SCM-Procurement.

Custom read-only pages for Responsive Self Service Procurement (RSSP).

With OIC Visual Builder (planned a version 2 of this exercise using Extension using free Fusion VB).

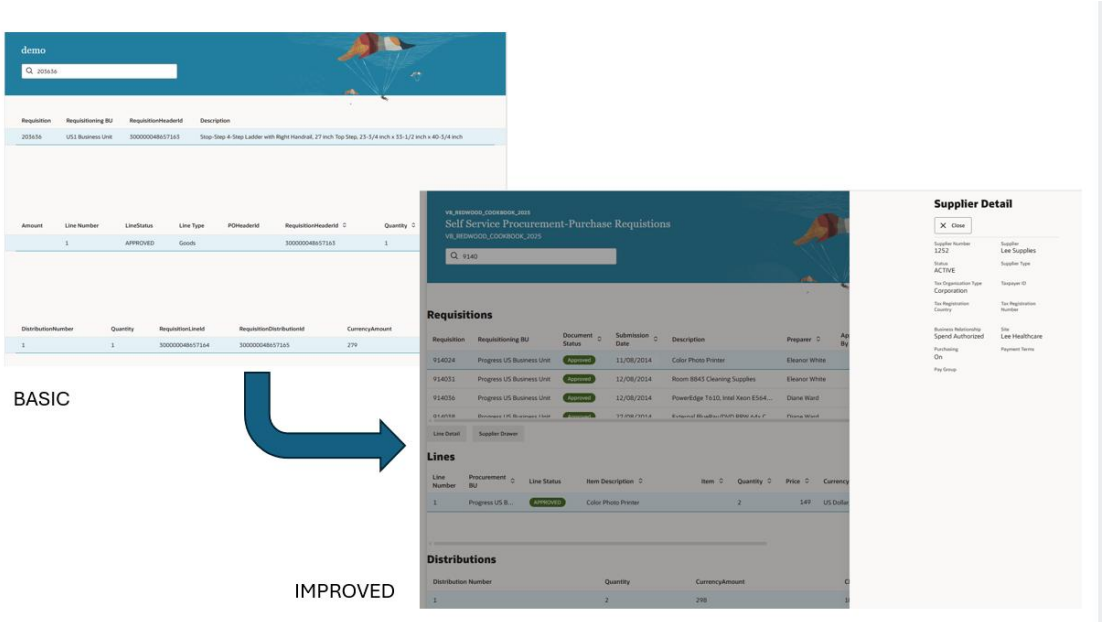
Introduction/Goal

Requirements as follows:

1. *Show purchase requisitions data.*
2. *Tabular form master-detail-detail.*
3. *Show a descriptive flexfields.*
4. *Filter using requisition.*

Improvements.

- *Show badge for status.*
- *Drawer for supplier.*
- *Detail page for lines+show image of the product.*
- *Filter using the following: RequisitioningBU business unit and Requisition.*

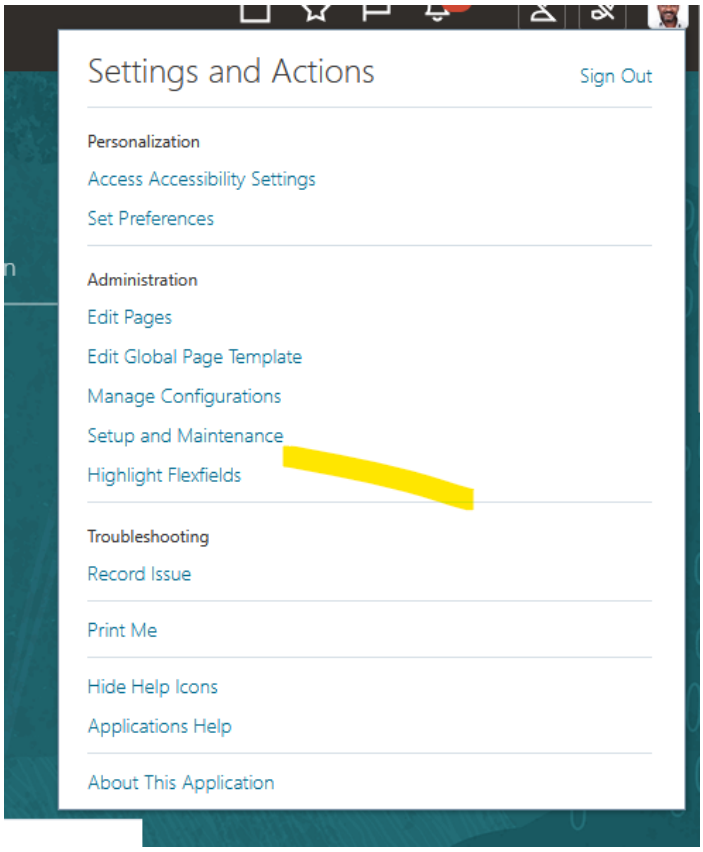


DISCLAIMER: this demo is for investigation, use at your discretion, no guarantee provided.

Preparatory steps 1.

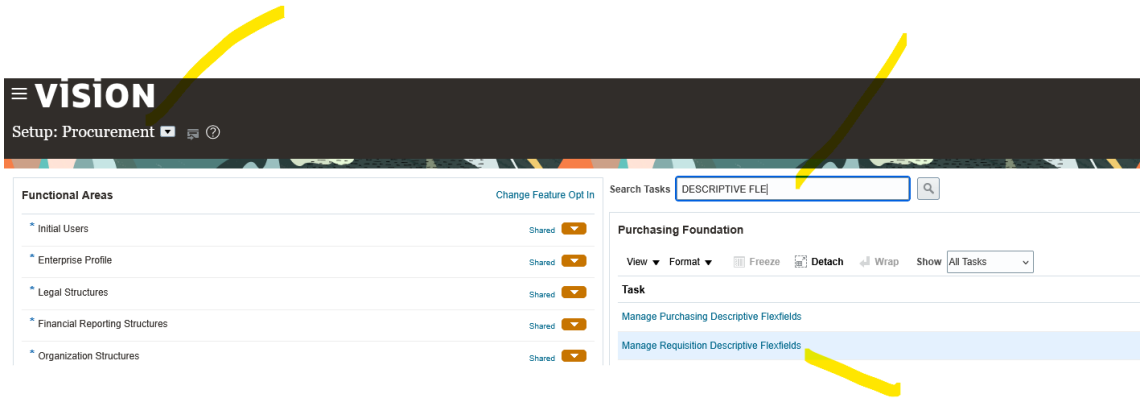
Setup Descriptive flexfields in Oracle ERP.

From main menu, access this option:

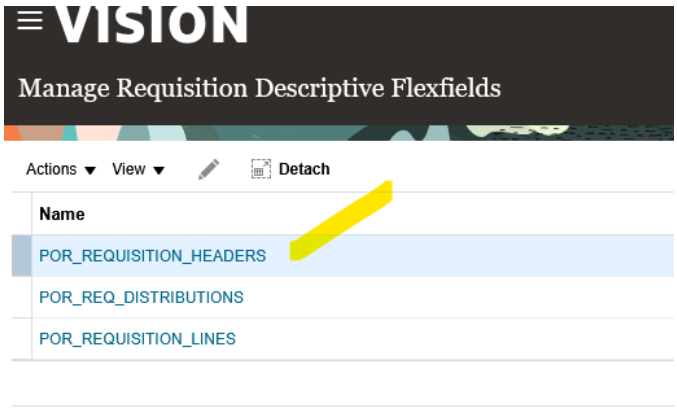


Then select Procurement module and search for “descriptive flex” as shown.

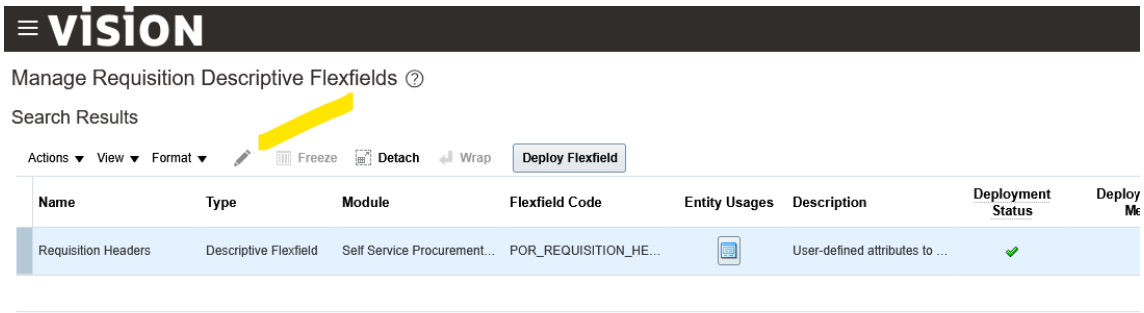
Select option “Manage Requisition Descriptive Flexfields”.



