

In this article you will learn from a working example, how to extend view object in OA Framework to add a new field to standard page. This article will also teach you how this extension can be tested from both jDeveloper and also how this can be deployed to eBusiness Suite. Lets say, in the iProcurement shopping home page, we need to add Supplier Number field in the “My Requisitions” region. My requisition region primarily displays the data from PO_REQUISITION_HEADERS_ALL Table. However it is the table po_requisition_lines_all that contains the vendor id.

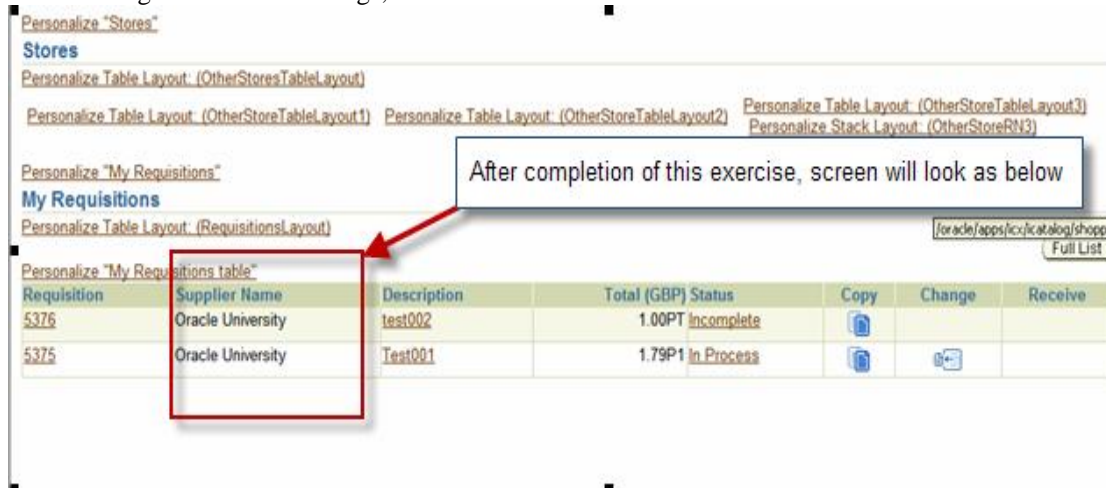
In order to add a Supplier Name field here :-

1. Create a PL/SQL function that returns comma separated list of Supplier Names against a requisition.
2. Extend the View object being used which is MyReqsGlanceVO. Hence new view object xxgnmMyReqsGlanceVO will be created. xxgnmMyReqsGlanceVO will extend from standard view object MyReqsGlanceVO.
3. Create substitution in jDeveloper, so that new/extended view replaces standard view object MyReqsGlanceVO
4. Run the page from jDeveloper or from eBusiness Suite, so as to personalization the existing region. By personalization, a new field will be added. This new field will have a prompt Supplier number. And also, this new field will be mapped to the new view object attribute.
5. Deploy the changes to application tier

Before making the changes, screen will look as below



After making the extension change, screen will look as shown below

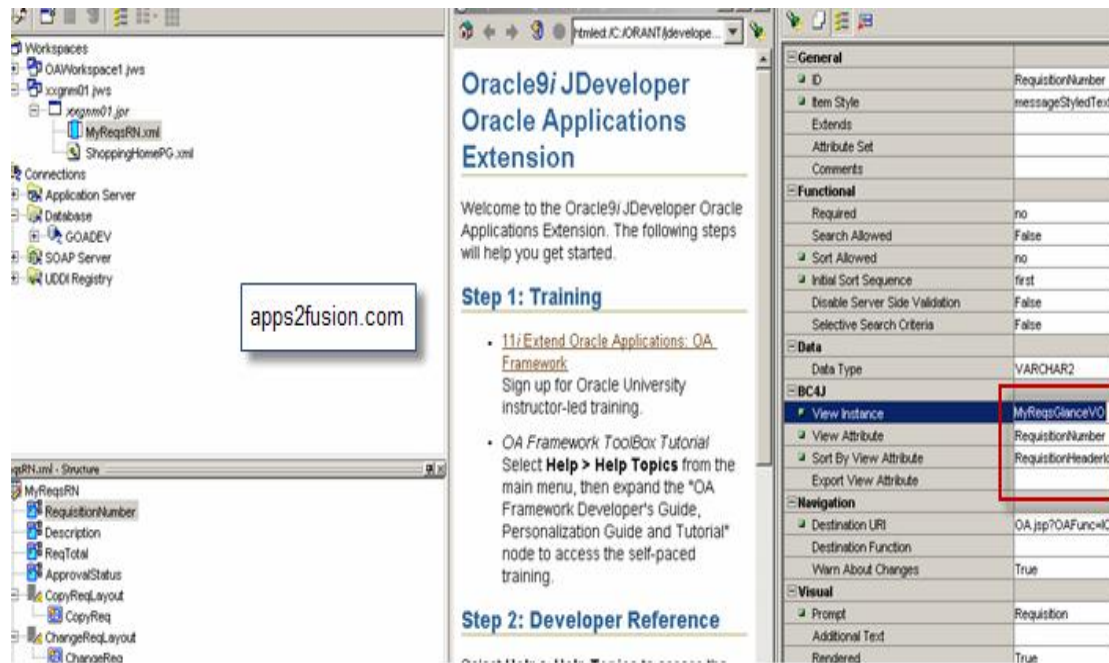


First find the name of the page. This can be done by examining the URL or by clicking on Personalize link or by using about this link page

The document name in question is `/oracle/apps/icx/icatalog/shopping/webui/ShoppingHomePG`

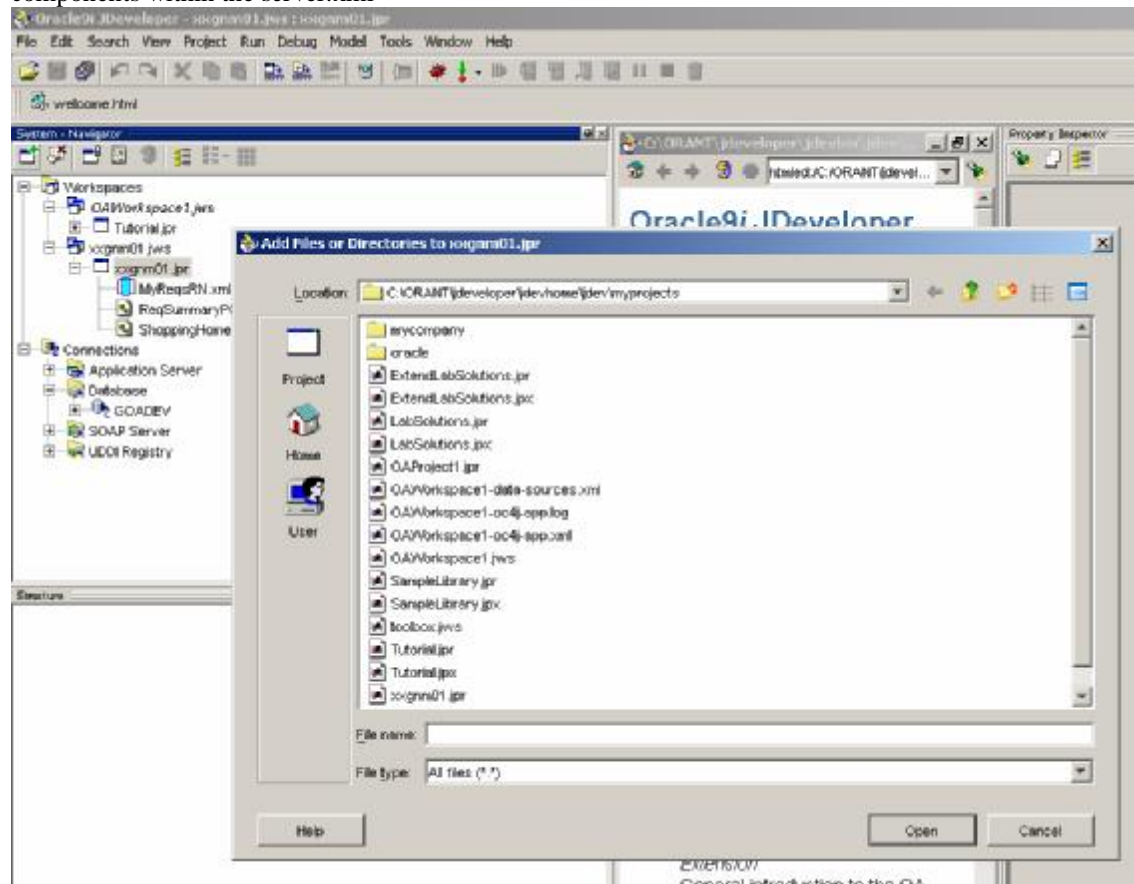
For extension, create a new OA Workspace and a new OA Project.

