instance: TRANSACTIONAL

Application Alias: ZStudentAlsXXX

Application ID:

**General**

Information:

Form Factor: ☒ Desktop ☒ Tablet ☒ Phone


Click on Save to save your Target Mapping


ID : X-SAP-UI2-CATALOGPAGE:ZSTUCATZ01

**Target Mapping**


Semantic Object: ZStudentSemZ01


Action: display





Next we will create a static tile

Click on the  tile

Click on the  tile

**App Launcher - Static**

Displays static text and icons that can be configured

Click on the Static tile you just created, Enter the following details:

**[Title]**  
[Subtitle]

[Information]

Configure: 'App Launcher - Static'

**General**

Title: Student XXX App

Subtitle: Student XXX Self Service App

Keywords:

Icon: sap-icon://inbox

Information:

**Navigation**

Use semantic object navigation: ☒

Semantic Object: ZStudentSemXXX

Action: display

Parameters:

Target URL:

Click on Save

You have now created a Static tile.

We will next create a Group

Click on  Groups on the navigation pane

Catalogs		Groups	
Search		Q	
Buyer (MM)	5		
SAP_MM_BCG_Buyer_X1			
Cost Manager	1		
SAP_FIN_BCG_CostManager_X1			
Employee	4		
SAP_HCM_BCG_Employee_X1			

Click on the 

Enter the following:

Title: Student XXX Group

ID: ZSTUGRPXXX

Create Group

Title:

Student XXX Group

ID:

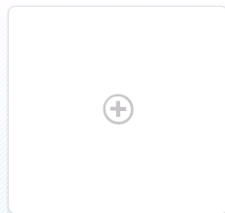
ZSTUGRPXXX

Save

Cancel

Click on Save

ID : ZSTUGRPXXX



Click on to add the catalog you created to the group


←

Add Tile to Group 'Student XXX Group'

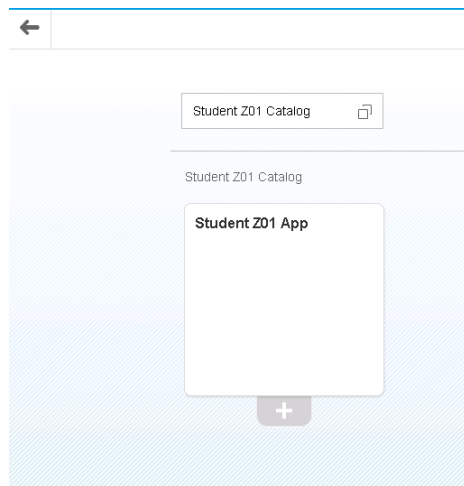
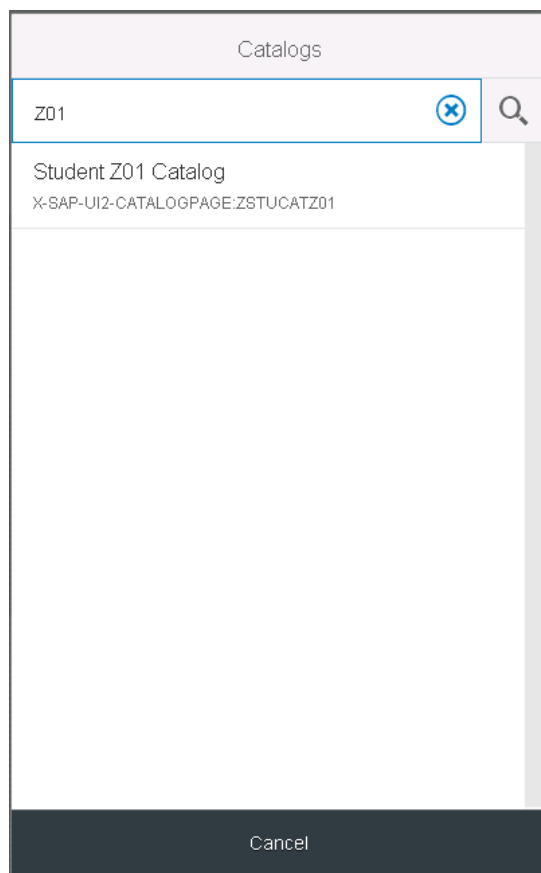
Buyer Content (MM)