Then select “headers” option.



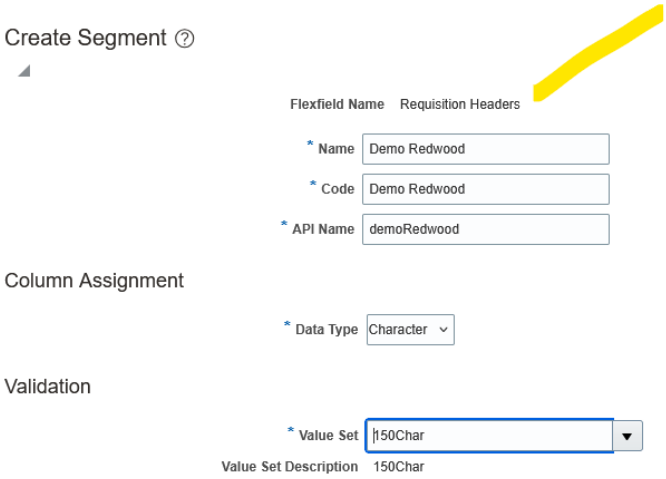
Then “Edit”.



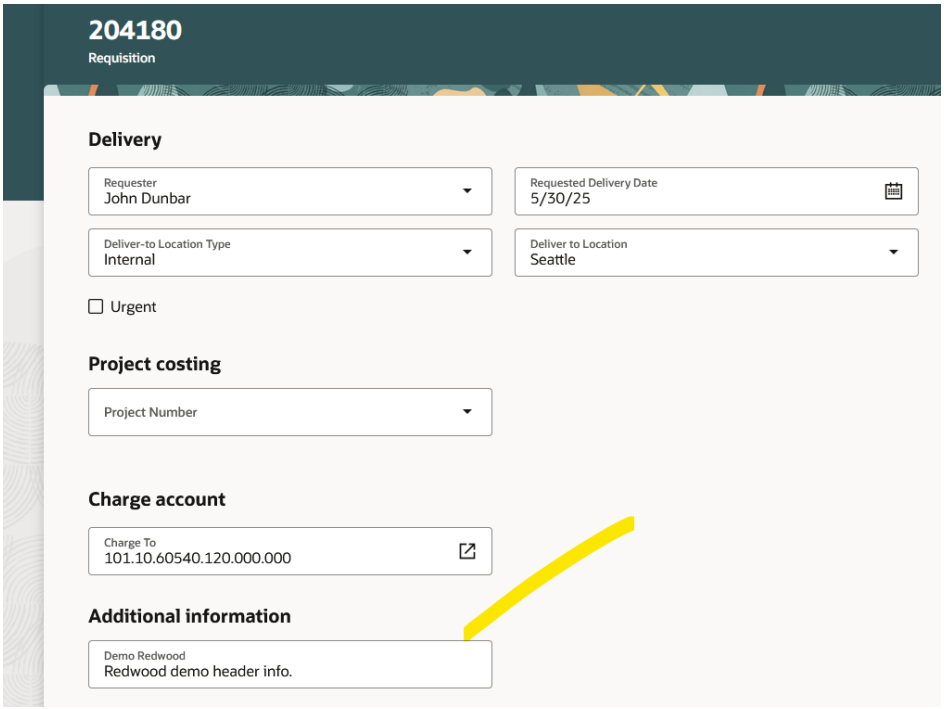
Here add your Descriptive flexfields, according to your needs.

We will add these flexfields for demo purposes.

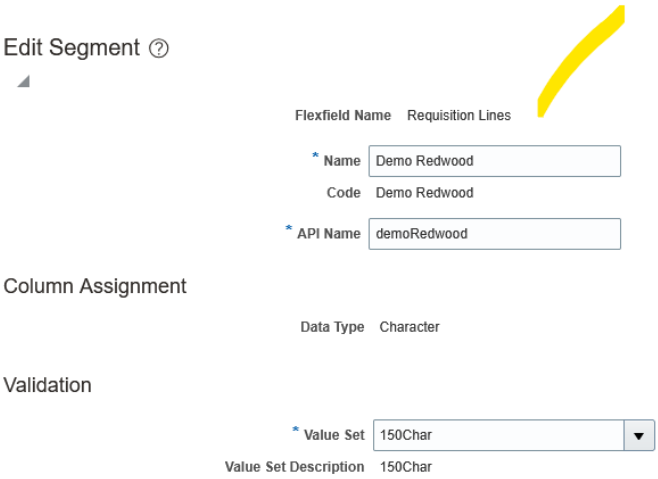
Setup flex Header.



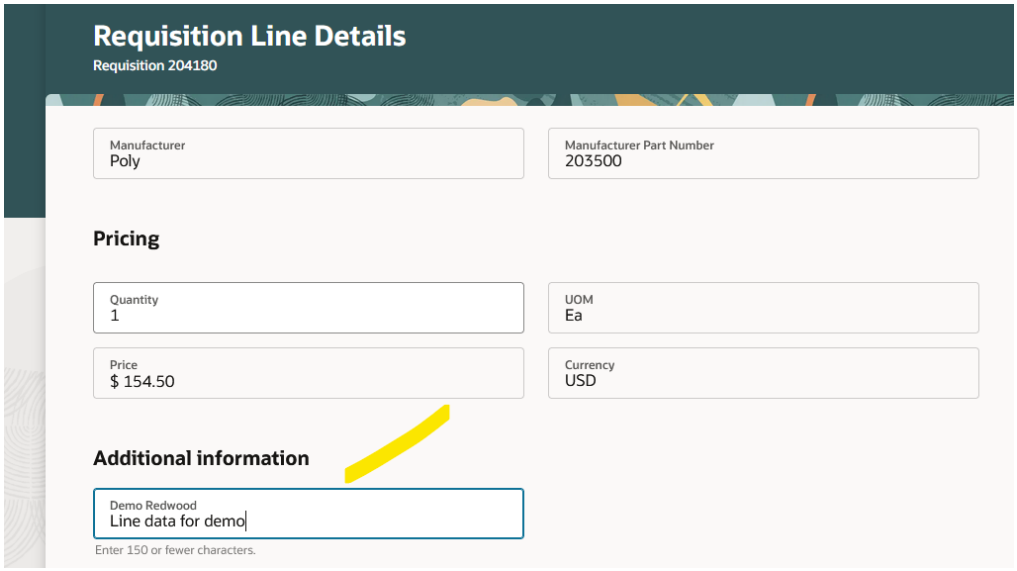
In Redwood page it would be seen as follows.

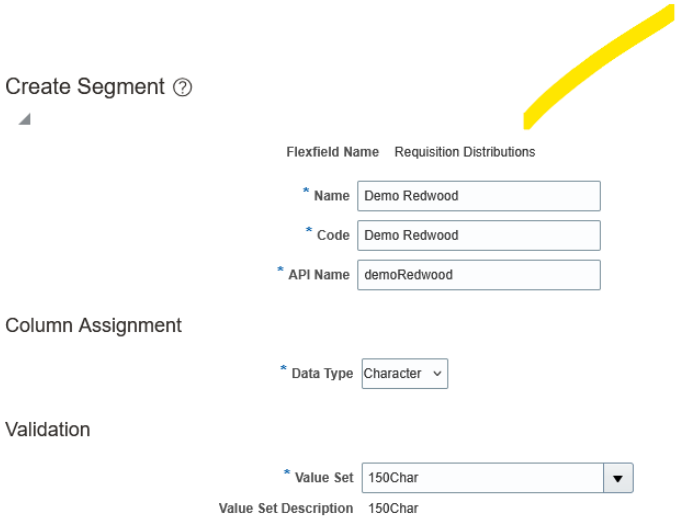


Setup flex Lines.



In Redwood page it would be seen as follows.