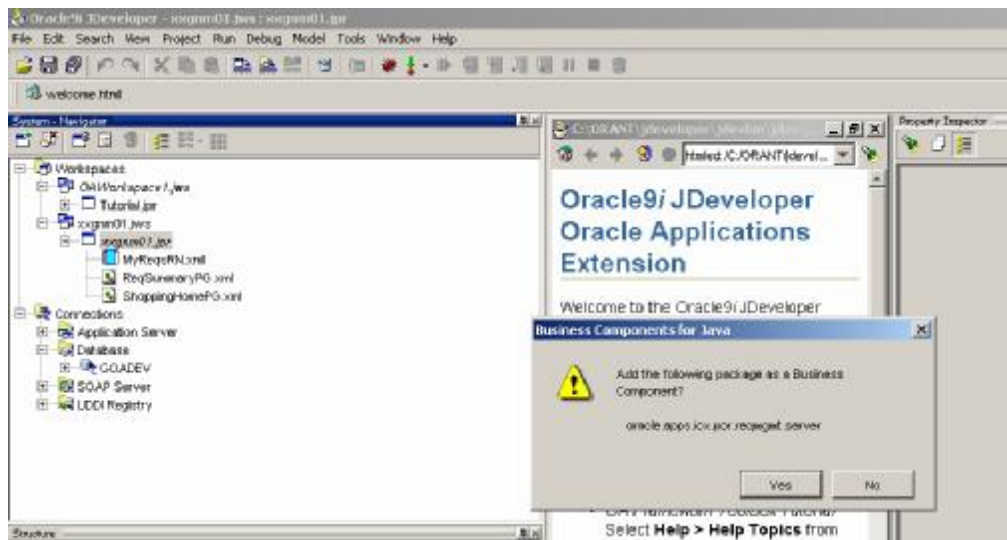
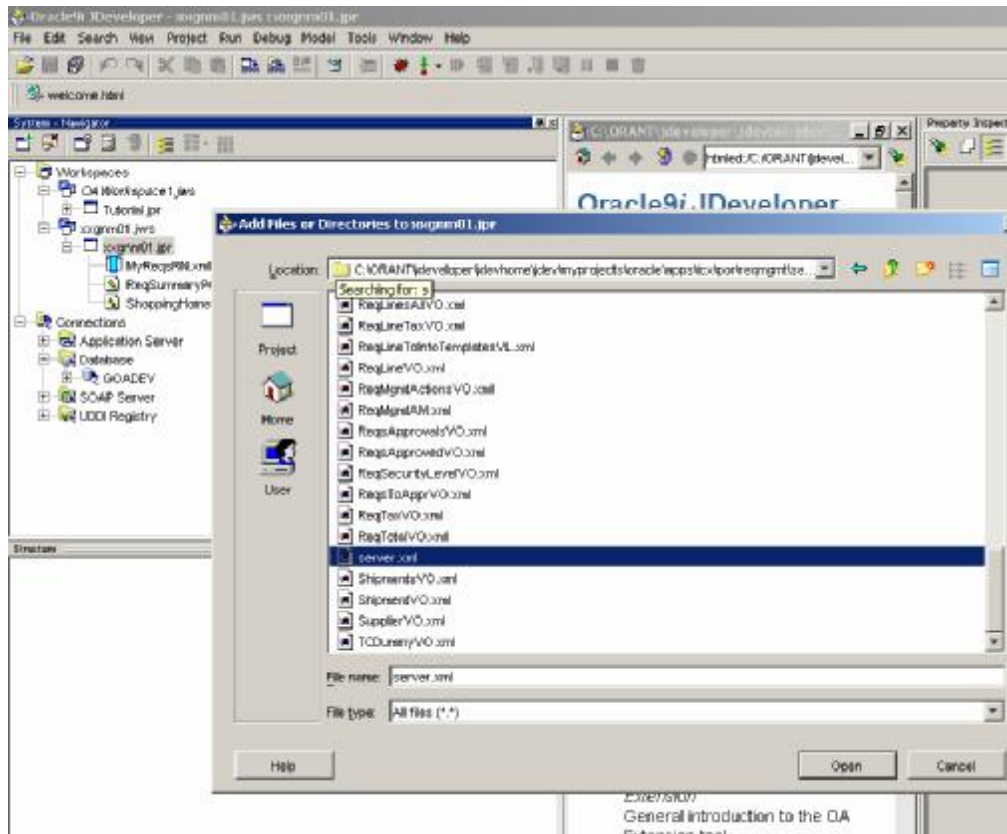
Create a project named `xxgnm01`

