

SCM Transfer Orders page limited version.

VB REDWOOD COOKBOOK 2026 TRANSFER ORDERS

Introduction.

The document show how to create a limited version of the page for Transfer Orders (SCM module).

Note: consider this exercise a kind of POC.

This demo will show how Visual Builder-Redwood help us to build these types of solutions quickly and cost effective.

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

The summary of requirements would be:

- 1. To allow the user to query the transfer orders (headers and lines) and see the core data for each section.
- 2. Limit the updates in lines to source inventory organization and comments fields.

Transfer Orders page. Version classic-ADF.

Inventory Transactions

+

Create Interorganization Transfer

+

Create Miscellaneous Transaction

+

Create Project Transfer

+

Create Subinventory Transfer

📄

Manage Mass Replacement of Items

📄

Manage Movement Requests

📄

Manage Pending Transactions

📄

Manage **Transfer Orders**

📄

Review Completed Transactions

📄

Review Replenishment Requests in Spreadsheet

Edit Transfer Order: 117009 ⓘ

View Shipments and Receipts

Transaction Origin Type Requisition

Back-to-back

Description

Status Open

Interface Status Interfaced to Shipping

Requisitioning BU US1 Business Unit

Creation Date 9/29/17 4:02 PM

Transfer Price 20.00 USD

Total Tax 0.00 USD

Total Transfer Price 20.00 USD

Additional Information

Lines

Actions View

Cancel Line

Source Organization All Destination Organization All

Line	Item	Line Status	Fulfillment Status	* Source Organization	Destination Location	* Requested Delivery Date	UOM Name	Quantity				Requisition	Comment
								* Requested	Shipped	Received	Delivered		
1	PV21001	Open	Awaiting fulfillment	002	Seattle	10/5/17 7:00 ⓘ	Ea	2				203786	ZZZZZZZ

Transfer orders page. Version Redwood.

Privilege needed: INV_MANAGE_INVENTORY_TRANSFER_ORDER_PRIV.

Profile option needed: ORA_INV_TRANSFER_ORDERS_REDWOOD_ENABLED.

vision

< Transfer Orders

117009

Transfer OrderSource OrganizationDestination OrganizationLine StatusRequested Delivery DateFilters

Line Status	Transfer Order	Line	Item	Substitute Items	Source Organization	Destination Location	Requested Quantity	UOM Name	Interface Status
Open	117009	1	V21001		002	Seattle	2	Ea	Interfaced to Shipping

< Transfer Order 117009

Transfer Order
117009

Transfer Price
20 USD

Additional Information

Transaction Origin Type
Requisition

Total Tax
0 USD

Status
Open

Total Transfer Price
20 USD

Creation Date
9/29/17 4:02 PM

Requisitioning BU
US1 Business Unit

Lines

Cancel Lines

LinesLines with Kit Components

Line	Item	Substitute Items	Line Status	Requested Delivery...	Fulfillment Status	Source Organization	Destination Organization	Shipment Lines	Billing Details	Actions
<input type="checkbox"/>	1	V21001	Open	10/5/17	Awaiting fulfillment	002	001	View	Update	

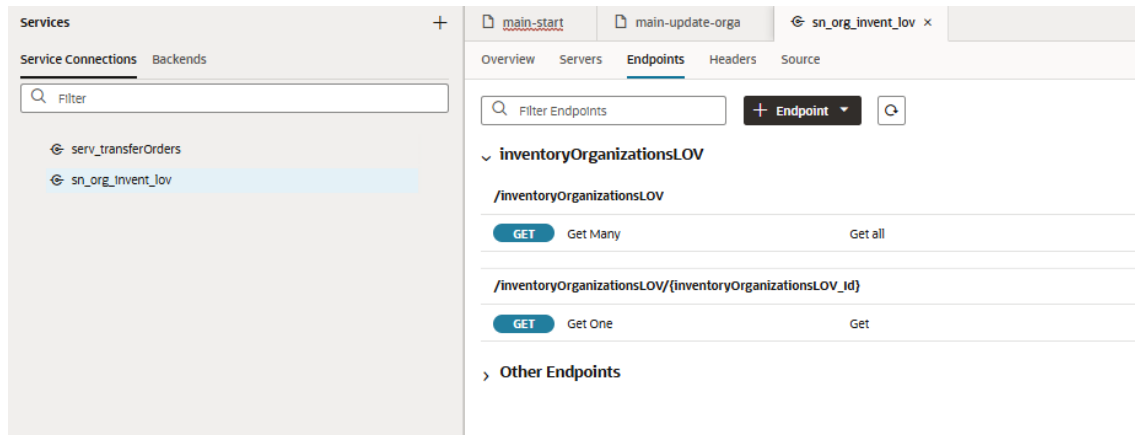
Preparatory steps.

Connections.

1. serv_transferOrders

<https://fa-xxxx-saasfademo1.ds->

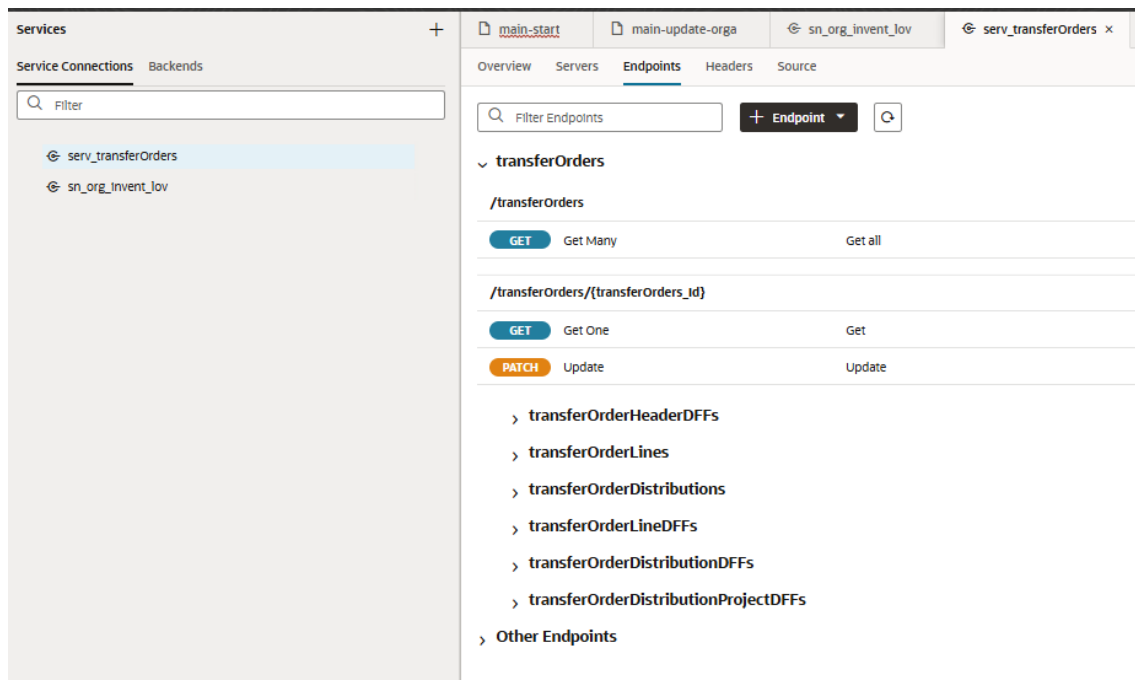
[fa.oraclepdemos.com/fscmRestApi/resources/11.13.18.05/transferOrders](https://fa-xxxx-saasfademo1.ds-fa.oraclepdemos.com/fscmRestApi/resources/11.13.18.05/transferOrders)



2. sn_org_invent_lov

<https://fa-xxxx-saasfademo1.ds->

[fa.oraclepdemos.com/fscmRestApi/resources/11.13.18.05/inventoryOrganizationsLOV](https://fa-xxxx-saasfademo1.ds-fa.oraclepdemos.com/fscmRestApi/resources/11.13.18.05/inventoryOrganizationsLOV)



This document provides details of how the application was built.

We provide the resulting code which you can download from GitHub.

En each new Visual Builder version wizards are improved and work for us, generating lot of useful and optimized code.

Steps followed.

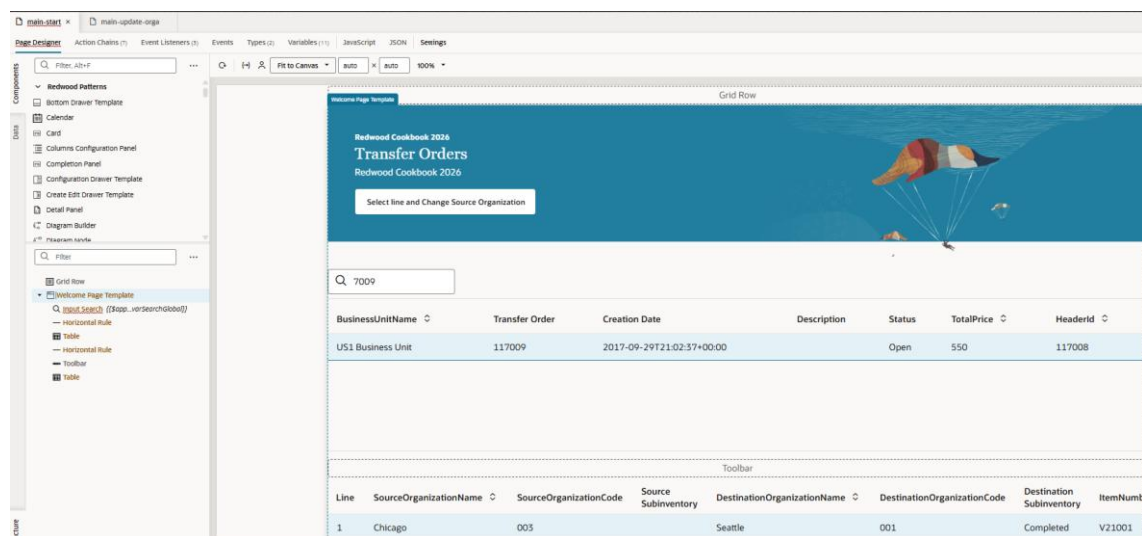
1) Main starting page (main-start).