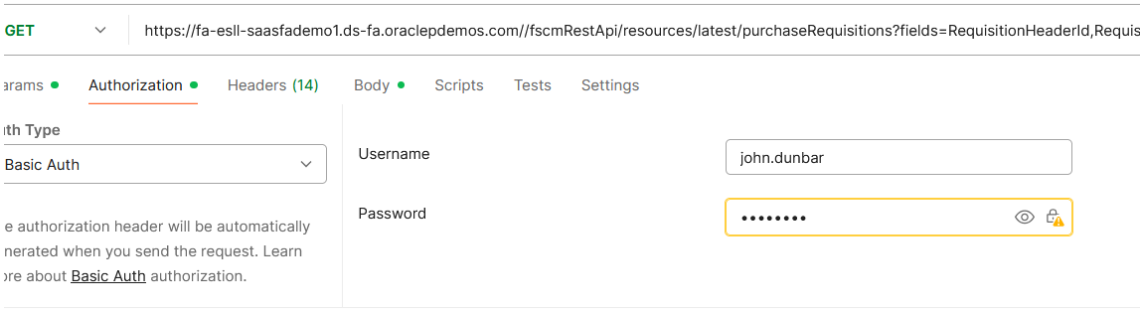




Preparatory steps 2.

Analyze the purchase requisitions REST API.

https://xx-saasfademo1.ds-fa.oraclepdemos.com//fscmRestApi/resources/latest/purchaseRequisitions?fields=RequisitionHeaderId,RequisitioningBUId,RequisitioningBU&onlyData=true&limit=500&orderBy=RequisitioningBU

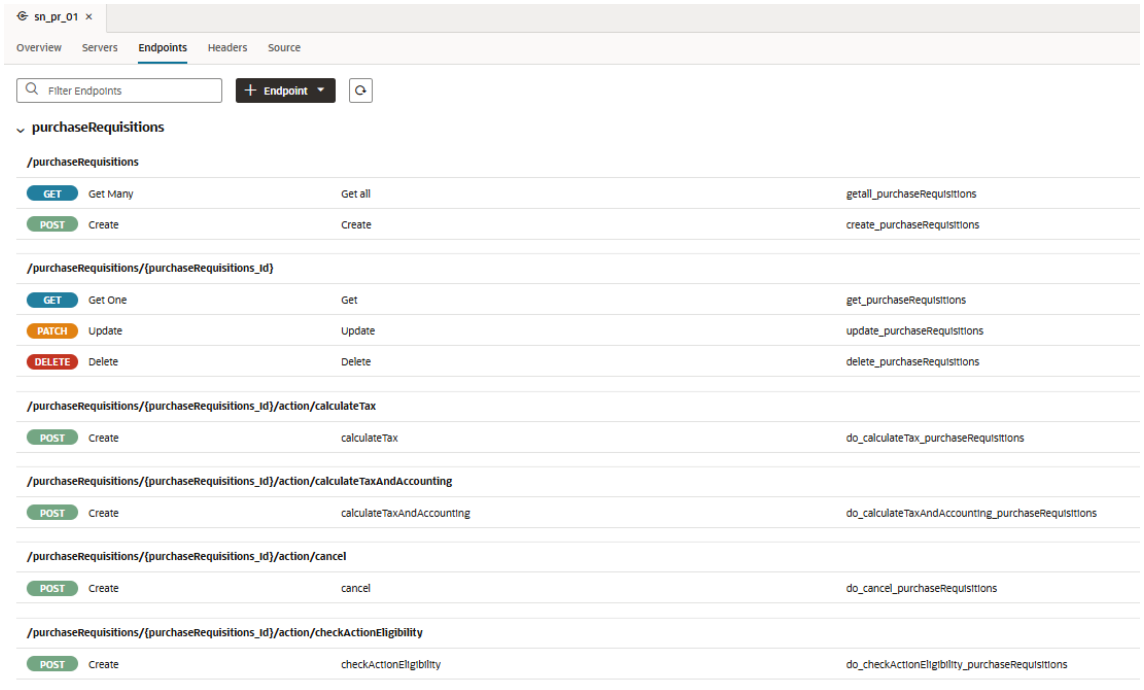


Preparatory steps 3. Connections

Other blogs explains how to create Visual Builder connections, for simplicity we will include only the paths.

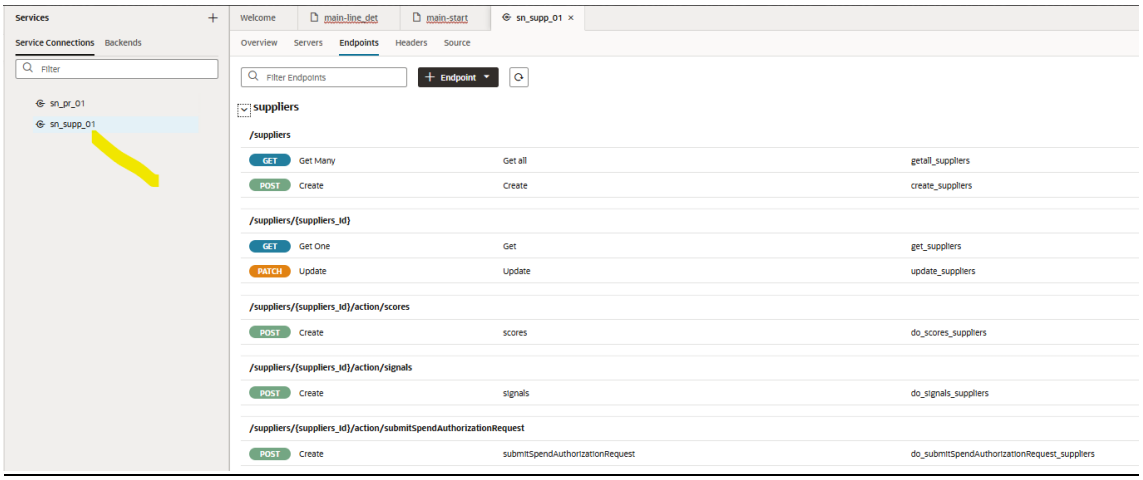
Connection 1.

`https://xxxx.ds-fa.oraclepdemos.com/fscmRestApi/resources/11.13.18.05/purchaseRequisitions`



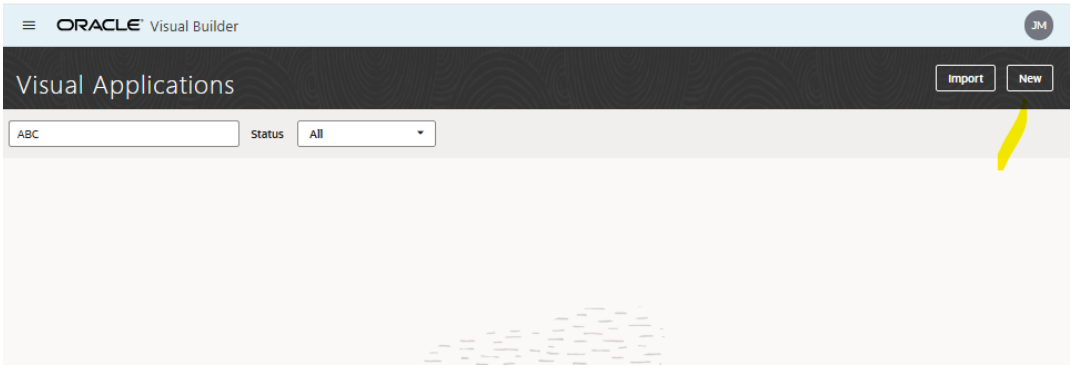
Connection 2.

`https://xxx.ds-fa.oraclepdemos.com/fscmRestApi/resources/11.13.18.05/suppliers`

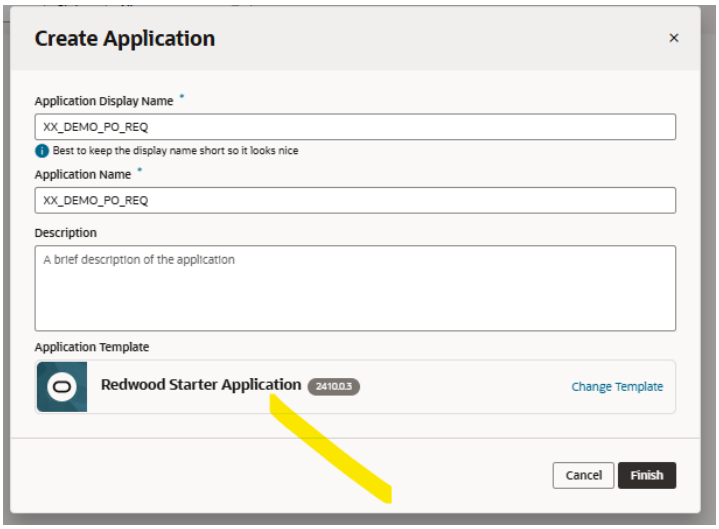

Services
Service Connections
Backends
Filter
sn_pr_01
sn_supp_01
Welcome
main-line_det
main-start
sn_supp_01
Overview
Servers
Endpoints
Headers
Source
Filter Endpoints
Endpoint
suppliers
/suppliers
GET Get Many Get all getall_suppliers
POST Create Create create_suppliers
/suppliers/{suppliers_id}
GET Get One Get get_suppliers
PATCH Update Update update_suppliers
/suppliers/{suppliers_id}/action/scores
POST Create scores do_scores_suppliers
/suppliers/{suppliers_id}/action/signals
POST Create signals do_signals_suppliers
/suppliers/{suppliers_id}/action/submitSpendAuthorizationRequest
POST Create submitSpendAuthorizationRequest do_submitSpendAuthorizationRequest_suppliers

Steps Developing with Visual Builder.

