Oracle Visual Builder Redwood Cookbook 2025-2026

(Chapter 27).

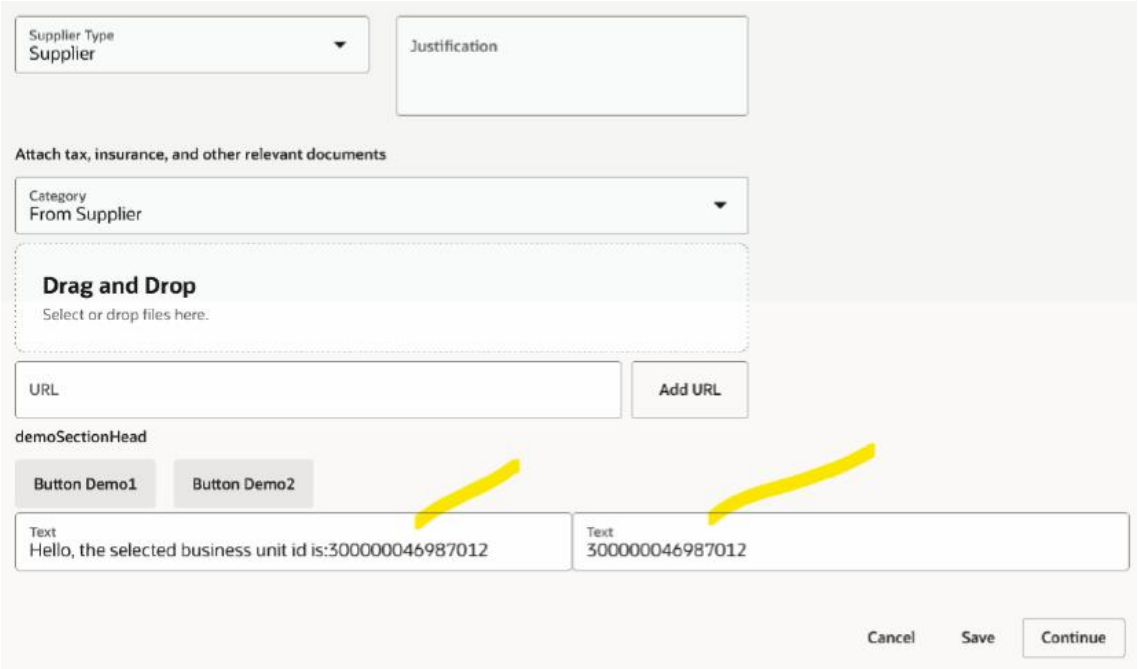
Workaround for customization when add layouts feature is not available in SCM Sales Orders Redwood pages.

Introduction/Goal

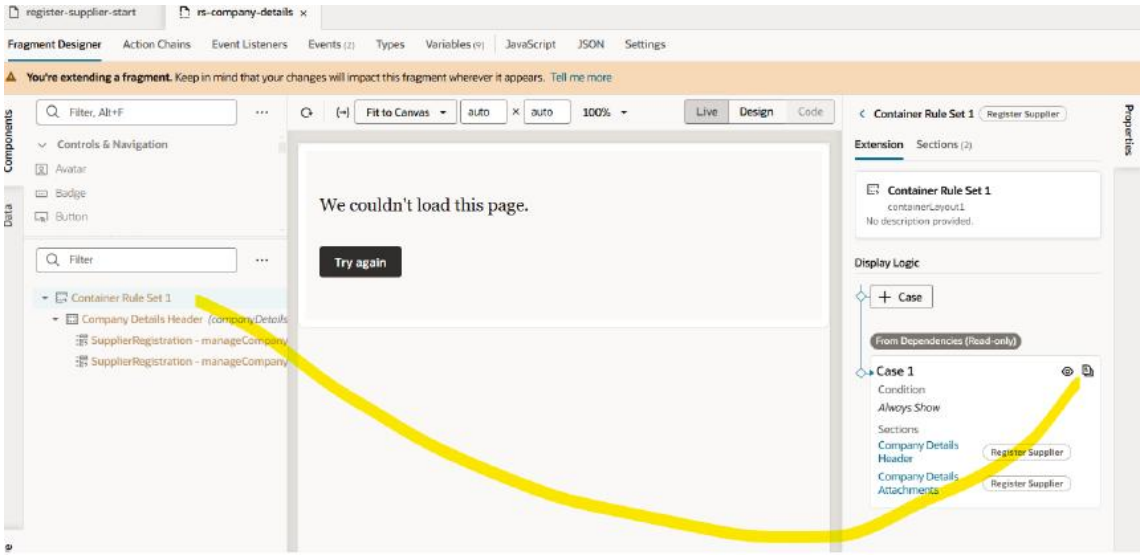
Some Redwood pages allow, to include new layouts, which means new calculated information, new buttons to run processes, etc.