We will use Welcome Page Template.

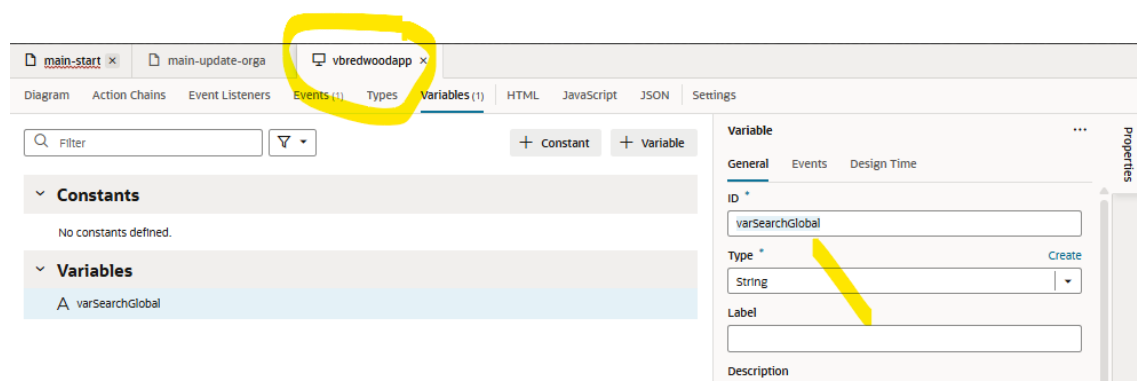
Master detail with no difficult specifics.

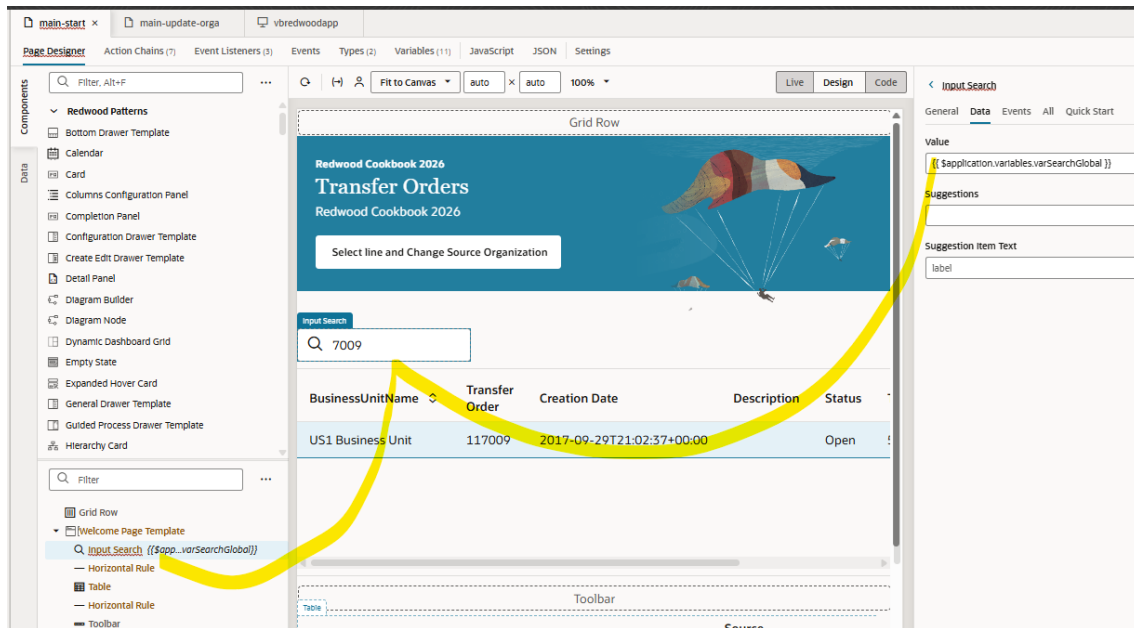
This blog will explain how to develop a master-detail page.

<https://blogs.oracle.com/shay/post/implementing-masterdetail-in-oracle-visual-builder-cloud-service>

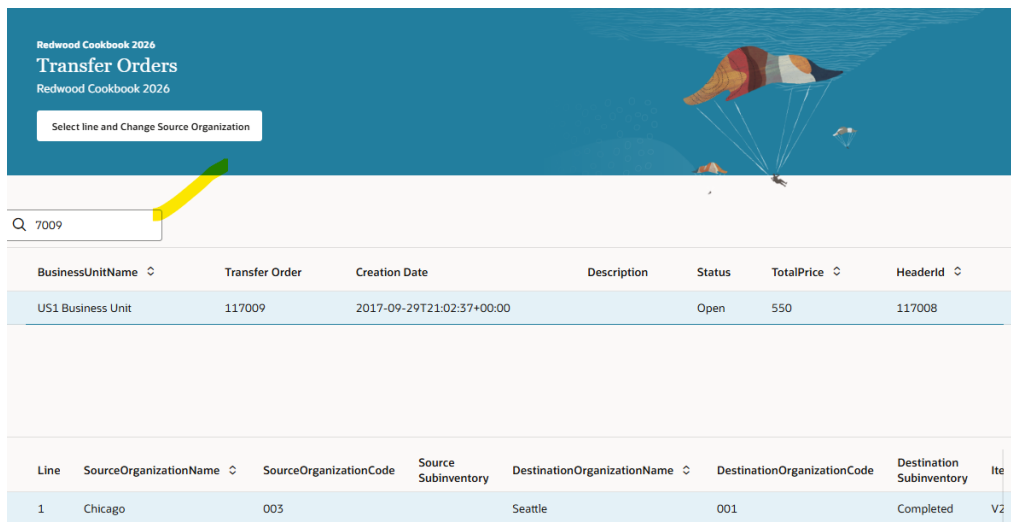


To search we will use a variable at application level and we will link to a Input Search component.





When testing.

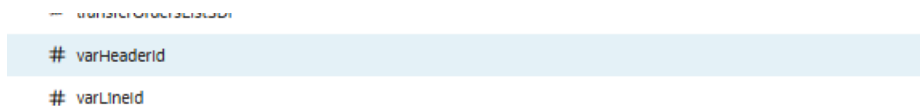


This way, when navigating between the 2 pages we will be able to keep the search variable.

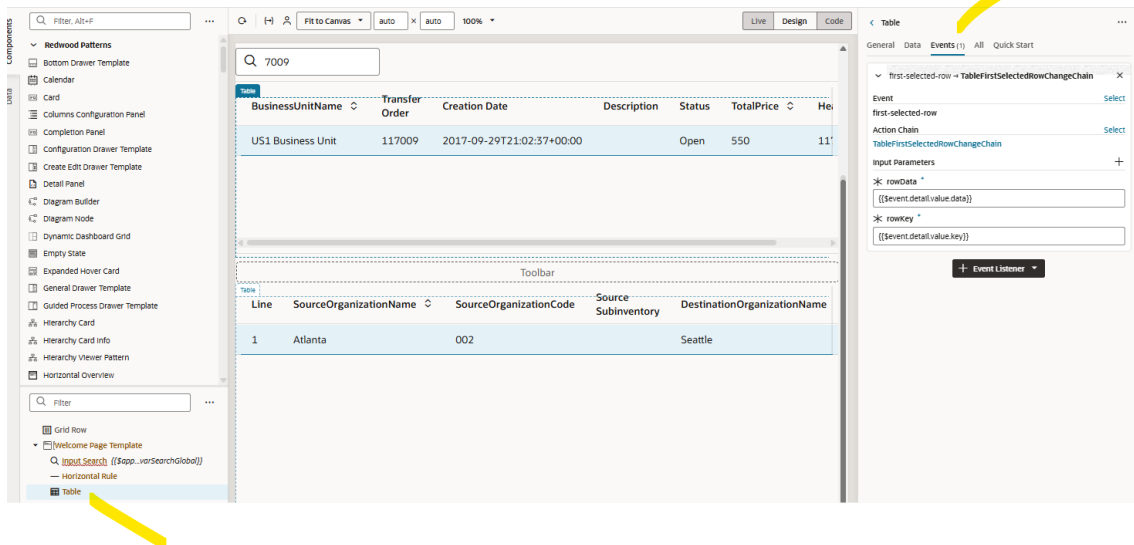
To search for we will use the Business Unit and Transfer Order as shown:

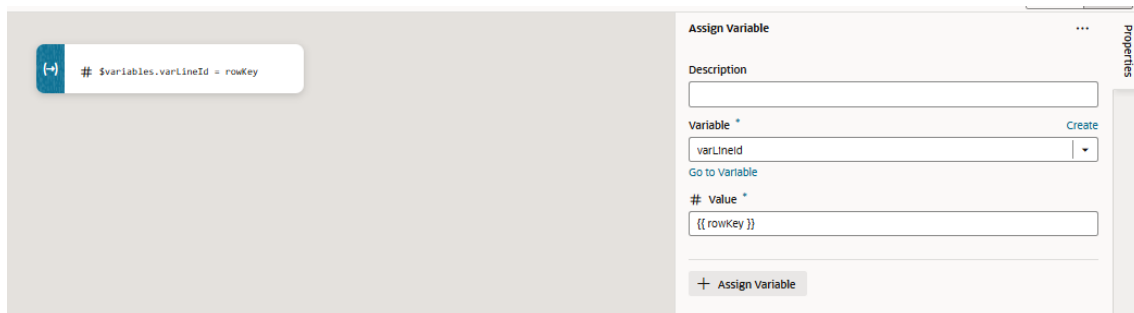
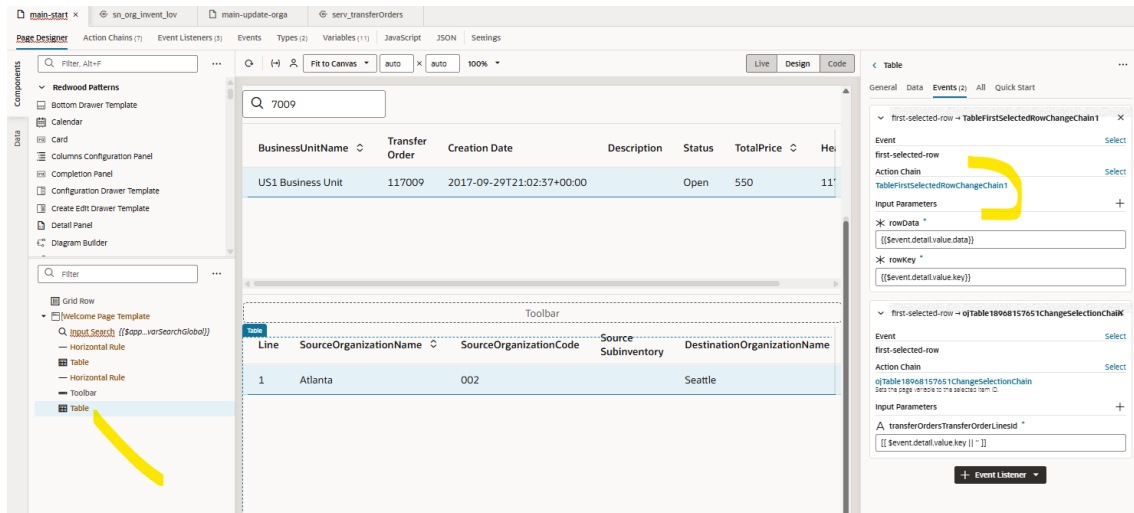


Create “varHeaderId” and “varLineId” at page level, to store this info when navigating.



And assign values in action chains as shown:



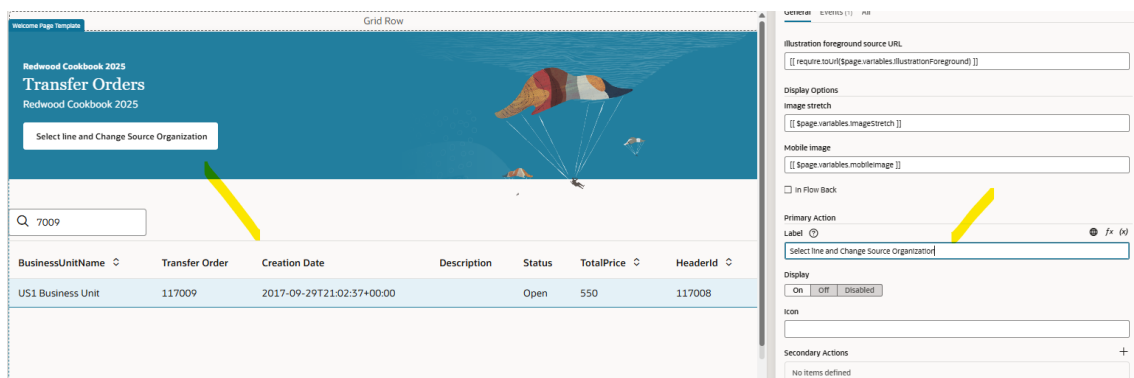


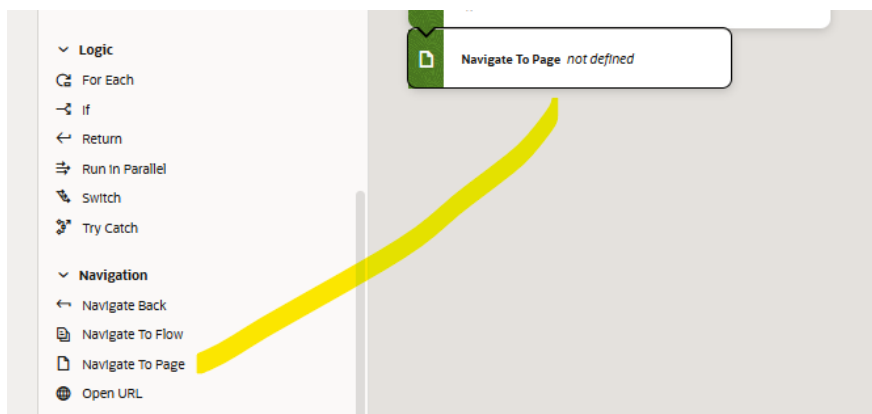
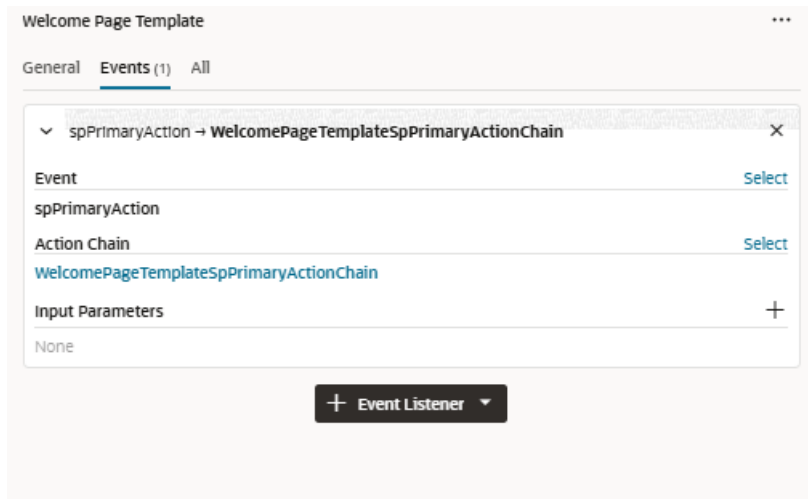
These 2 variables created for our convenience will be used to send as parameters to the update page.

2) Update page (main-update-orga).

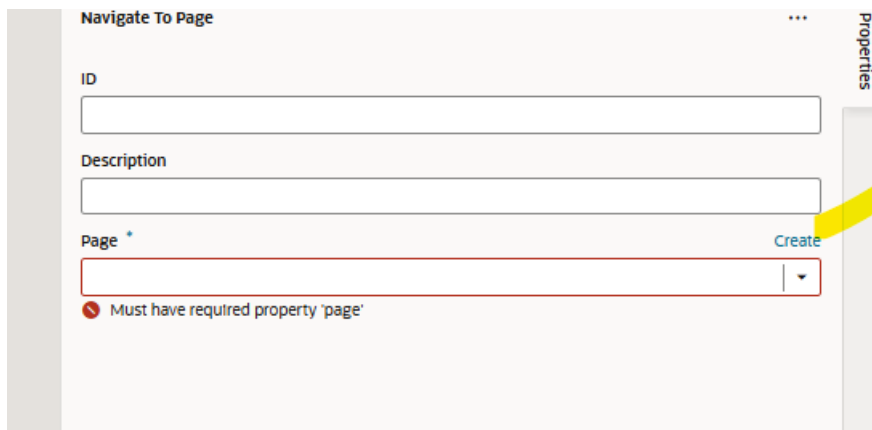
We will use “Simple create and edit page template”.

From action chain linked to button “Primary action” in main-starting page, create “Navigate to page” activity.