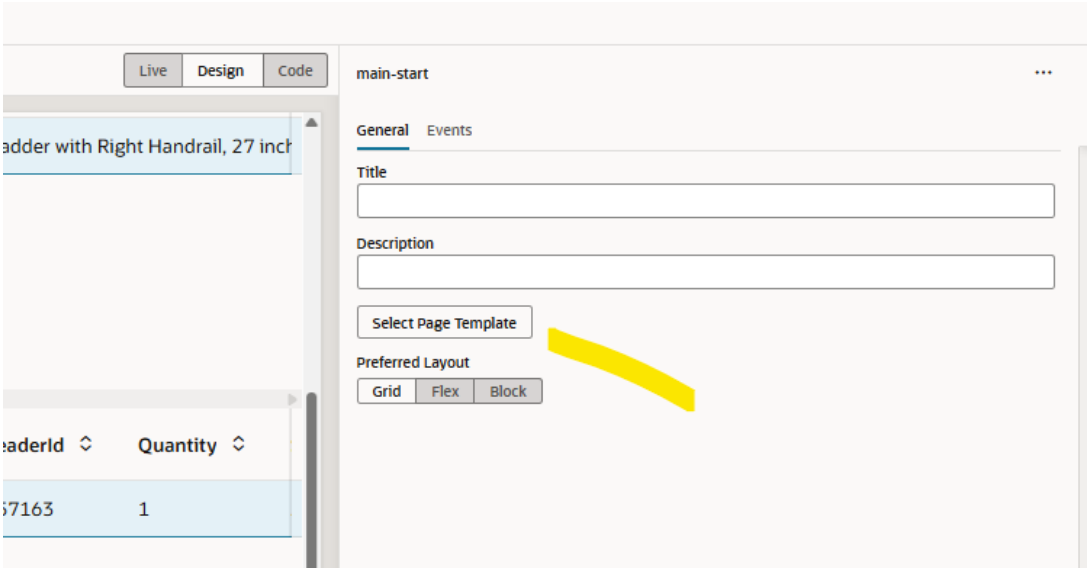
Create Visual Builder application.

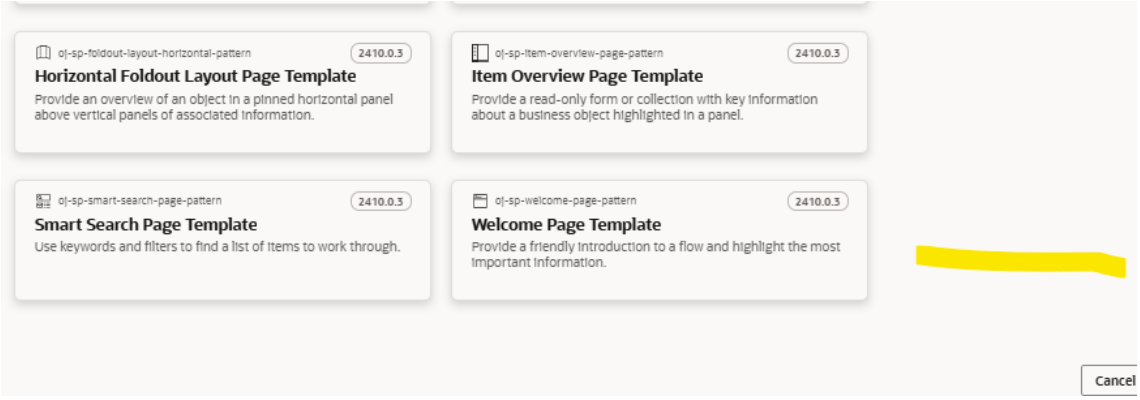


Assign your name and select Redwood as template.



After creating application, select “Welcome page template”.



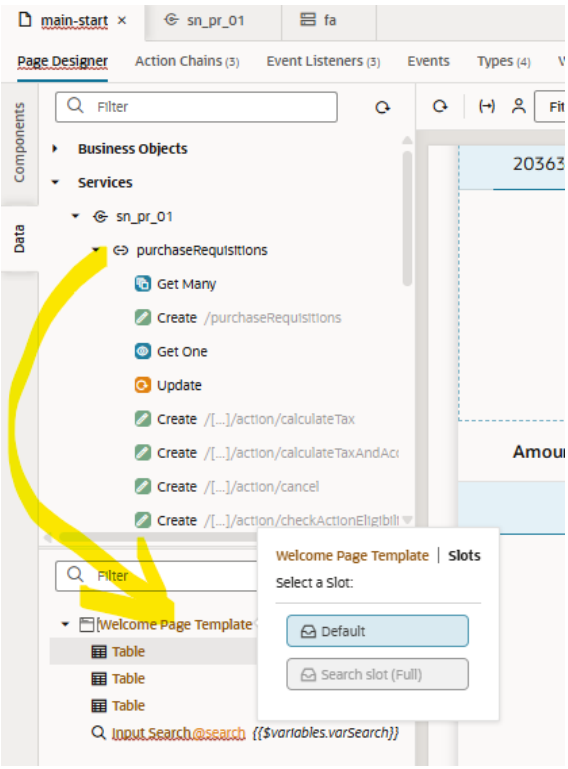


Then create these variables, they will help us to store id's when navigating and more.

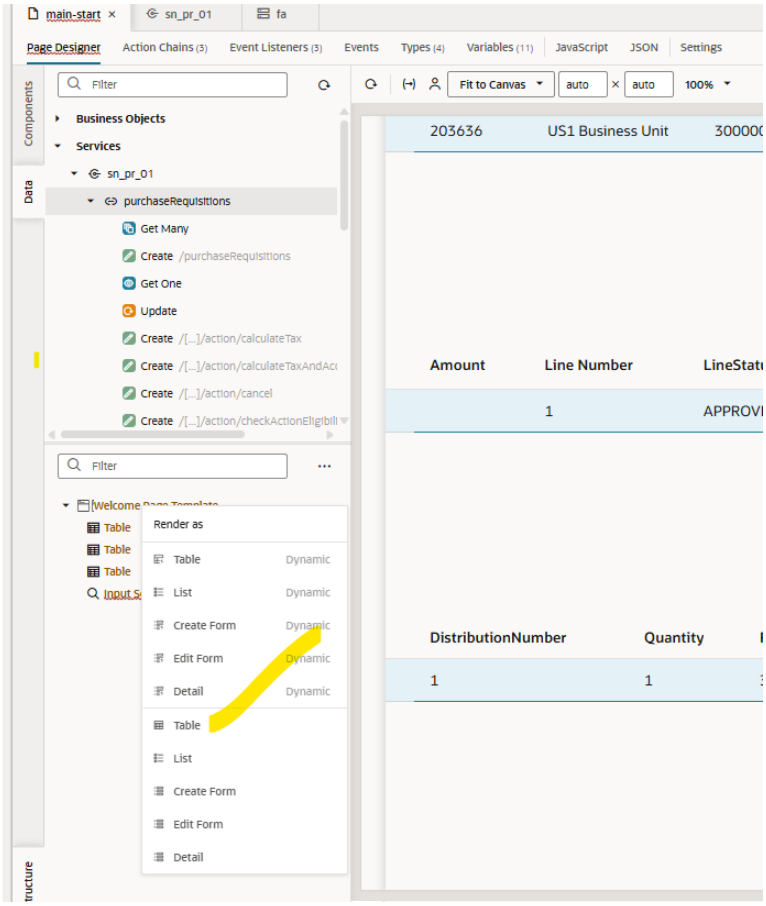
- varLine
- varOpenedDrawer
- varPO_REQ_ID
- varPO_REQ_LINE_ID
- varReq
- varSearch
- varVendorId *(1 listener)*

Now we will create the 3 Table-components as shown, one for each level (requisition-line-distribution).

Drag and drop as shown.