This feature provides great flexibility to achieve user's requirements.

The following screenshot shows a dummy example, in the responsive Suppliers page, notice that we are able to add new fields, buttons, etc.:

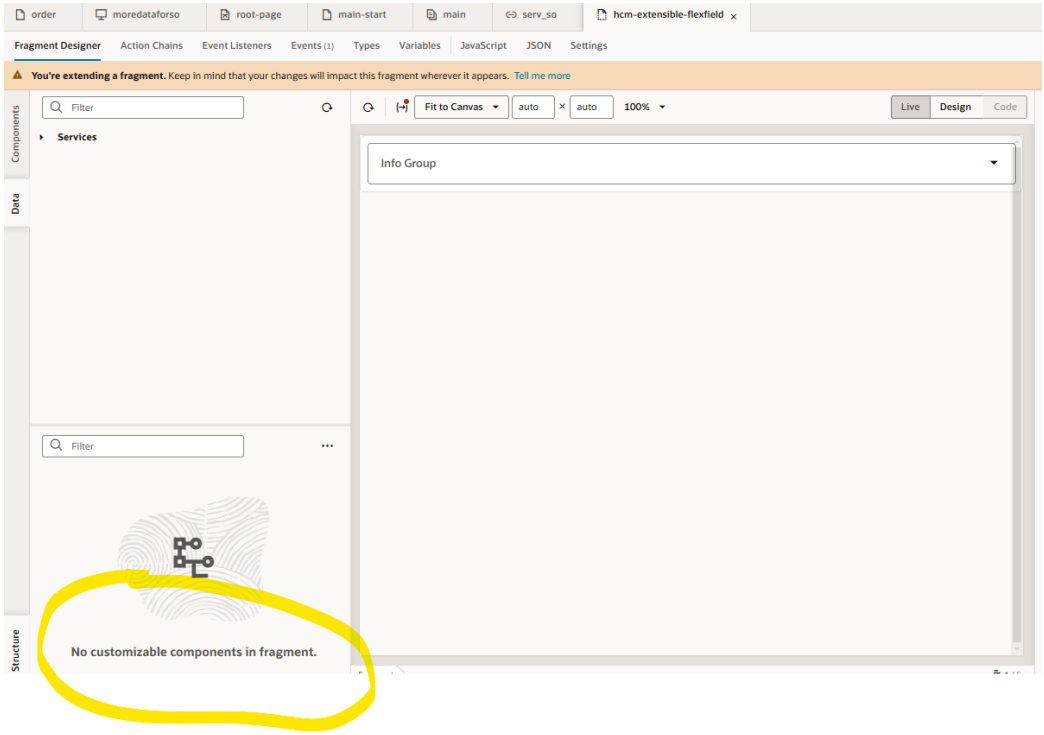


A way to know if Redwood pages support new layouts is review if you are able to duplicate "Cases" as shown in next screenshot:



On the Sales Orders page (in SCM module) we have not found how to add new layouts, so on paper it is not feasible to add new fields/buttons/processes.