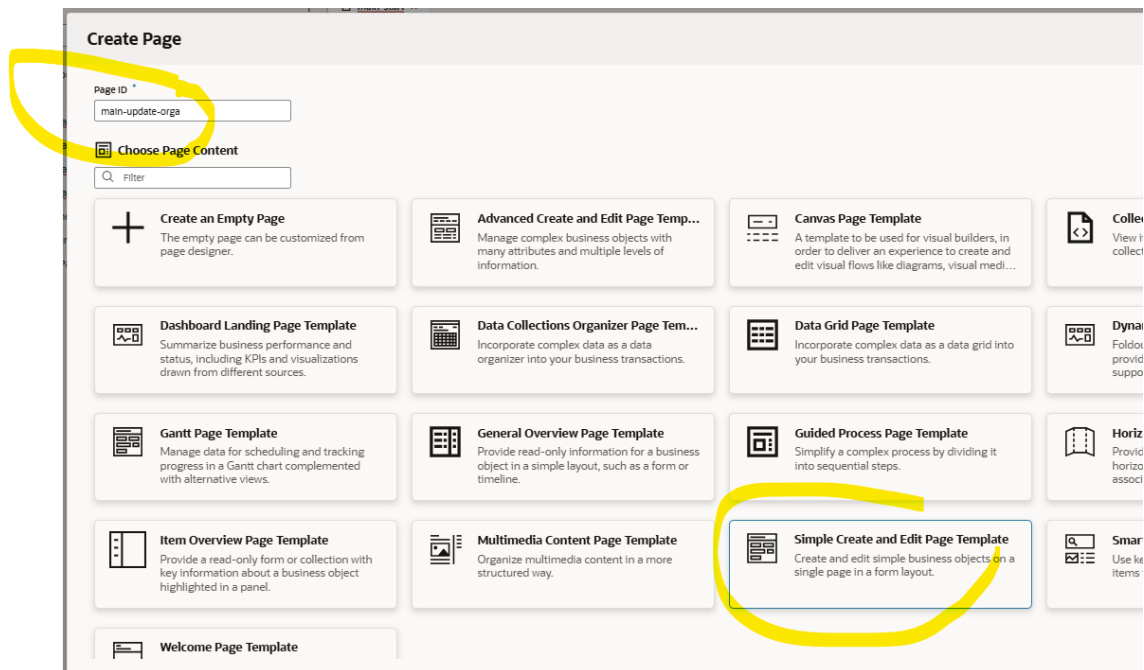




Then use “Simple Create and Edit Page Template”.



Then assign a name and select template as shown.



ID

Description

Page * Create

main-update-orga

[Go to Page](#)

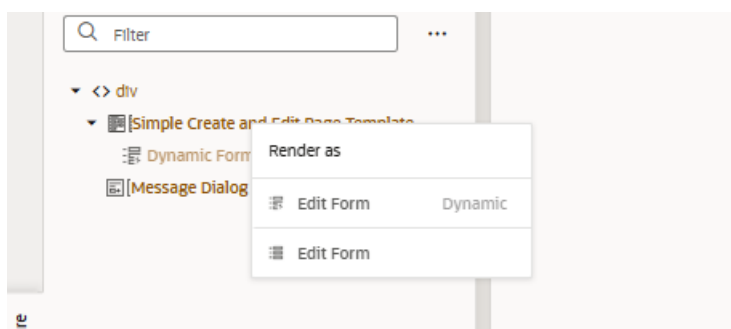
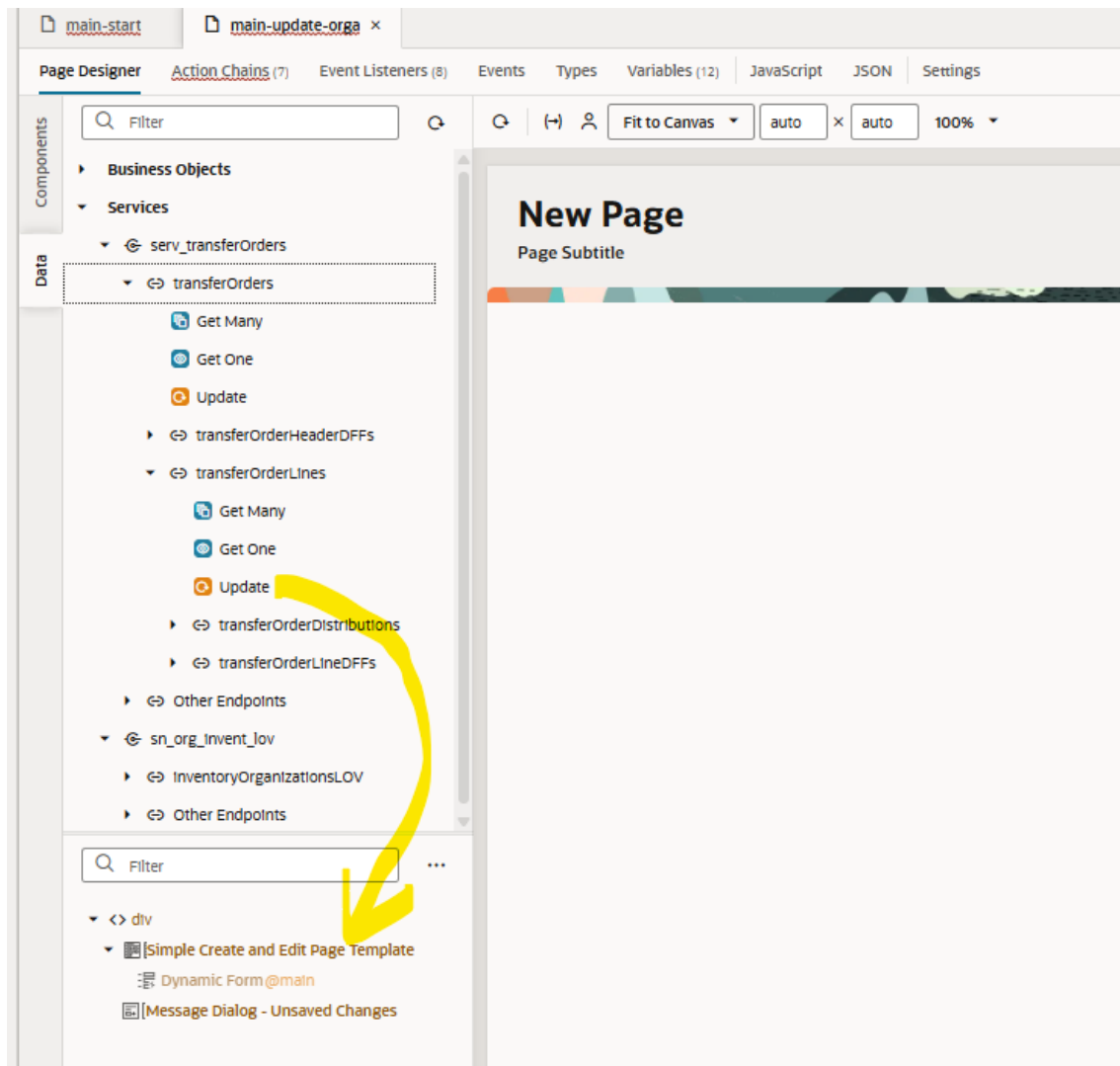
Browser History

push

Store Result In

toMainUpdateOrga

Then “Drag and drop” Update lines as “Edit form” (no dynamic), as shown.



Then select “SourceOrganizationId” and Comments fields.

At this point we have no proper parameters to assign.

ObjectId is used for these purposes, but as we need two parameters, we will use two new variables-parameters.

We could have done this task before, but VB allow us to do it on the fly. See (+) Icon for this.

Then create two variables type parameter, as shown.

Page (main-update-orga) +

Create Variable

☒ Variable ☐ Constant

ID *

pLineId

Type *

Number

☒ Input Parameter

☒ Required

Cancel Create

Now “Drag and drop” as shown:

Configure as Edit Form

Back

1 Select Fields 2 Define Query Finish

Sources

Page (main-update-orga) +

Variables

- { } avatar
- contextualInfoLabelVisible
- contextualInfoSticky
- dirtyDataFlag
- dirtyDialogOpen
- displayMode
- formState
- goToParentOption
- isSaved
- objectId
- # pHeaderId
- # pLineId
- primaryAlwaysOn
- saveOption

Functions +

System

Flow (main) +

Target

get_transferOrders-transferOrderLines

- URI Parameters
 - dependency
 - expand
 - fields
 - links
 - onlyData
 - transferOrders_id*
 - transferOrders_transferOrderLines_id*
- Headers

update_transferOrders-transferOrderLines

- URI Parameters
 - fields
 - transferOrders_id*
 - transferOrders_transferOrderLines_id*
- Headers

uriParameters.transferOrders_transferOrderLines_id

1 \$variables.pLineId

Expression Static Content

Set a nice title for the page.

Simple Create and Edit Page Template

Update Data in Transfer Line

Update Data in Transfer Line

Cancel Submit

General Events (4) All

ID

ol_ssce1

Page Title *

Update Data in Transfer Line

Page Subtitle

Update Data in Transfer Line

The display mode for the header.