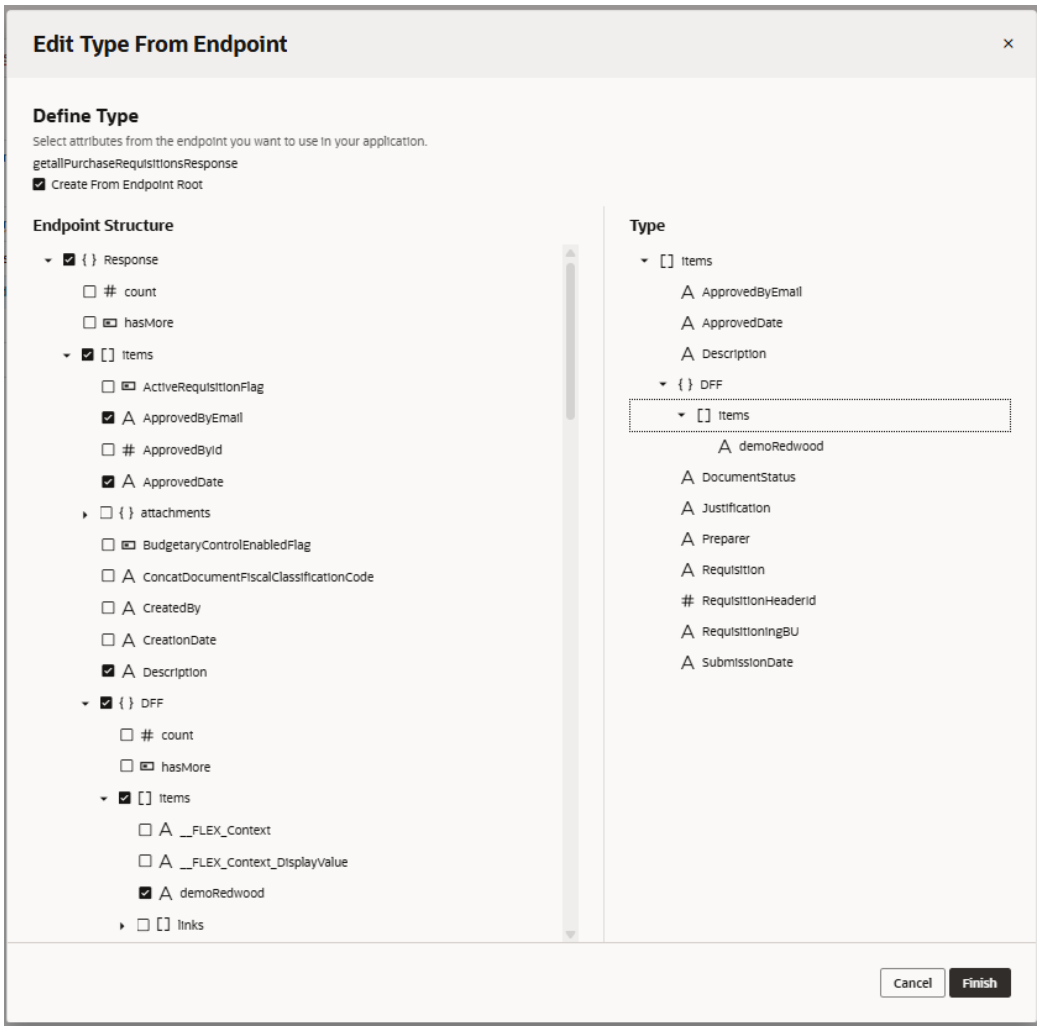


Now select this option.

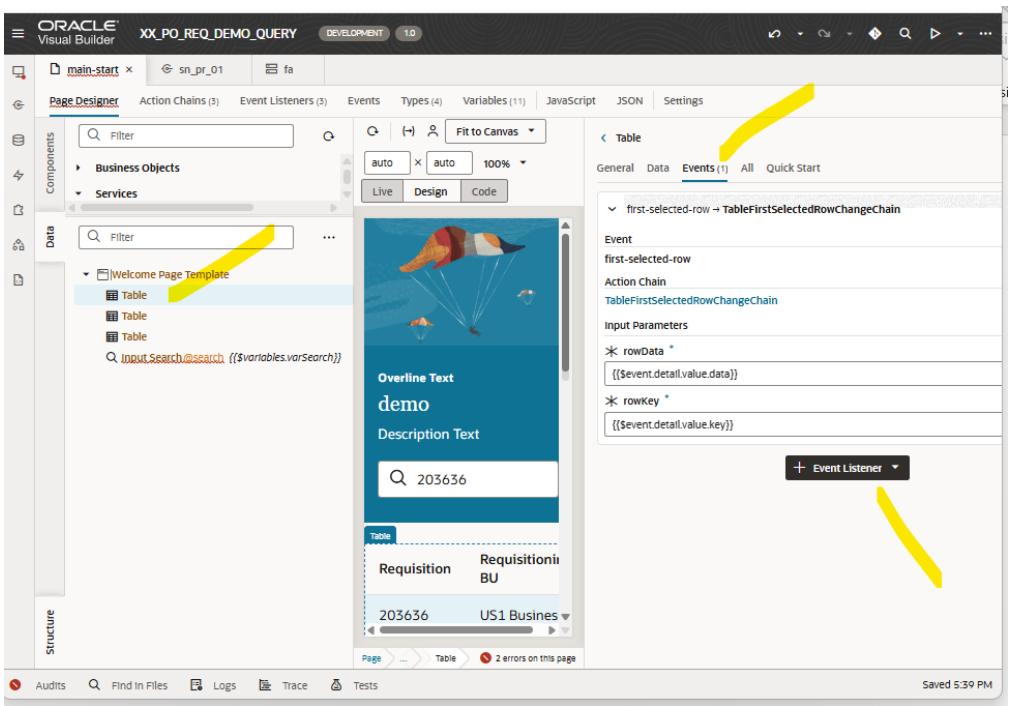


Following previous explanation, create table 1 for purchase requisition headers.

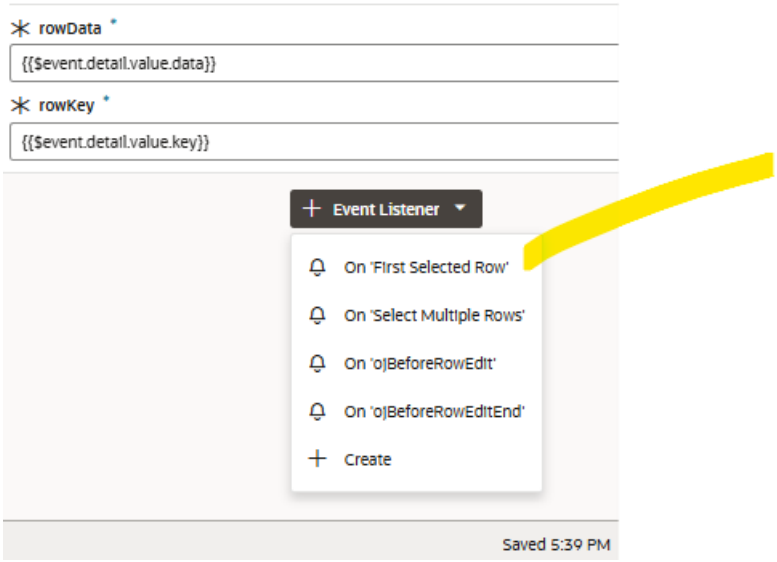
Fields selected.



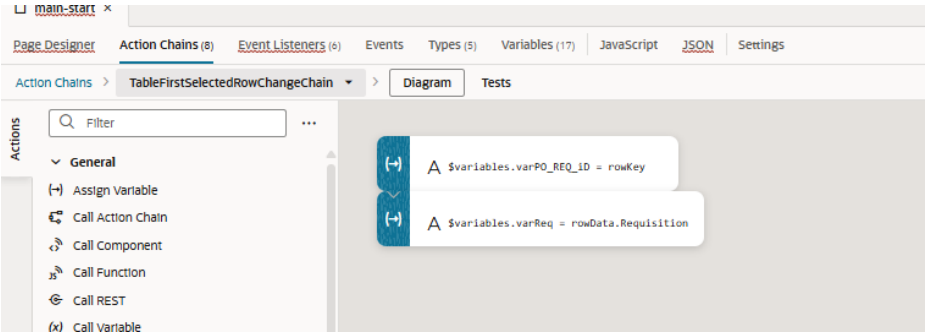
After creating table, create Action chain.



Select this.