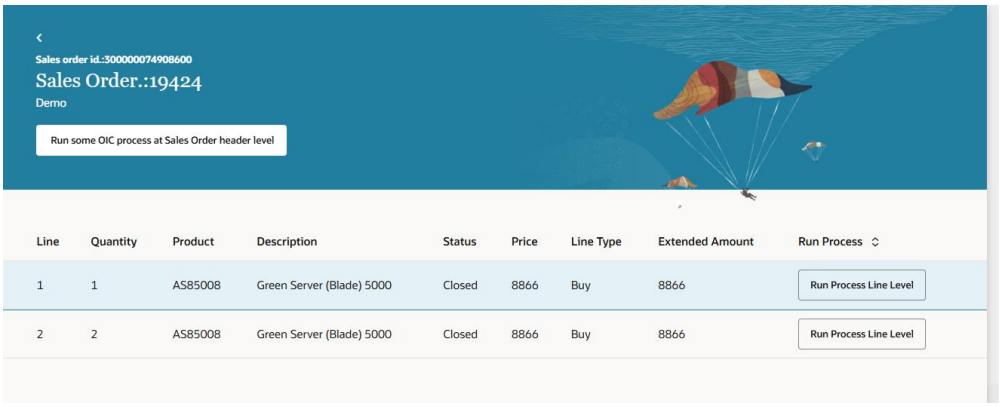
We have been reviewing the page with no success:



If we have a requirement to show additional information related to the Sales Order, what can we do?

Visual Builder and JavaScript to the rescue!!!!

We will provide the user with a page like this:



Somewhere I have read, Visual Builder was planned as a “no-code” or “low-code” tool, but my opinion is that to get complex requirements done you need to code, and this takes time to learn.

Also to get some complex requirements done you will need JavaScript, if you do not use it at all there will be requirements that will not be possible to accomplish.

In Visual Builder you will not need to be a JavaScript expert, but you will need some basics and cut and paste/trial error approach (mine).

As much as you learn JavaScript will make your coding with Redwood Visual Builder easier.

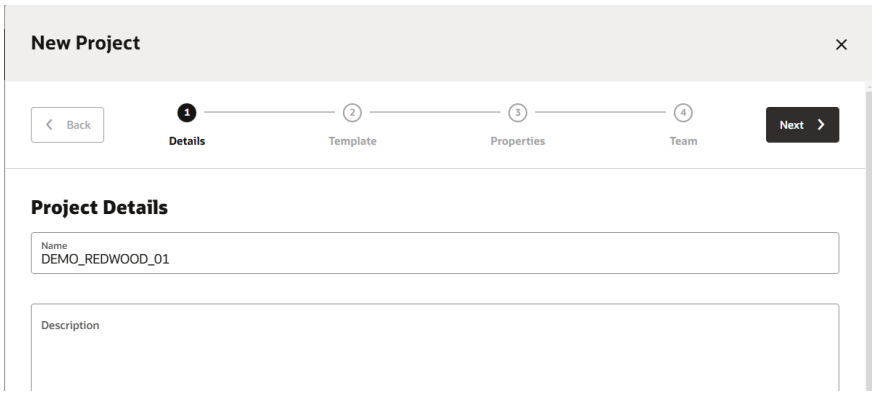
For learning purposes, I will show a **workaround** to get the job done, it is not clean, is tricky, but works and could provide ideas to others to get a better approach, while Oracle developers working in Redwood provide a place to include new layouts in these pages.