[[\$page.variables.displayMode]]

Display Options

Show Go to Parent

[[\$page.variables.goToParentOption]]

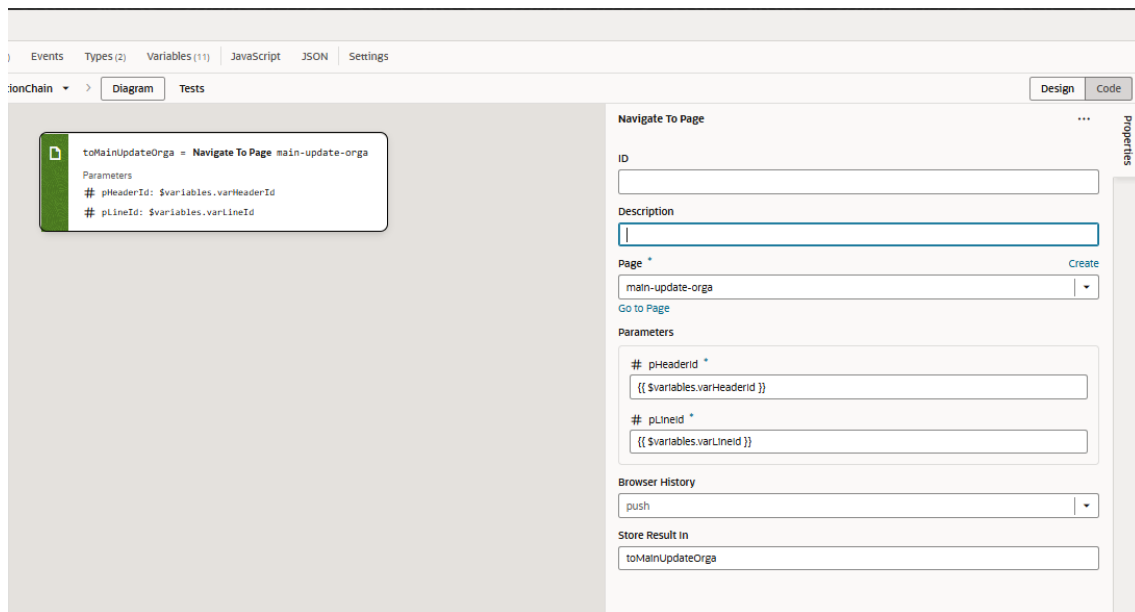
Show Contextual Info Label

[[\$page.variables.contextualInfoLabelVisible]]

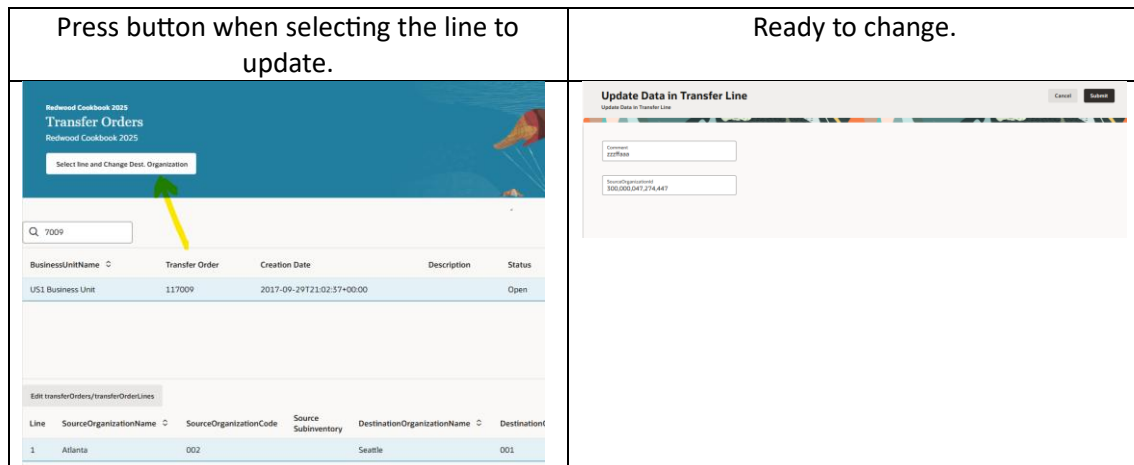
Feedback Emobution Visible

Feedback On Feedback Off

Send parameters from main page to these variables-parameters.



Quick tests to review navigation and basic data retrieval is ok.

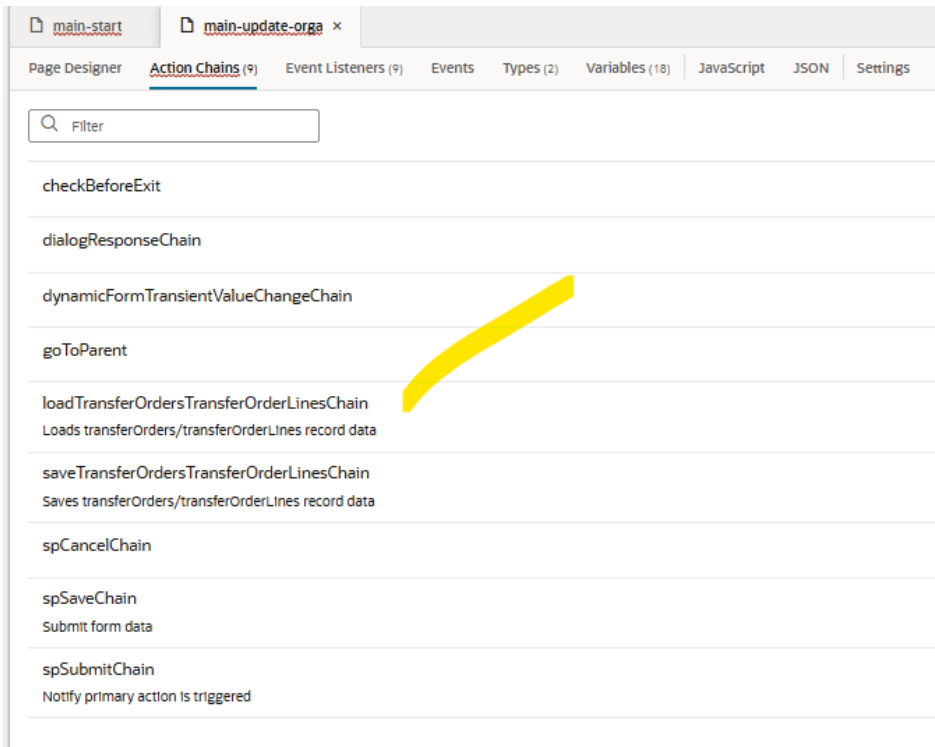


Now we have to get the “Update” part working.

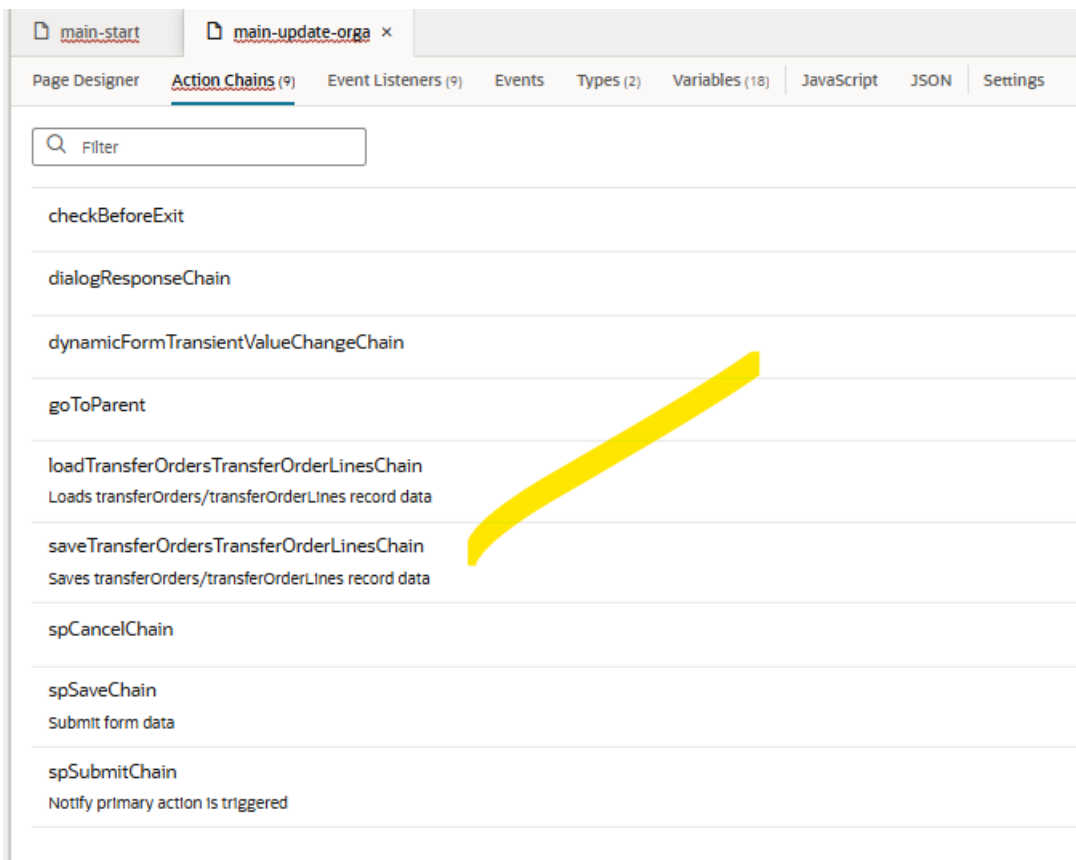
Notice in next screenshots, a lot of nice code is generated for us.

Thanks to Visual Builder-Redwood team!