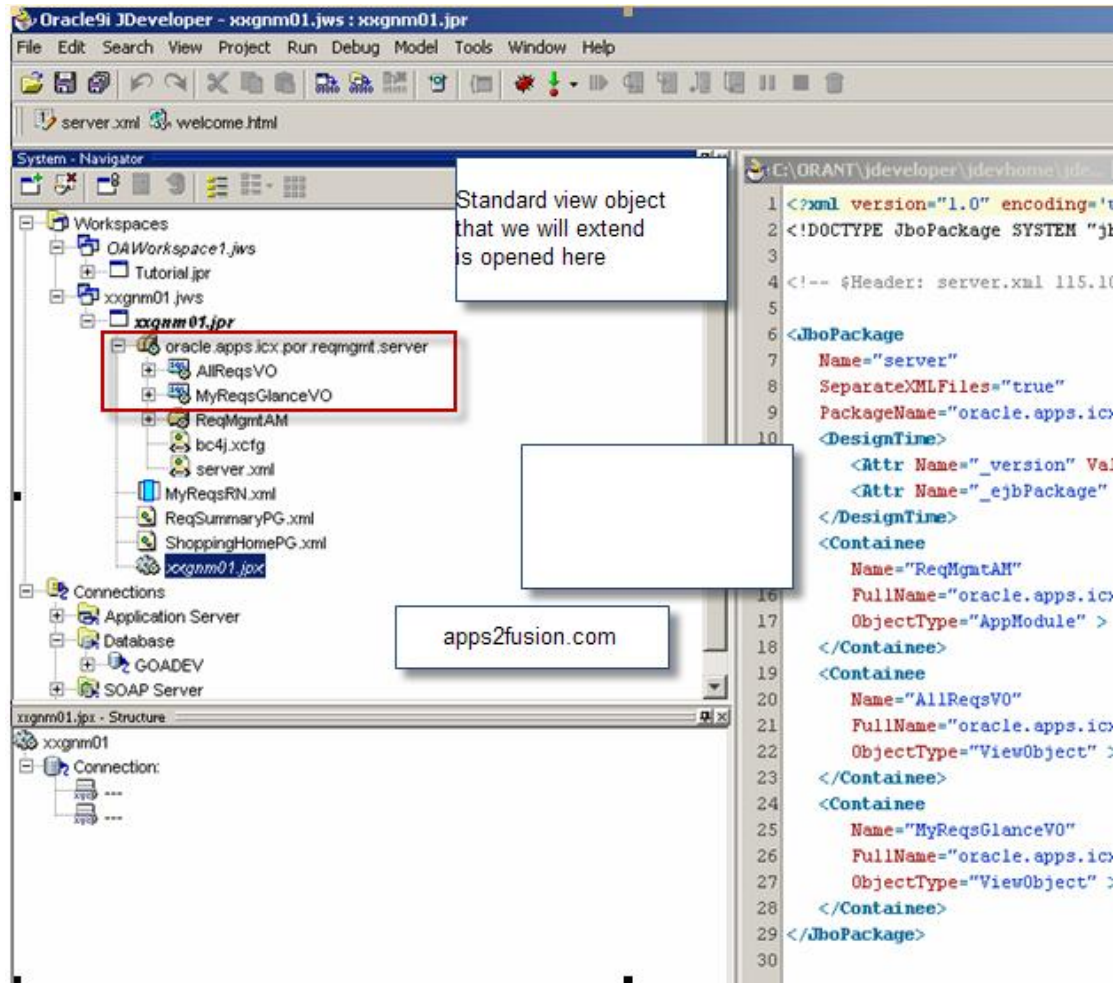


View object being used is MyReqGlanceVO

Edit server.xml to retain only those vo's that we wish to extend
 This step is optional, but helps sometimes when you have too many BC4J components within the server.xml

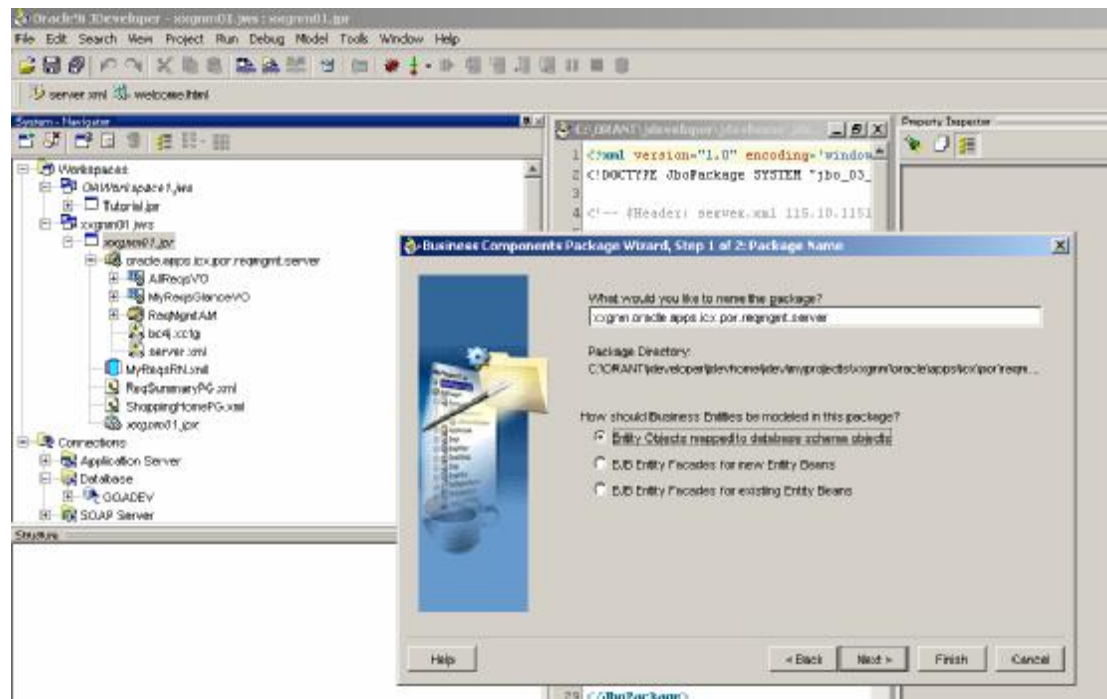
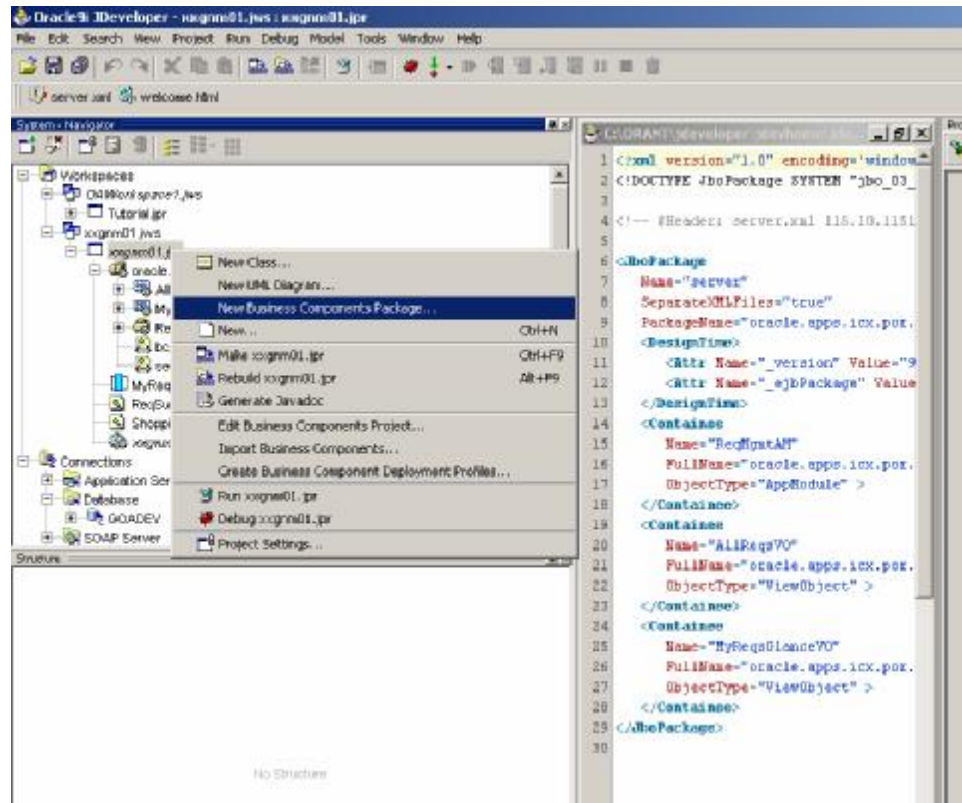