Preparatory steps

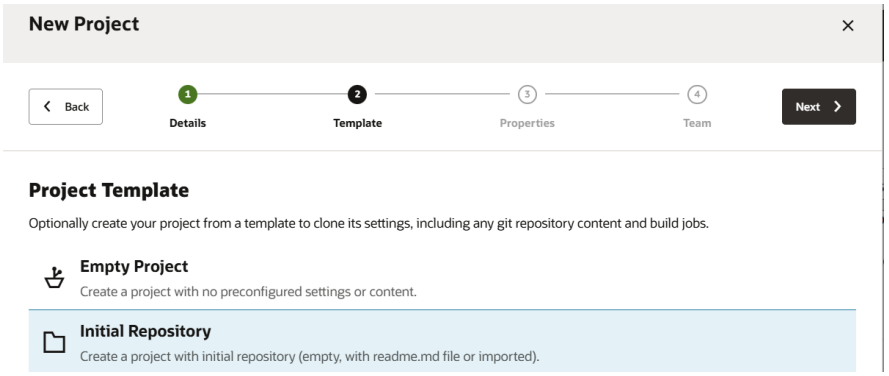
Access Oracle ERP with a user with roles to see sales orders and Visual Builder customization.

Navigate to Configuration-Visual Builder:

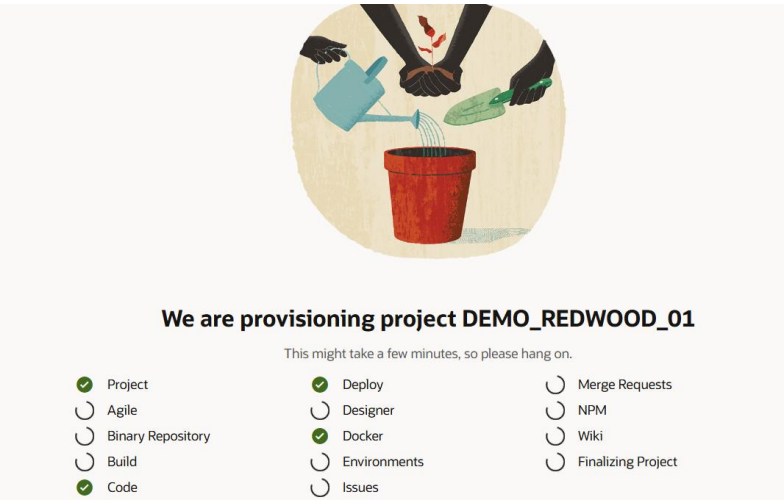
Create project.



Press Next.

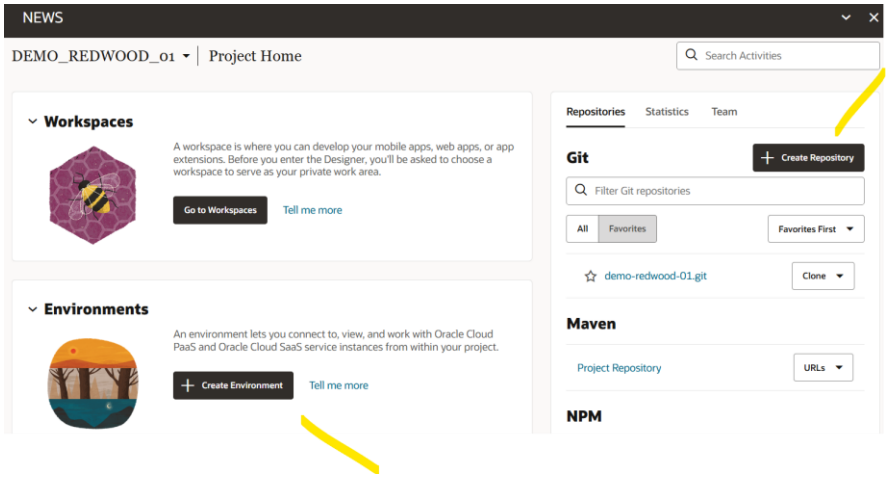


Drink your coffee, it will take a little while to finish.