Notice this action chain gets the correct record when navigating to the update page, and we have done nothing:

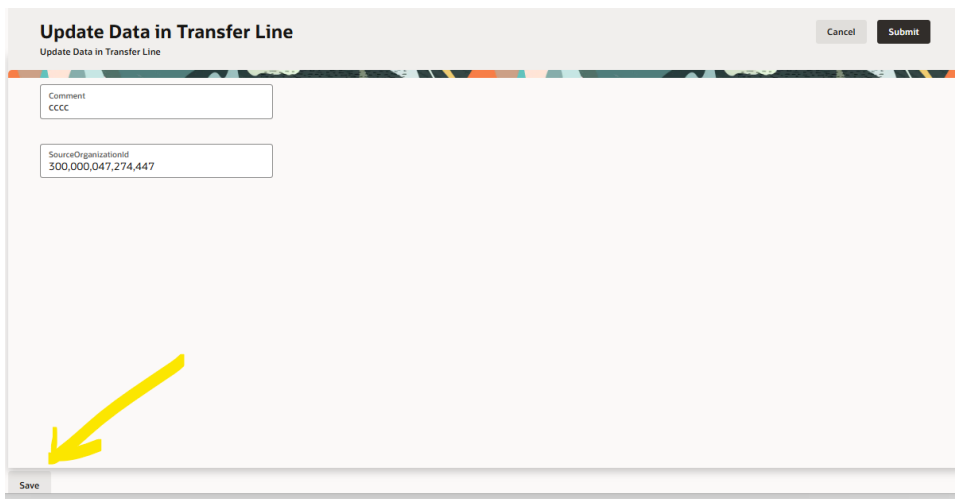


And this action chain contains the code to update the record.

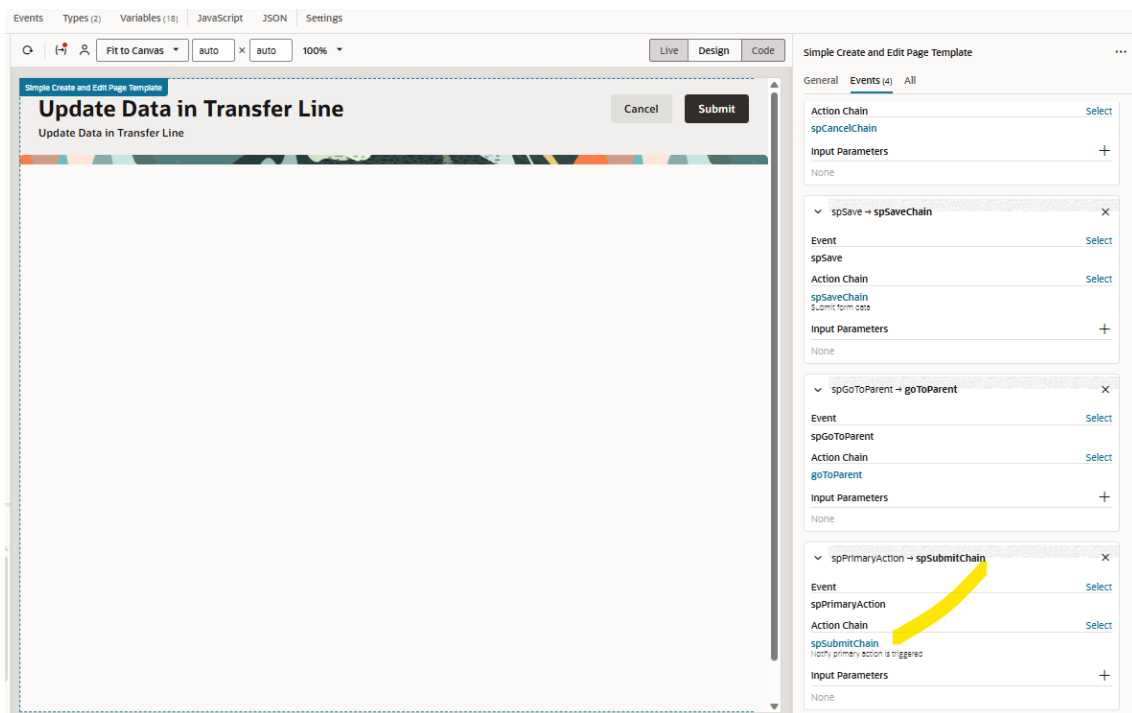


We have to wire some of the code:

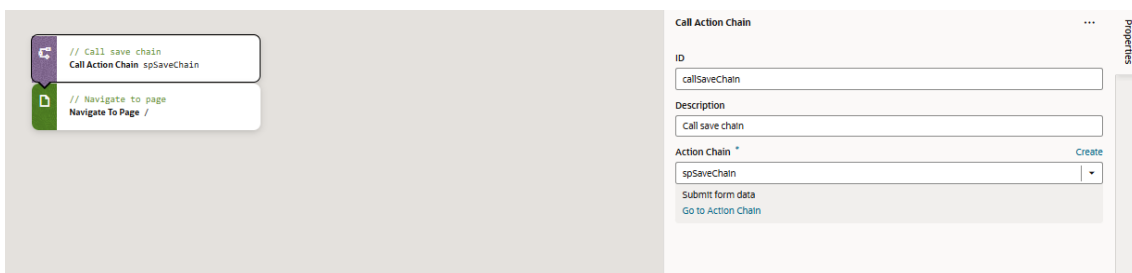
This action chain (saveTransferOrdersTransferOrderLinesChain) is called from this button, below in the page.



We will do the same action in “Submit” button (above), for that we will change the action chain called.



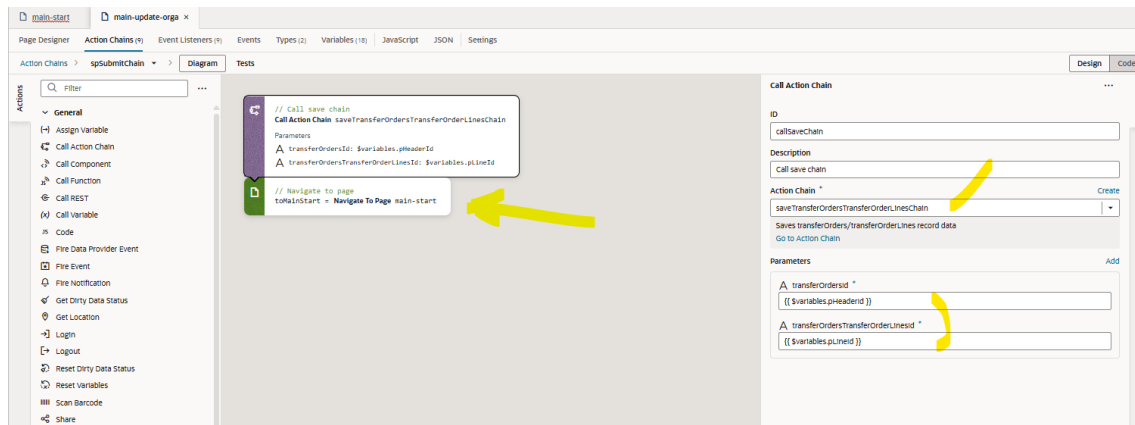
When we open, we have the following:



We will change the action chain:

1. To call the action chain as above
2. To navigate back

Feel free to add more code to control the flow.



Now after testing, we can update the comments and we will get the ok message.

Update Data in Transfer Line

Update Data in Transfer Line

Comment
qqqq

Enter 240 or fewer characters.

SourceOrganizationId
300,000,047,274,447

✔ **transferOrders/transferOrderLines saved**
transferOrders/transferOrderLines record successfully updated

Redwood Cookbook 2025

Transfer Orders

Redwood Cookbook 2025

Select line and Change Dest. Organization

7009

BusinessUnitName	Transfer Order	Creation Date
US1 Business Unit	117009	2017-09-29T21:02:37+00:00

We will go a step further and will create a list of values for the Source Organization, for that, we will use a “Select single” component.

Steps in update page.

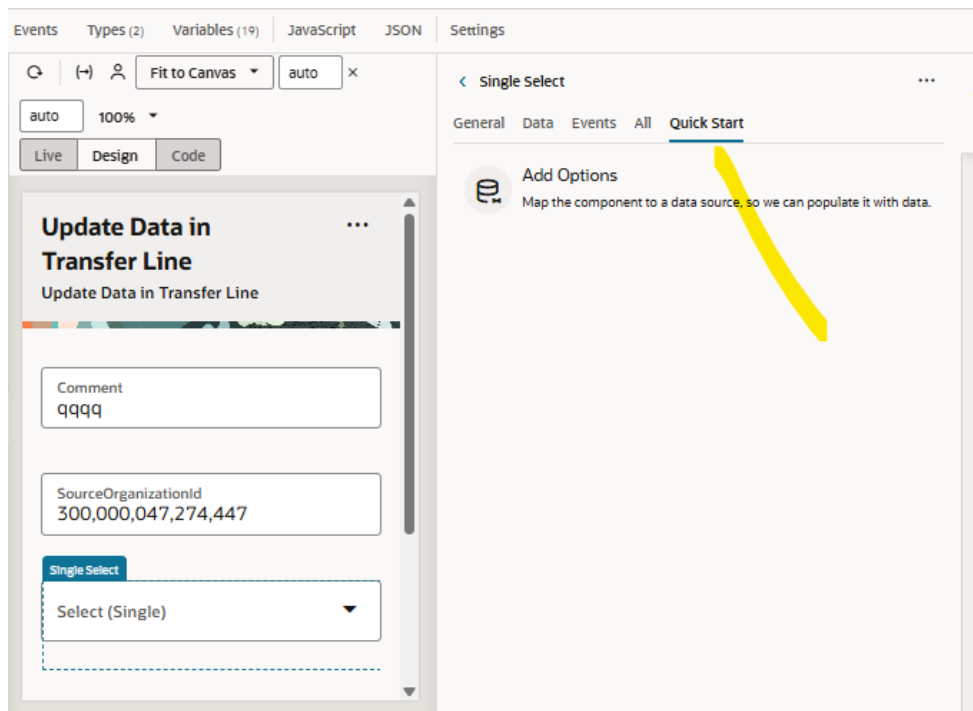
- a) Create a variable “varSourceInvOrgId”.