Buyer Content (MM)

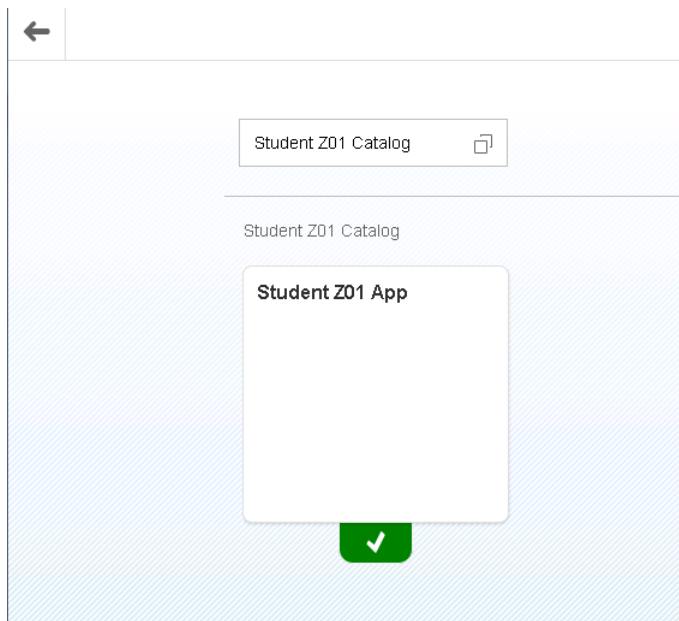
No tiles in this catalog

Click on  to lookup for your catalog

Key in your XXX student number to filter and lookup for your catalog and click on it to choose.



Click on the  button to add the catalog to the group

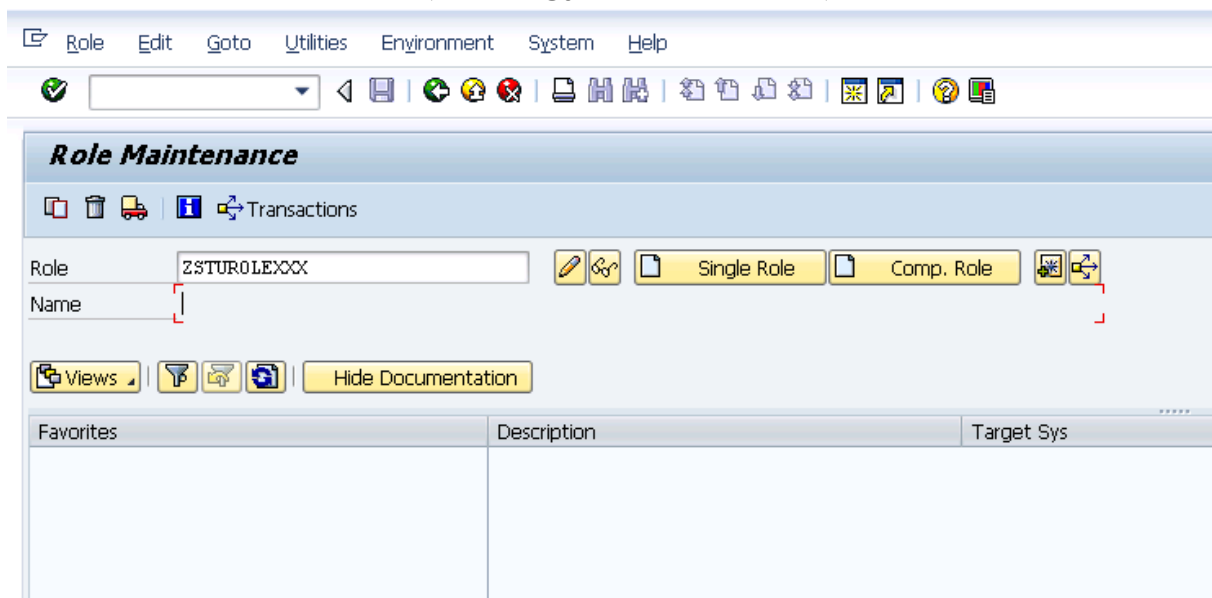


You have now created a Group and added the catalog to it.