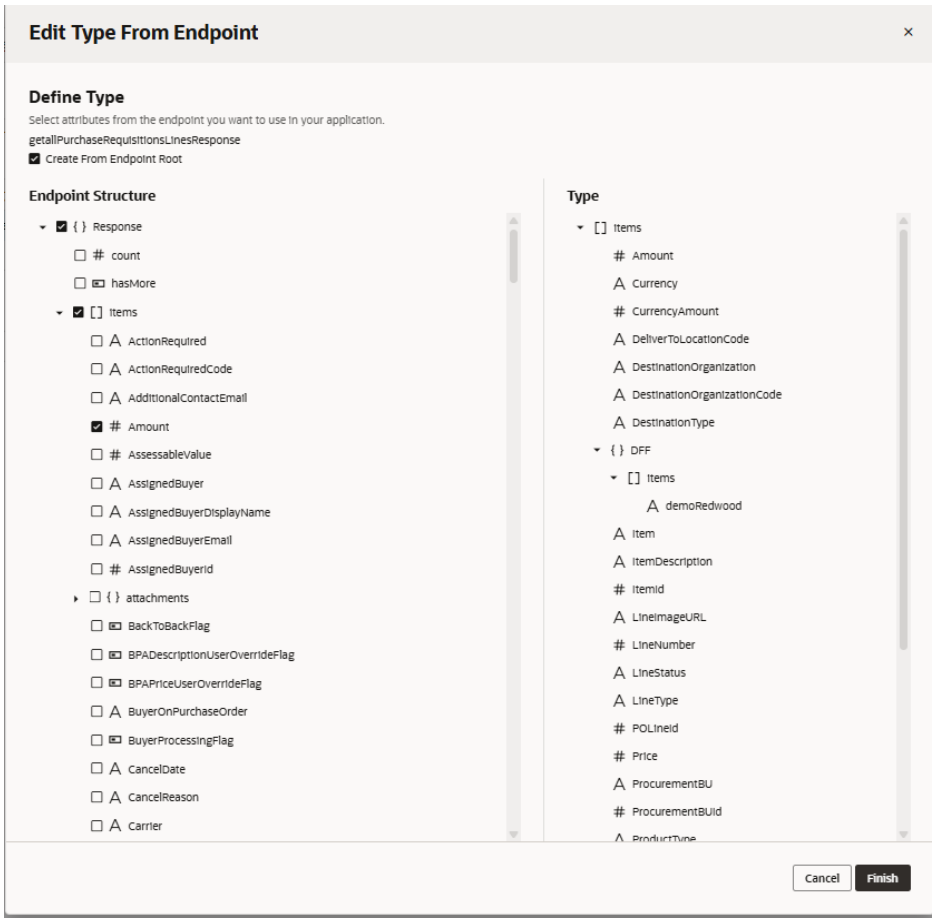


To fill variables when navigating.

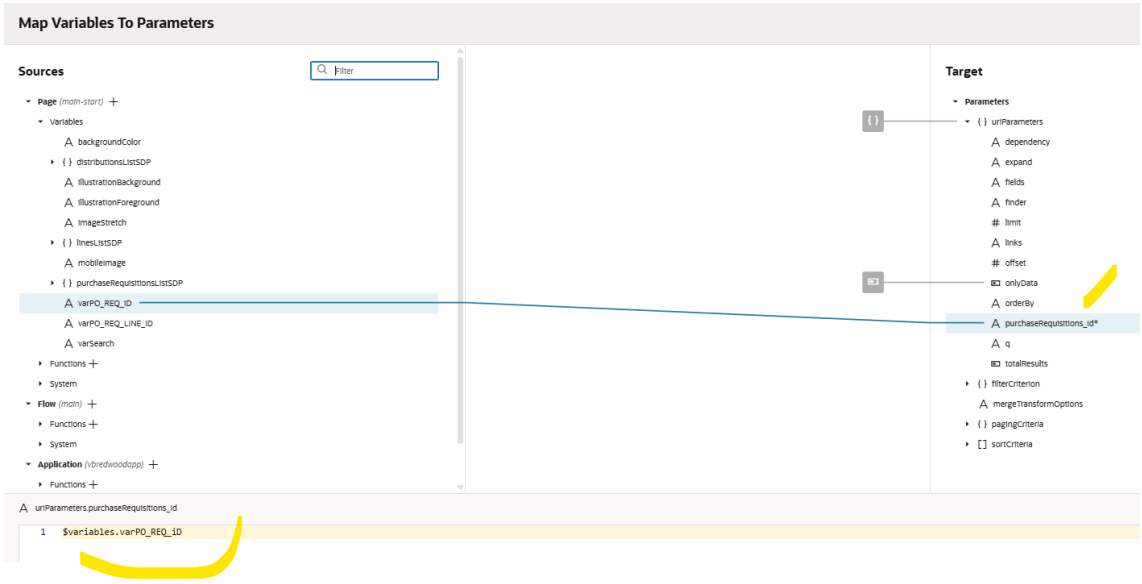


Following previous explanation, create table 2 for purchase requisition lines.

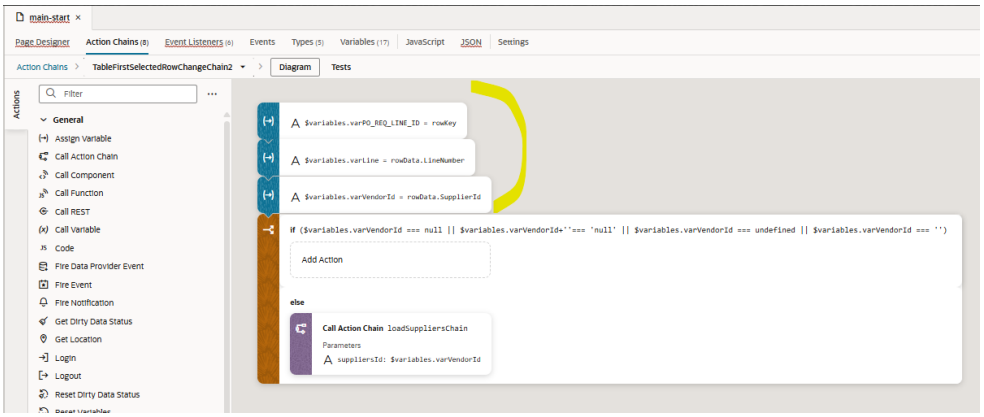
Fields selected.



We will be using “id” from previous variable to filter.



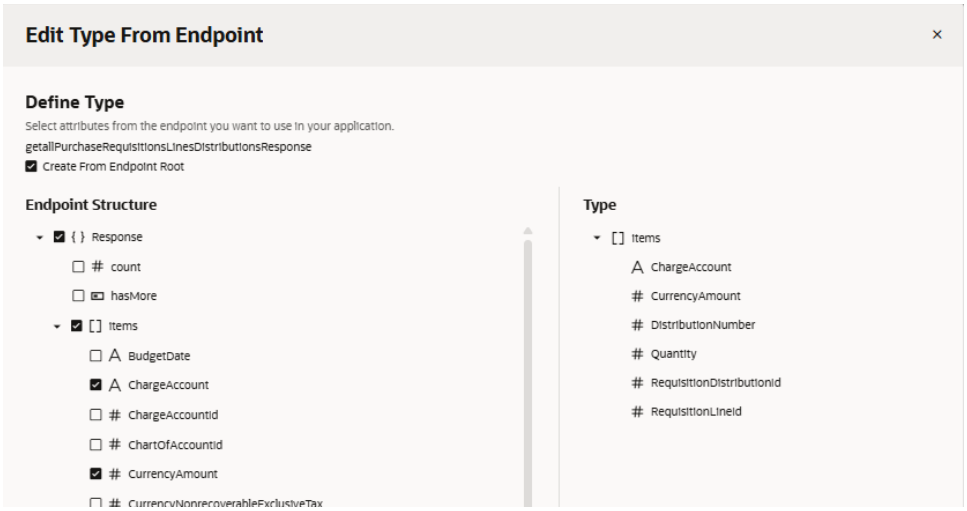
Create Action chain to fill variables when navigating.