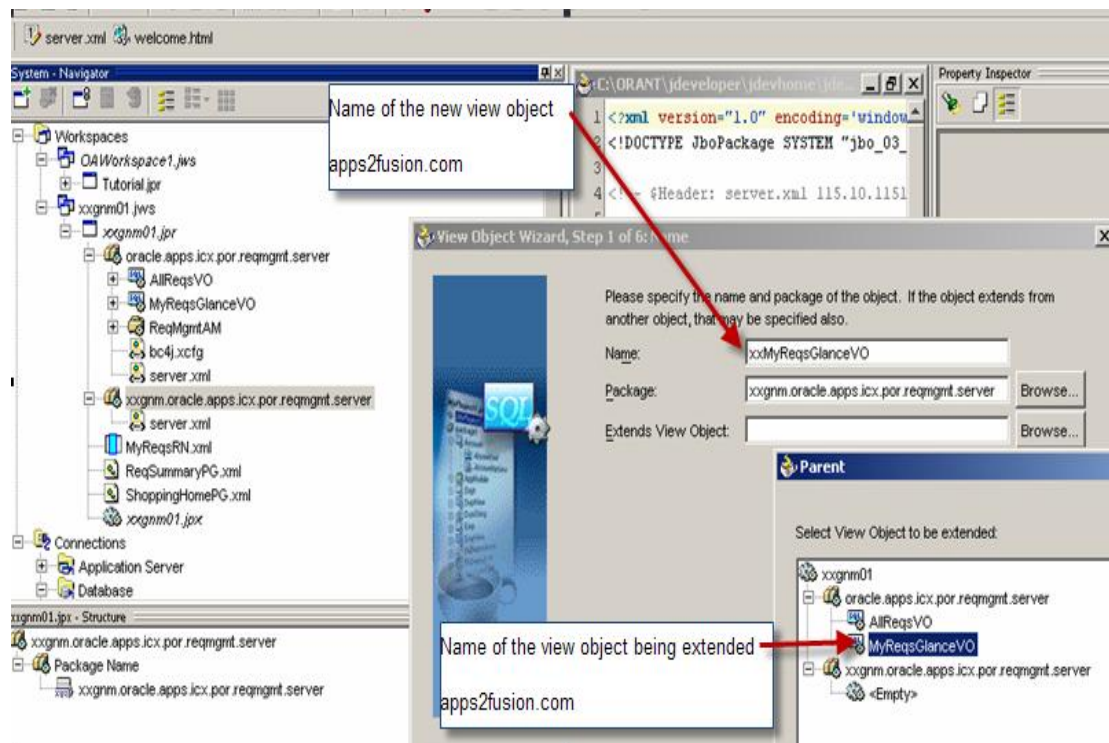
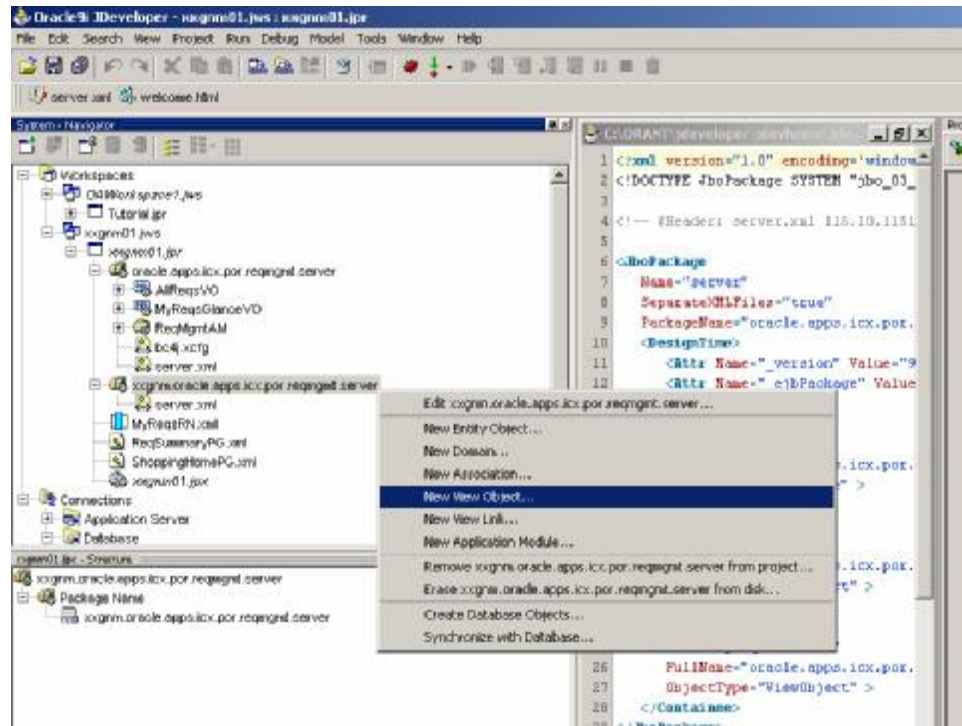
Copy the query from above View object in ClipBoard