## 1.5 Create a PFCG Role for the Catalog and Group

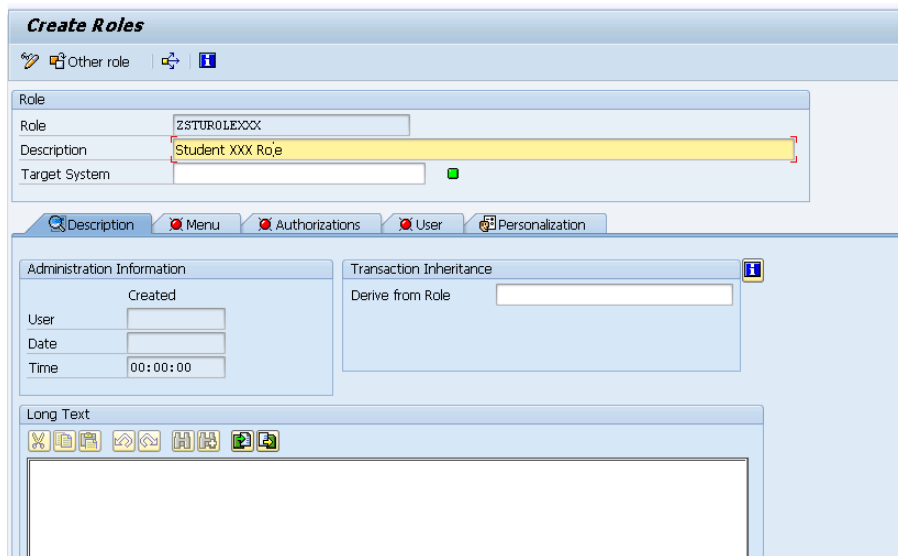
Execute Transaction PFCG

Enter Role Name: ZSTUROLEXXX (XXX being your student number)



Click on  button

Enter Description: Student XXX Role



The 'Create Roles' dialog box is shown with the 'Description' tab selected. The 'Role' field contains 'ZSTUR0LEX0X'. The 'Description' field contains 'Student XXX Role'. The 'Target System' field is empty. Below the tabs, there are sections for 'Administration Information' (User, Date, Time) and 'Transaction Inheritance' (Derive from Role). A 'Long Text' area is at the bottom.

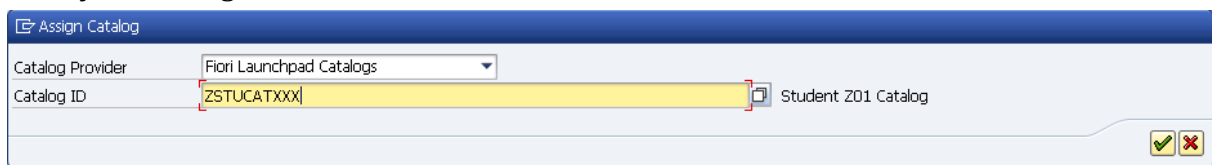
Click  button

Click on the Menu Tab


Click on the  Transaction (Click on the Arrow and not the button)

Choose Catalog from the list

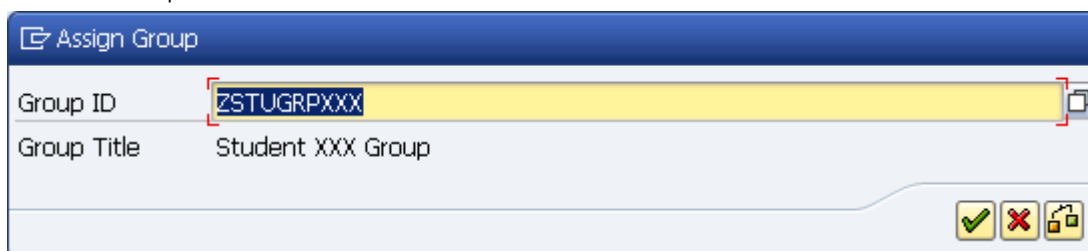
Enter your Catalog ID and click on 



The 'Assign Catalog' dialog box is shown. The 'Catalog Provider' dropdown is set to 'Flori Launchpad Catalogs'. The 'Catalog ID' field contains 'ZSTUCATXXX'. A list on the right shows 'Student Z01 Catalog' selected. Checkmark and X icons are at the bottom right.