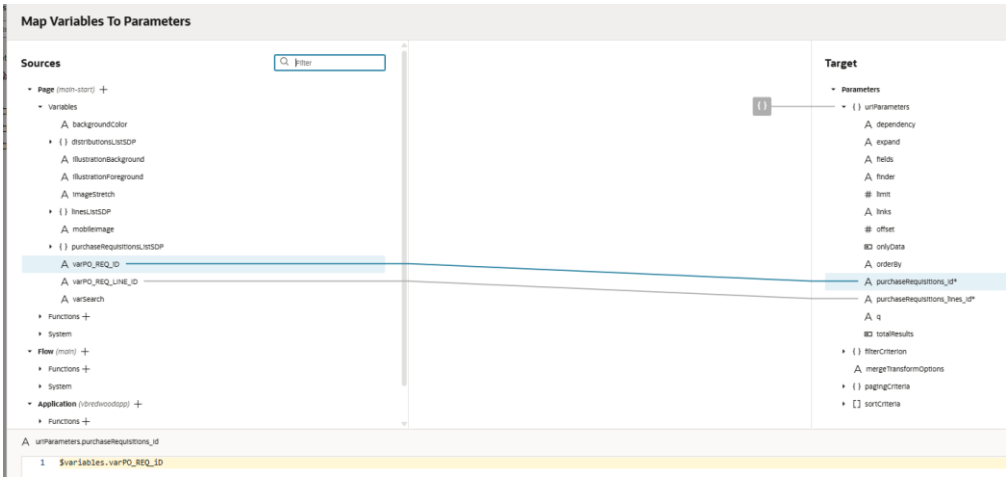
We will go back to “if” part of the screenshot below later in “Improvements” section.

Following previous explanation, create table 3 using id from previous variable for purchase distributions.

Fields selected.



We will use the following variables to filter.



The techniques to filter master-detail are not unique, I use the shown approach.

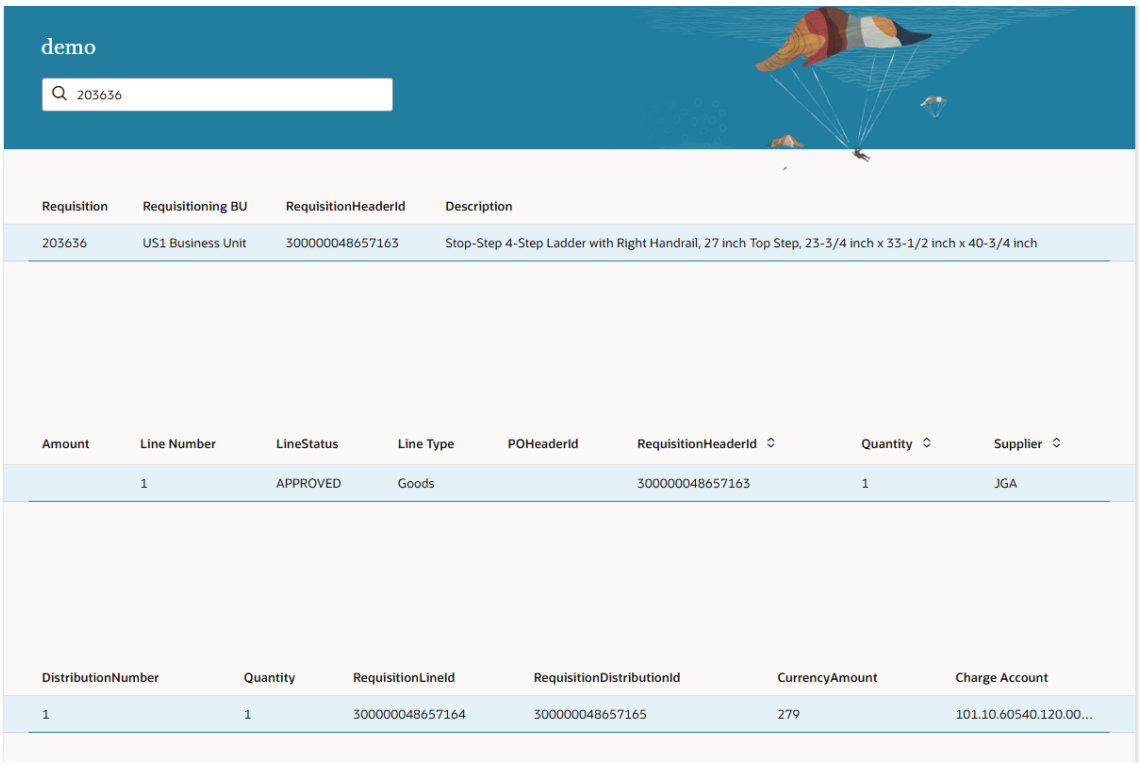
As shown above when navigating, I get the ids. In the action chains.

Conclusion

We have now a basic custom page for purchase requisitions with the requirements of our users.

KEEP READING!!!

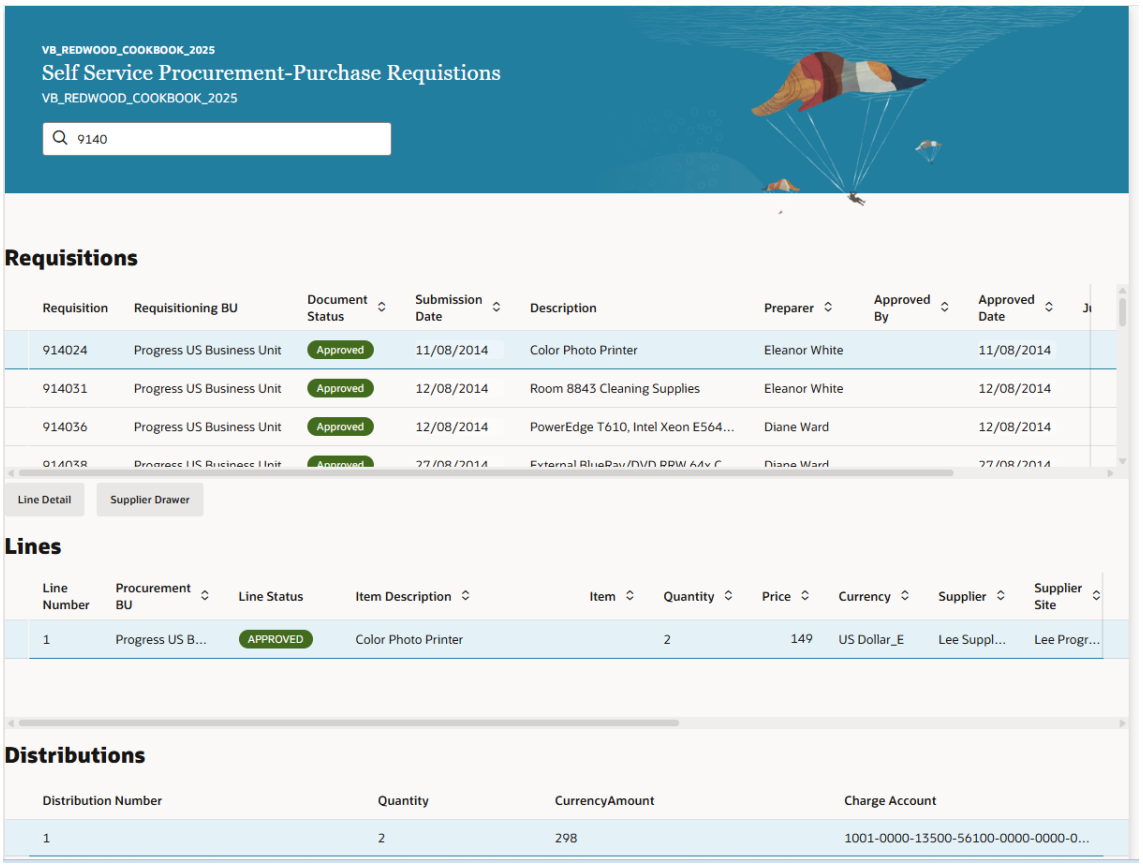
The page is read-only, but with proper changes could do actions allowed by REST API.