The screenshot shows the 'Variable' configuration dialog with the 'General' tab selected. The 'ID' field contains 'varSourceInvOrgId'. Below it, a warning message states: 'Variable 'varSourceInvOrgId' is defined but not used'. The 'Type' dropdown is set to 'Number'. The 'Label' and 'Description' fields are empty. At the bottom, the 'Input Parameter' section has three buttons: 'Disabled', 'Enabled', and 'Required'.

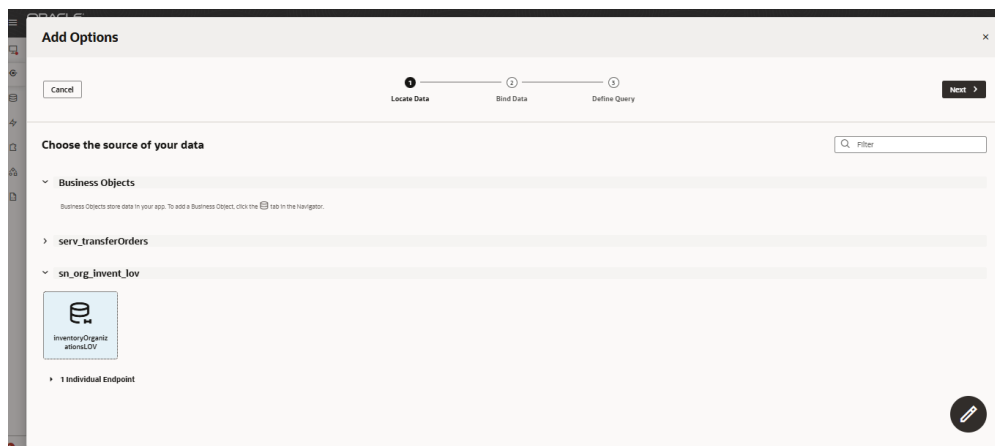
- b) Add “Select Single” component using the connection “sn_org_invent_lov” for REST API.
<https://fa-XXXX-saasfadem01.ds-fa.oraclepemos.com/fscmRestApi/resources/11.13.18.05/inventoryOrganizationsLOV>

The screenshot shows the Oracle APEX Page Designer interface. The 'Components' pane on the left lists various components under 'Forms & Inputs', with 'Select (Single)' highlighted. A yellow arrow points from this component to the 'Update Data in Transfer Line' page on the right. The page has a title 'Update Data in Transfer Line' and a subtitle 'Update Data in Transfer Line'. It contains three input fields: 'Comment' with the value 'qqqq', 'SourceOrganizationId' with the value '300,000,047,274,447', and a 'Single Select' dropdown menu with the value 'Select (Single)'. The 'Single Select' dropdown is highlighted with a dashed blue border.

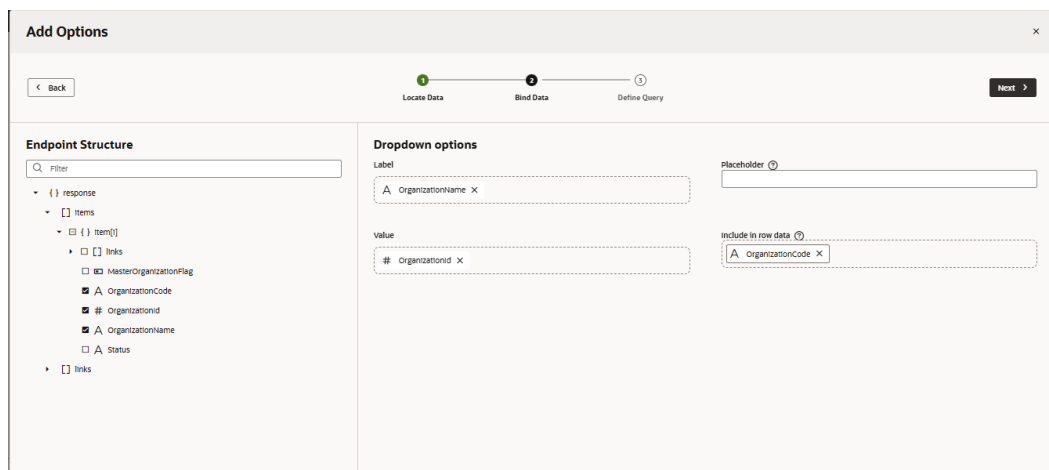
Use the wizard.



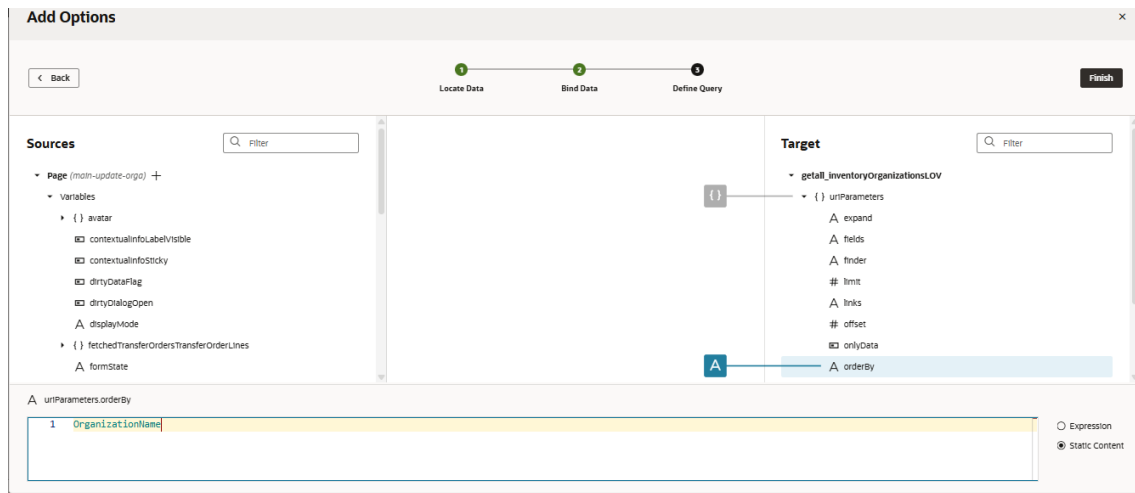
Select sc.



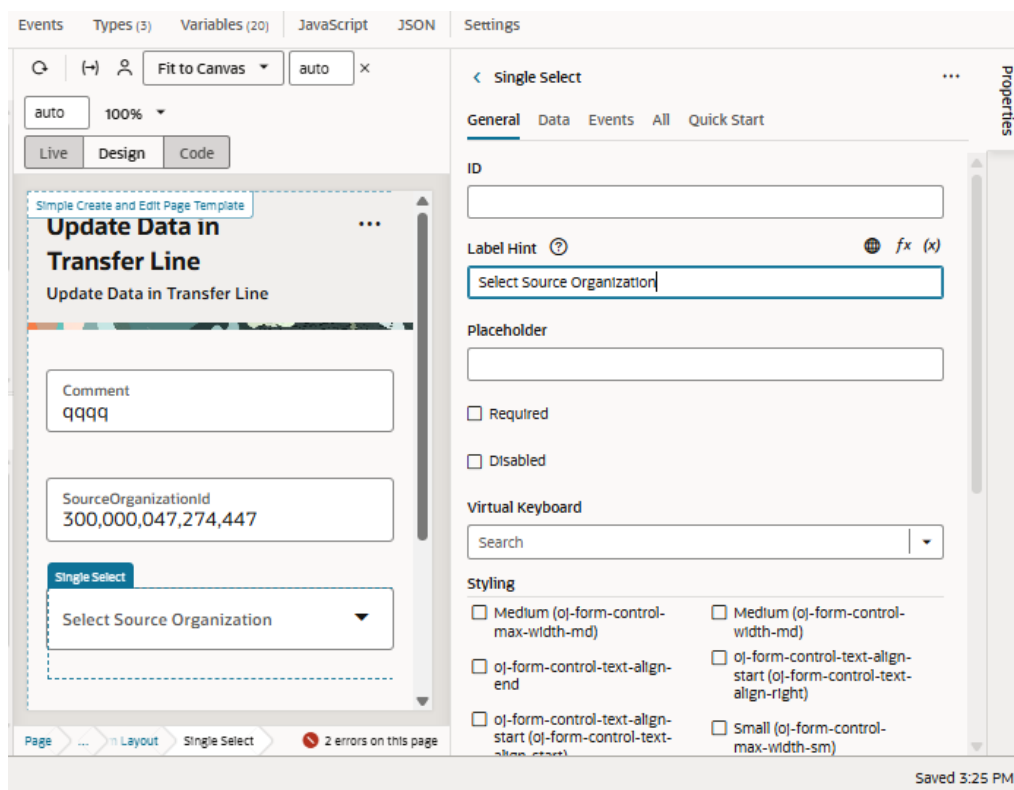
Select fields.