Click on the  Catalog (Click on the Arrow and not the button)

Choose Group from the list



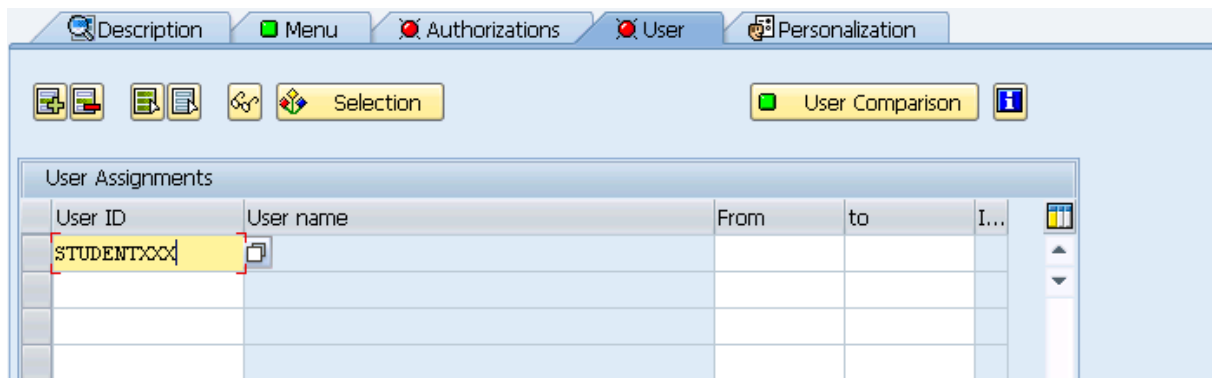
The 'Assign Group' dialog box is shown. The 'Group ID' field contains 'ZSTUGRPXXX'. The 'Group Title' is 'Student XXX Group'. Checkmark, X, and Save icons are at the bottom right.

Enter the Group ID: ZSTUGRPXXX

And click on 

Click on the User Tab

Enter your User Id and Click on Save to save the role

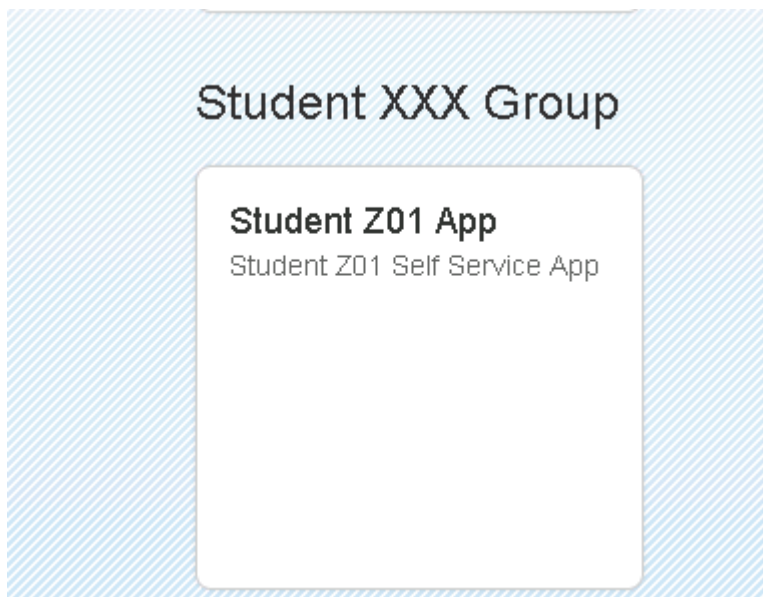


You have now created a Role and assigned to your user

Test the FIORI Launchpad

[http://yourservername:port/sap/bc/ui5\\_ui5/ui2/ushell/shells/abap/FioriLaunchpad.html?sap-client=800&sap-language=EN](http://yourservername:port/sap/bc/ui5_ui5/ui2/ushell/shells/abap/FioriLaunchpad.html?sap-client=800&sap-language=EN)

Scroll to the end of the Page



Click on the Tile to launch your application from the FIORI Launchpad



[www.sap.com/contactsap](http://www.sap.com/contactsap)

[www.sdn.sap.com/irj/sdn/howtoguides](http://www.sdn.sap.com/irj/sdn/howtoguides)



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