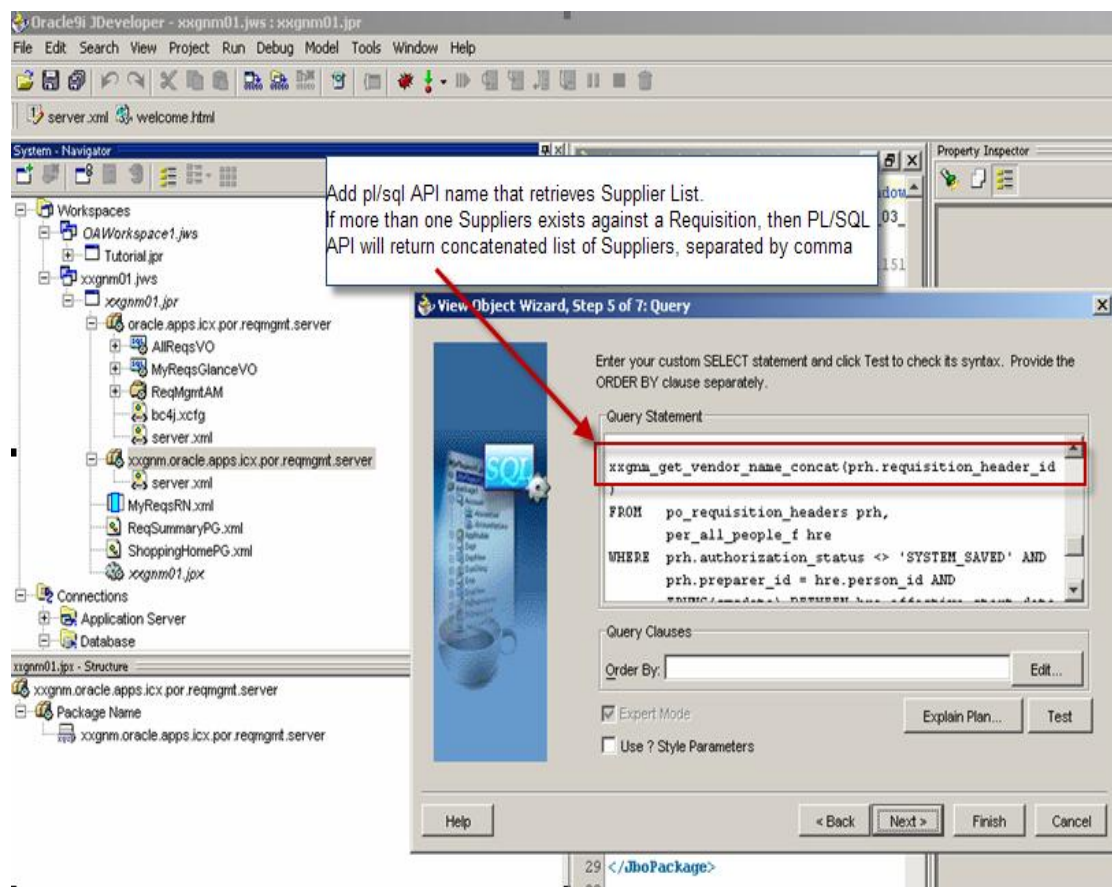
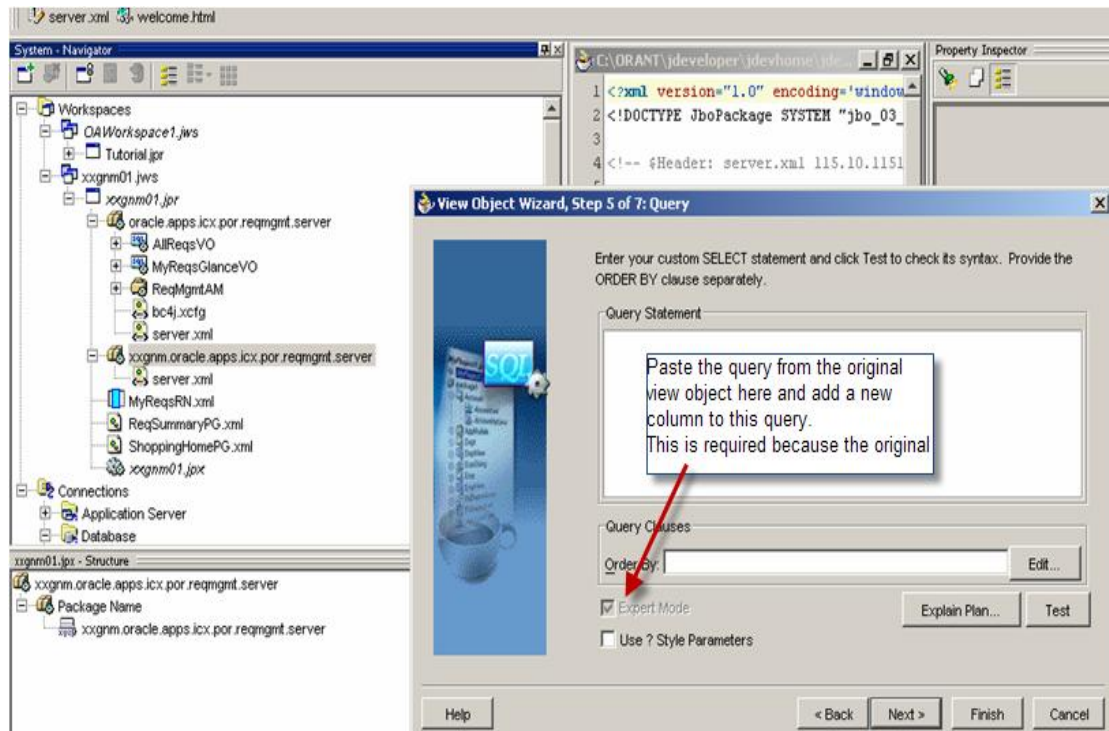
Create the custom bc4j xxgmn.oracle.apps.icx.por.reqmgmt.server
Inside this package we will be creating an Extended View Object