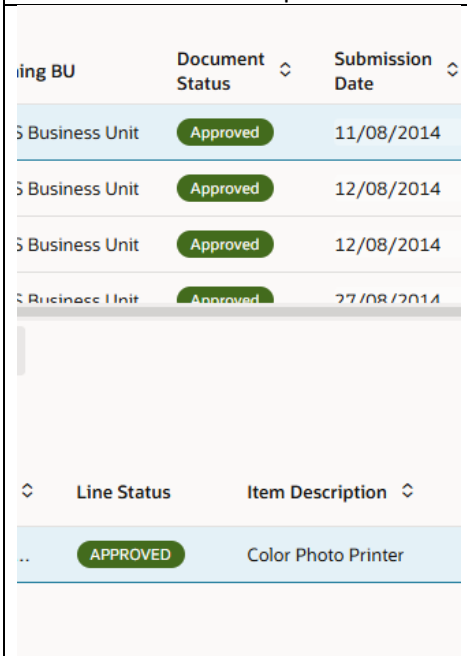
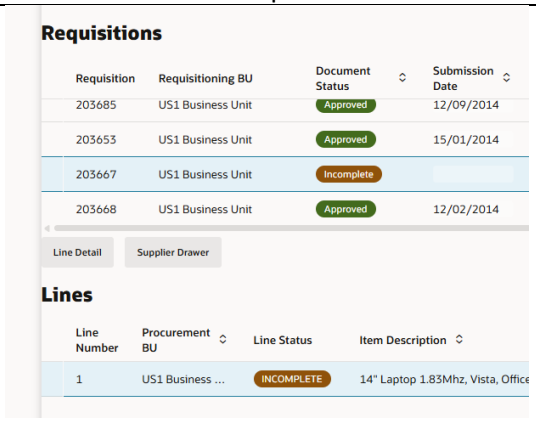
Technical

Code example	Comments
XX_PO_REQ_DEMO_QUERY-1.0.zip TO XX_PO_REQ_DEMO_QUERY-1.0.4.zip	Visual Builder application demos used in exercise.

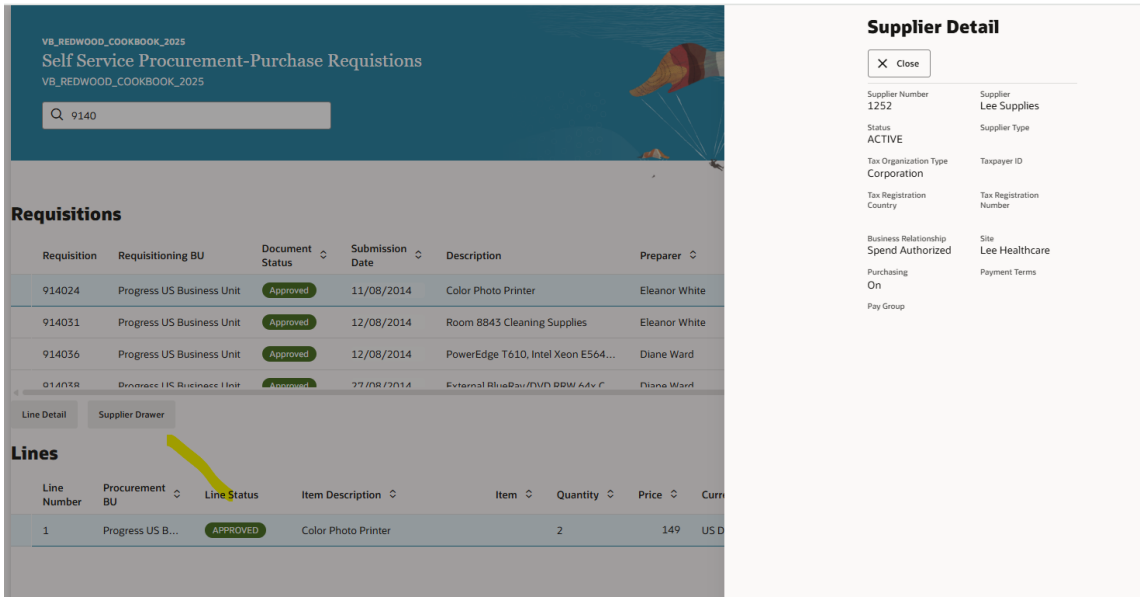
Improvements to make our users happier.



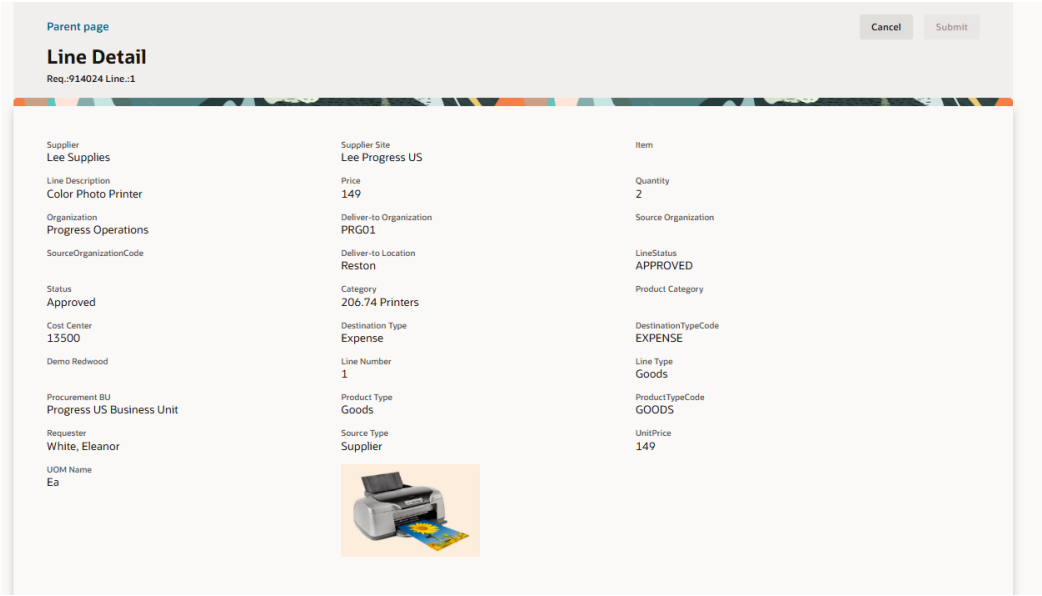
- *Show badge for header requisition and line requisition statuses.*

Sample 1	Sample 2
	

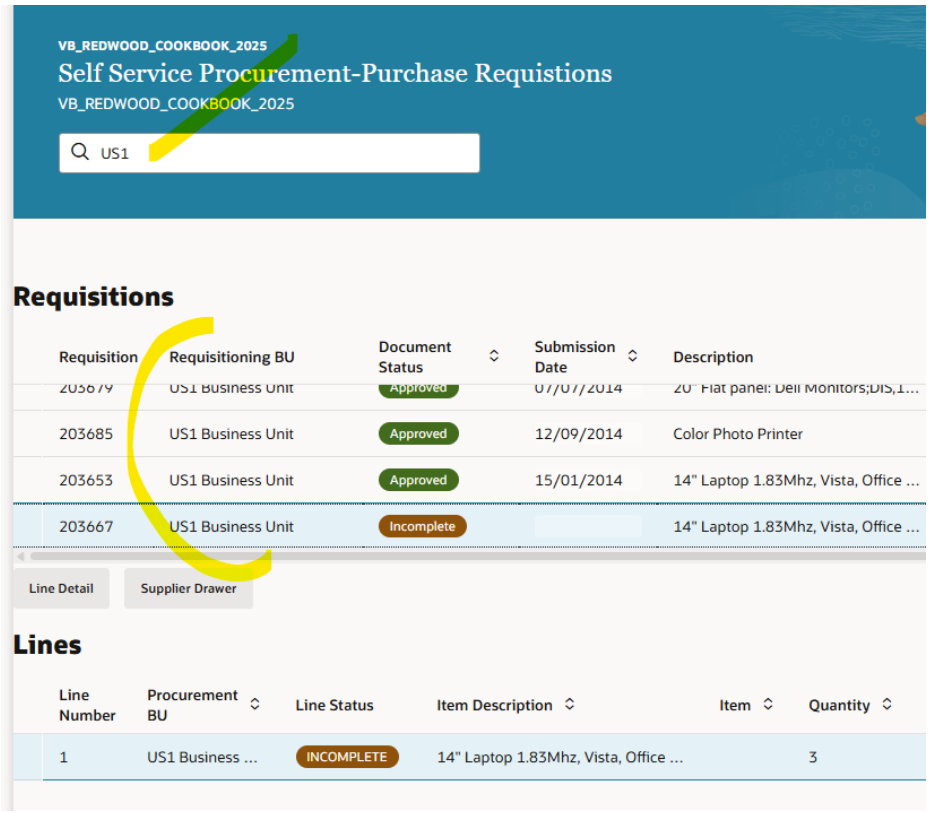
- *Drawer for supplier data.*



- *Detail page for line data+show image of the product.*



- *Filter using the following: RequisitioningBU business unit and Requisition.*



Note: pending uppercase control for searching.

IMPORTANT (Jun 1th).

Detailed explanations for these improvements IS WIP (we will update in the coming weeks), but code is provided.

Technical

Code example	Comments
XX_PO_REQ_DEMO_QUERY-1.0.5.zip	Visual Builder application demo used in exercise. Latest.