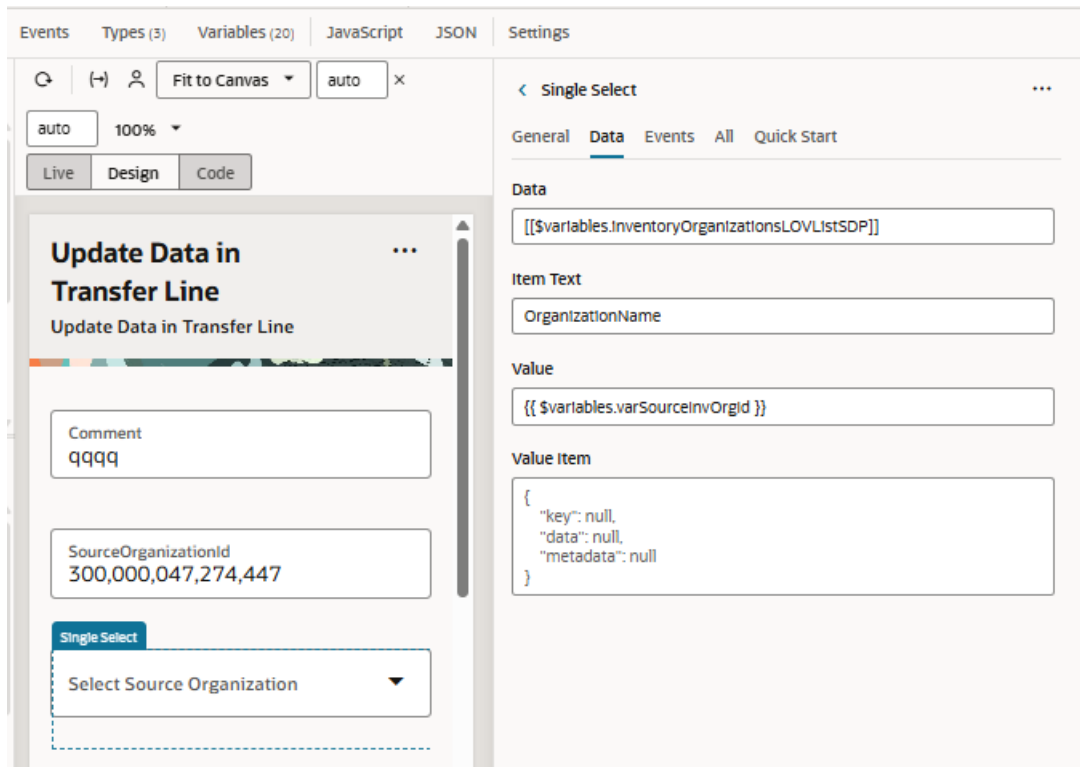
OrderBy parameter.



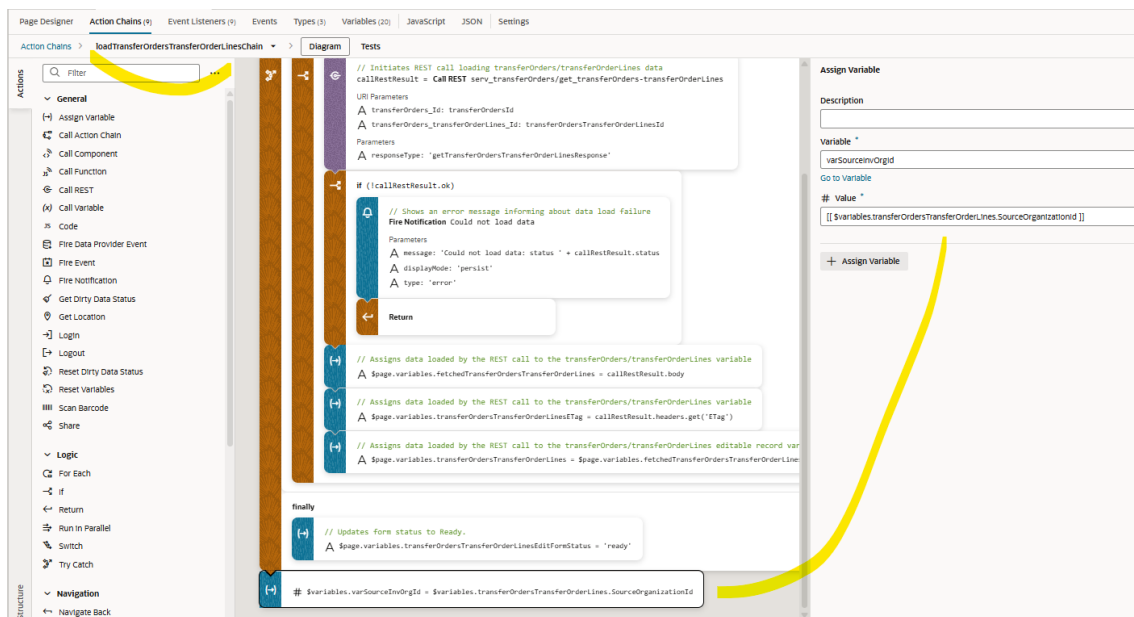
Change label.



Change value.



c) Load variable in action chain "loadTransferOrdersTransferOrderLinesChain"



Test.

Update Data in Transfer Line

Update Data in Transfer Line

Comment
qqqq

SourceOrganizationId
300,000,047,274,447

Select Source Organization
Atlanta

Set the field “SourceOrganizationId” as readonly.

Update Data in Transfer Line

Update Data in Transfer Line

Comment
qqqq

Select Source Organization
Atlanta

General Data Events All

ID

Label Hint ⓘ
SourceOrganizationId

Placeholder

Min

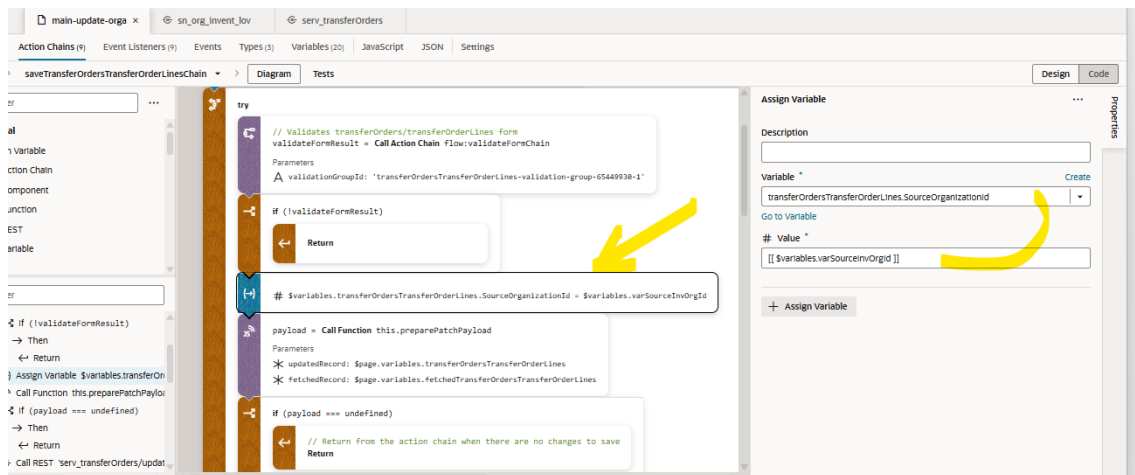
Max

Step

☐ Required
☐ Disabled
☒ Readonly

- d) Update variable before save in action chain
“saveTransferOrdersTransferOrderLinesChain”.

Added Assign variable activity.



Test.

Update Data in Transfer Line

Update Data in Transfer Line

Redwood Cookbook 2025

Transfer Orders

Redwood Cookbook 2025

Select line and Change Dest. Organization

BusinessUnitName	Transfer Order	Creation Date	Description	Status	TotalPrice	HeaderId
US1 Business Unit	117009	2017-09-29T21:02:37+00:00		Open	20	117008

Line	SourceOrganizationName	SourceOrganizationCode	Source Subinventory	DestinationOrganizationName	DestinationOrganizationCode	Destination Subinventory	ItemNumber
1	Chicago	003		Seattle	001	Completed	V21001

e) Leave field for debugging purposes until all flow is ok.

There is a logic when showing the inventory organizations list of values to limit the values shown. We cannot use any value.

In our instance on the Redwood page we see these values:

☐ Allow Item Substitution

Source and destination

Source Organization

002

000

001

002

003

004

005

006

Source Subinventory

Destination Subinventory

Completed

Destination Locator

Destination Type

Inventory

UOM Name

Ea

In-Transit Quantity

BUT, at the time of the writing of this document we do not know the logic so we will play with some values available on the Transfer Orders ADF page.

After fully testing-debugging you can hide the field and will see the page as shown:

Update Data in Transfer Line

Update Data in Transfer Line

Cancel

Submit

Comment

zzzzzzzz

Select Source Organization

Chicago

Technical

[_https://github.com/juanjesusmontero/oracle_redwood_cookbook](https://github.com/juanjesusmontero/oracle_redwood_cookbook)

Code example	Comments
XX_DEMO_TRANSFER_ORDERS-1.0.3.zip	Visual Builder application used in demo. Developed with VB-OIC.
VB_REDWOOD_COOKBOOK_2026_TRANSFER_ORDERS.pdf	Document