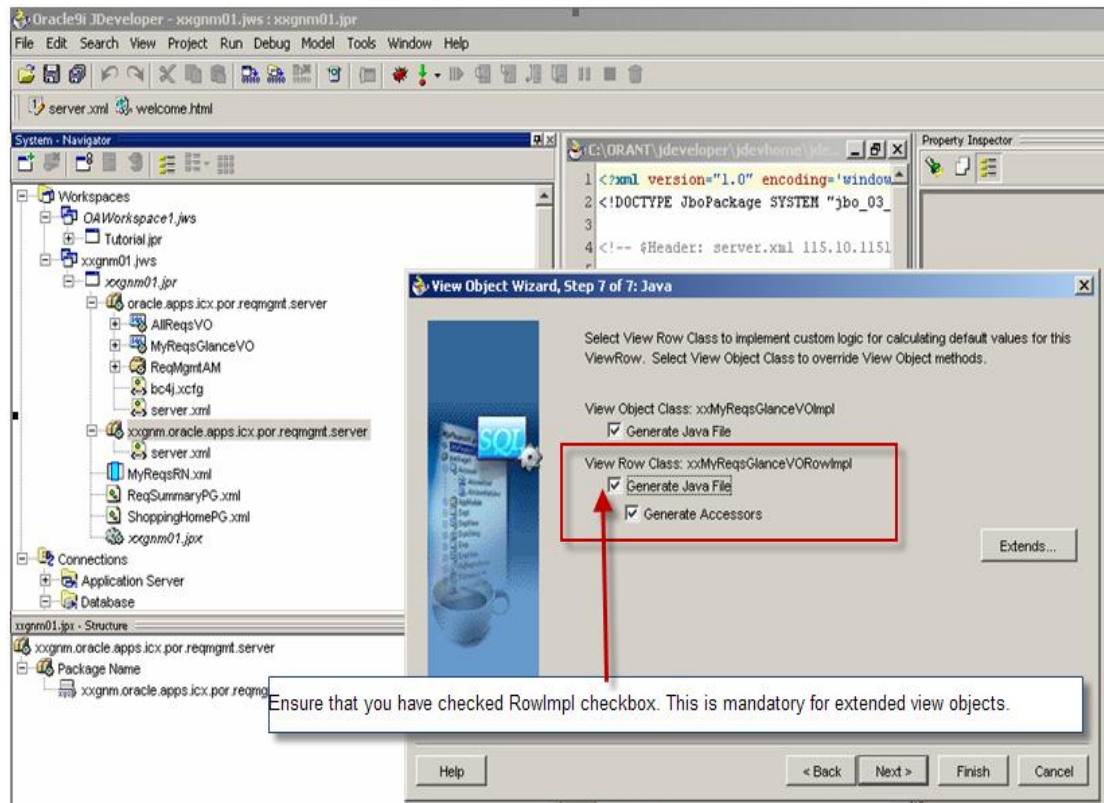


Click on finish

Create a new view object

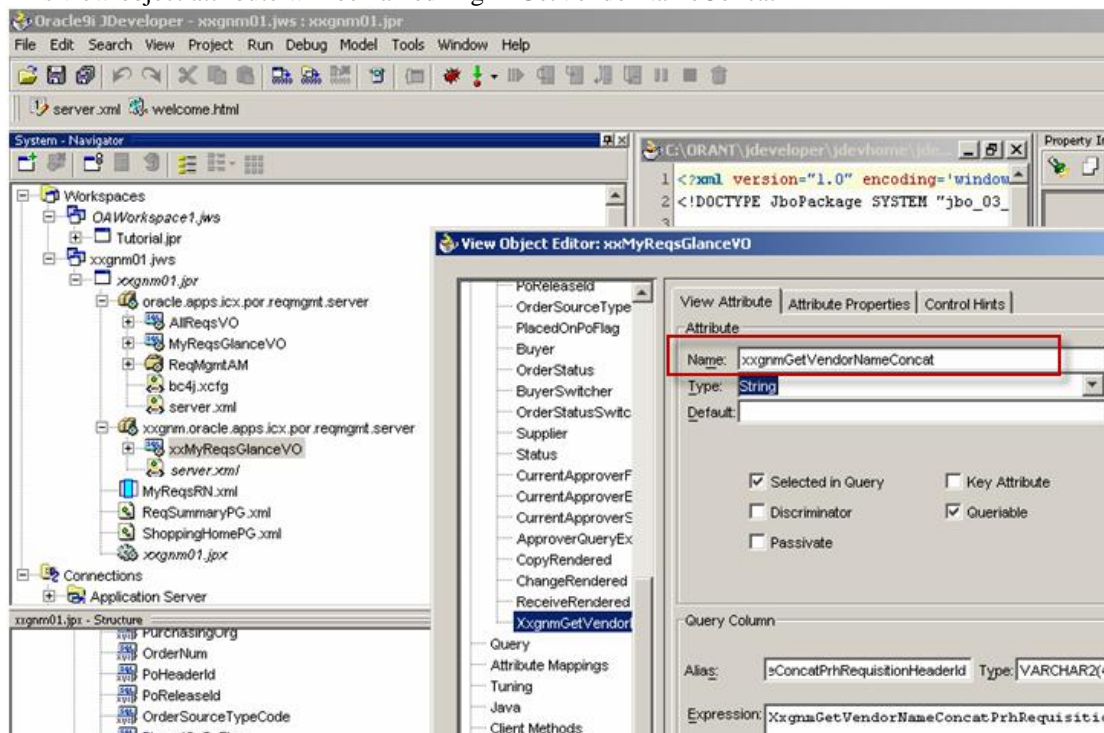


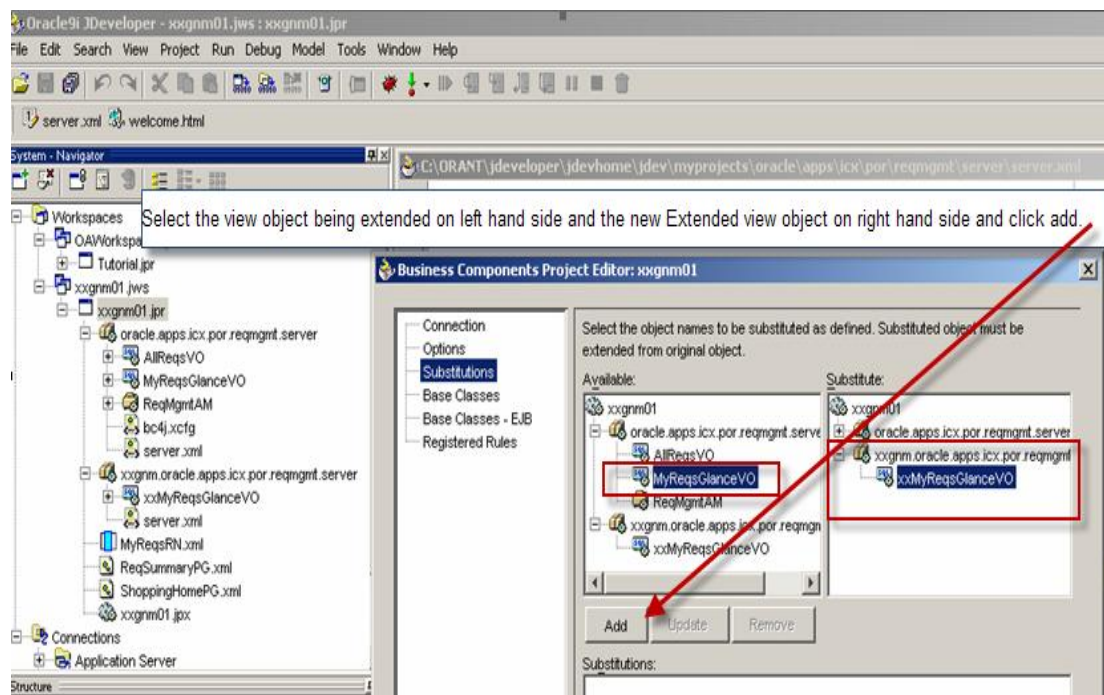
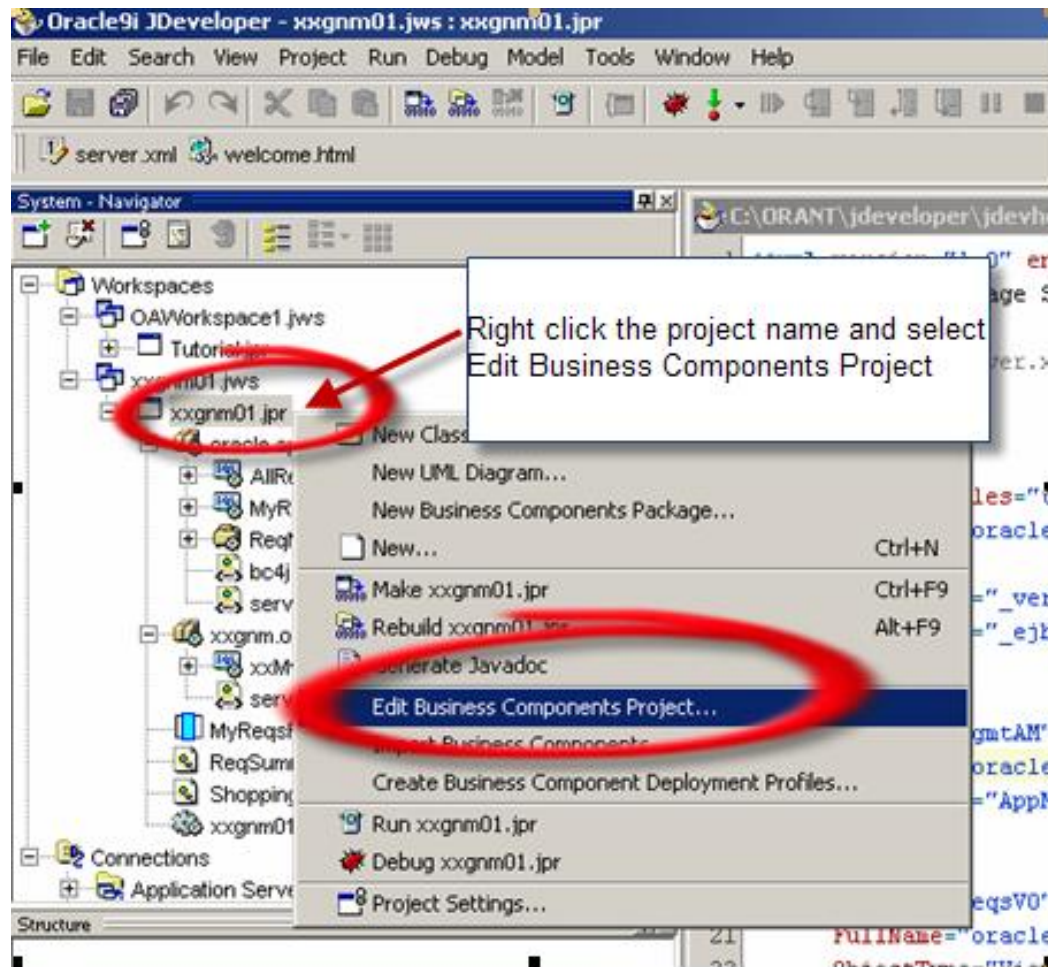


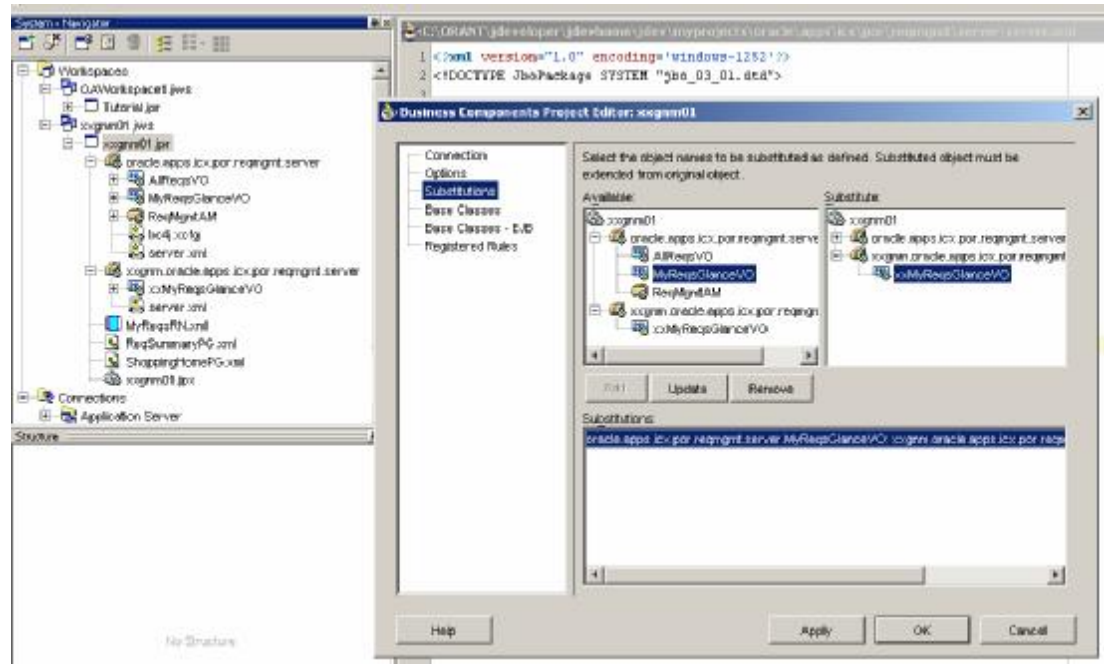


Change newly created attribute name to something meaningful.

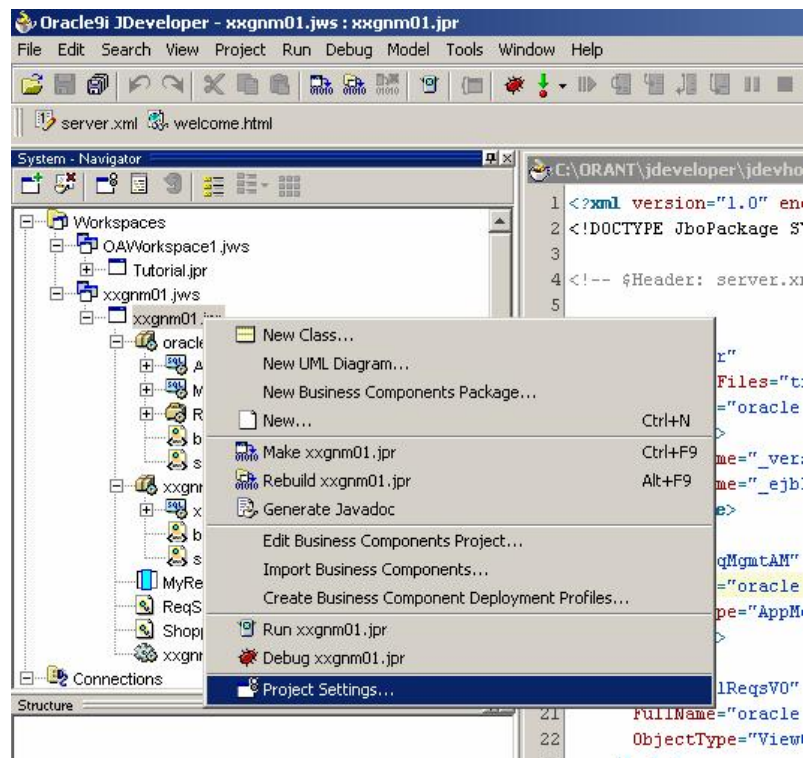
This view object attribute will be named xxgnmGetVendorNameConcat

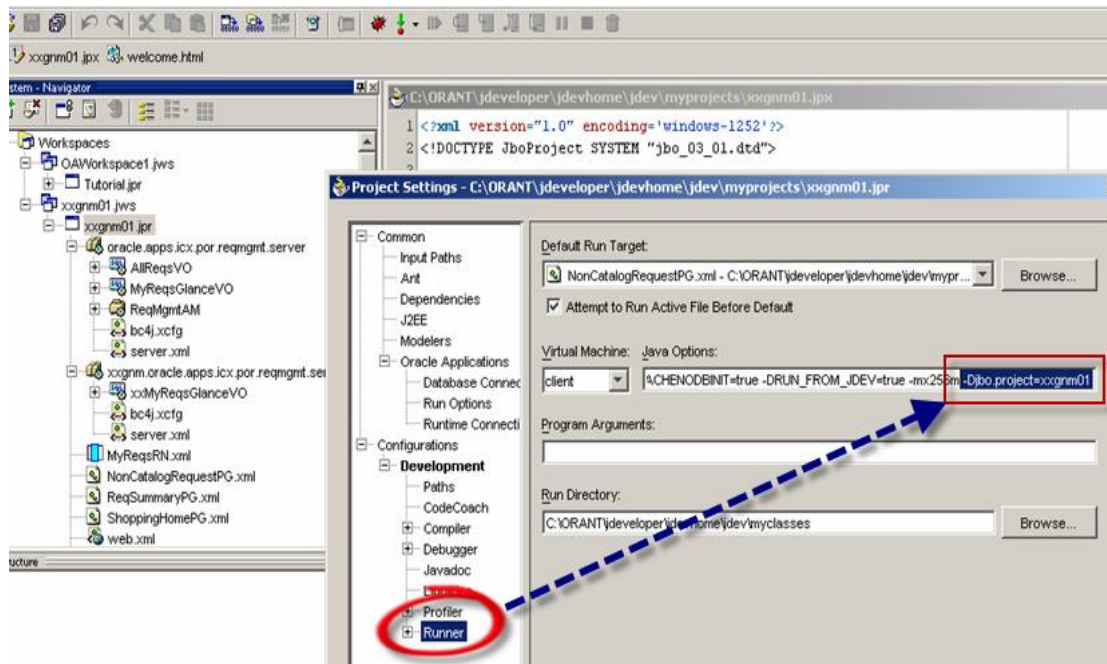






Now that we have done substitution, we need to tell jDeveloper that this substitution should be picked up during runtime of the page. This is required if you wish to test your VO Extension from the jDeveloper. For testing BC4J extensions from jDeveloper, we need to modify Runner property, and append a text as shown below, which is `-Djbo.project=<name of your project>`

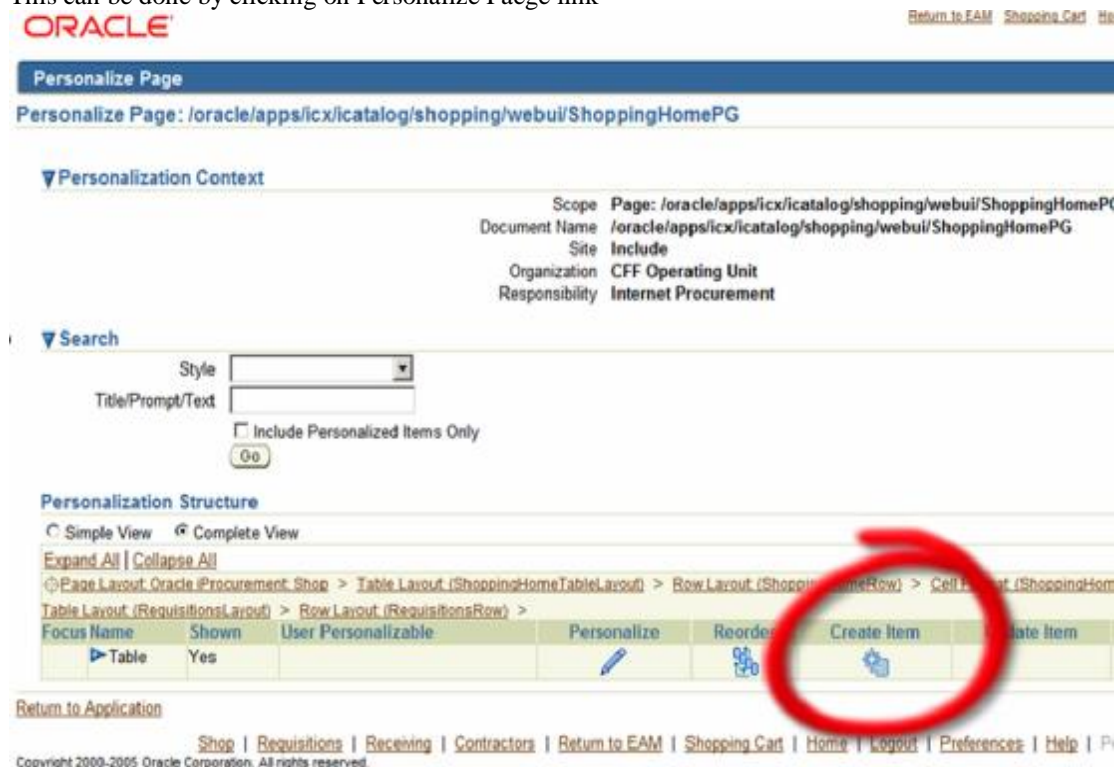




Add above directive, so that extensions can be tested from jdeveloper itself

If you wish deploy the extension to the server, then use the above command
`jpximport.bat OAPProject1.jpx -username apps`
`-password apps -dbconnection "(description=(address_list=(`
`address=(community=tcp.world)(protocol=tcp)(host=focusthreadServer.com)`
`(port=1555))(connect_data=(sid=FOCUSR12)))"`

Now, lets personalize the iProcurement page and add a new field
 This can be done by clicking on Personalize Page link



Personalize Page

Create Item

* Indicates required field

Level

Item Style

Property	Value
* ID	xxSupplierNameField
Access Key	
Additional Text	
Admin Personalization	true
Attribute Set	
CSS Class	
Comments	
Data Type	VARCHAR2
Destination Function	
Destination URI	
Disable Server Side Validation	false
Export View Attribute	
Extends	
Height	
Initial Sort Sequence	none
Long Tip Region	
Maximum Length	
No Wrap	false
Prompt	Supplier Name
Rendered	true
Required	no
Scope	.
Search Allowed	false
Selective Search Criteria	false
Sort Allowed	no

File Edit View Favorites Tools Help	
Create Item	
Comments	
Data Type	VARCHAR2
Destination Function	
Destination URI	
Disable Server Side Validation	false
Export View Attribute	
Extends	
Height	
Initial Sort Sequence	none
Long Tip Region	
Maximum Length	
No Wrap	false
Prompt	Supplier Name
Rendered	true
Required	no
Scope	
Search Allowed	false
Selective Search Criteria	false
Sort Allowed	no
Sort By View Attribute	
Tip Message Name	
Tip Type	none
Total Value	false
User Personalization	false
Vertical Aligment	middle
View Attribute	xxgnmGetVendorNameConcat
View Instance	MyReqsGlanceVO
Warn About Changes	true
Width	

Enter the name of the view object[Not the extended] view object name.
Also enter the Attribute on which this field is based
This attribute retrieves value from
po_vendors.vendor_name

As shown below, we can see the new item that you added via personalization.

Personalization Context

Scope: Page: /oracle/apps/ics/catalog/shopping/webui/ShoppingHomePG
 Document Name: /oracle/apps/ics/catalog/shopping/webui/ShoppingHomePG
 Site: Include
 Organization: CFF Operating Unit
 Responsibility: Internet Procurement

Search

Style:
 Title/Prompt/Text:
 Include Personalized Items Only

Personalization Structure

Simple View Complete View

Expanded All | Collapse All

Page Layout: Oracle Procurement Shop > Table Layout: (ShoppingHomeTableLayout) > Row Layout: (ShoppingHomeRow) > Cell Format: (ShoppingHomeCell) > Default Single C
 Table Layout: (RequisitionsLayout) > Row Layout: (RequisitionsRow) >

Focus Name	Shown	User Personalizable	Personalize	Reorder	Create Item	Update Item	Delete Item
Table	Yes						
Message Styled Text: Requisition	Yes						
Message Styled Text: Supplier Name	Yes						
Message Styled Text: Description	Yes						

Personalize "Stores"

Stores

Personalize Table Layout: (OtherStoresTableLayout)

Personalize Table Layout: (OtherStoresTableLayout1) Personalize Table Layout: (OtherStoresTableLayout2) Personalize Table Layout: (OtherStoresTableLayout3)
 Personalize Stack Layout: (OtherStoreRT13)

Personalize "My Requisitions"

My Requisitions

Personalize Table Layout: (RequisitionsLayout)

Personalize "My Requisitions table"

Requisition	Supplier Name	Description	Total (GBP)	Status	Copy	Change	Receive
5375	Oracle University	test002	1.00PT	Incomplete			
5375	Oracle University	Test001	1.79P1	In Process			

Now we can see the "Supplier Name" field added.