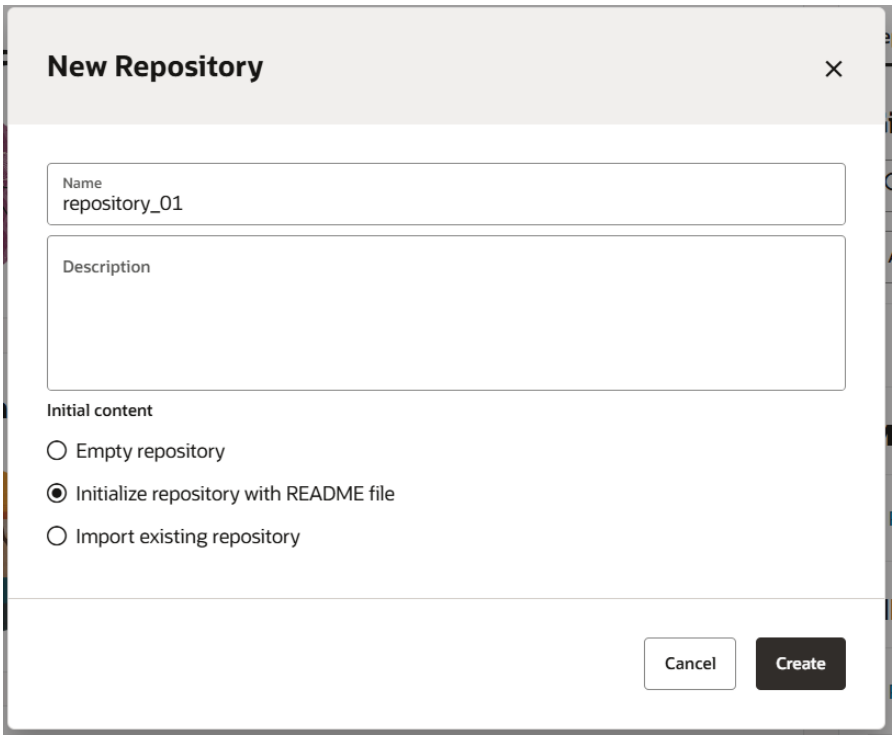


To import provided code (see below the 3 files for different phases) and I will show you the steps I have followed.

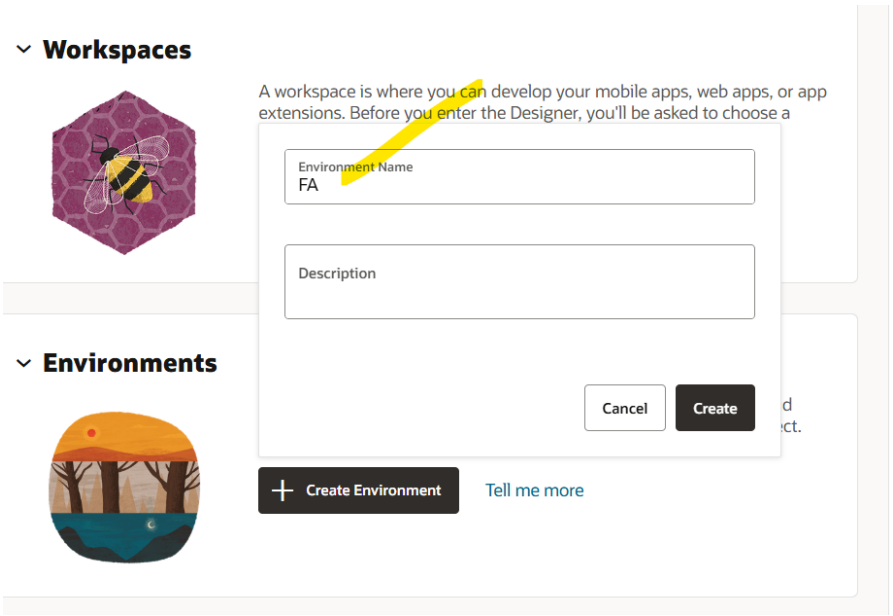
Create repository and environment:



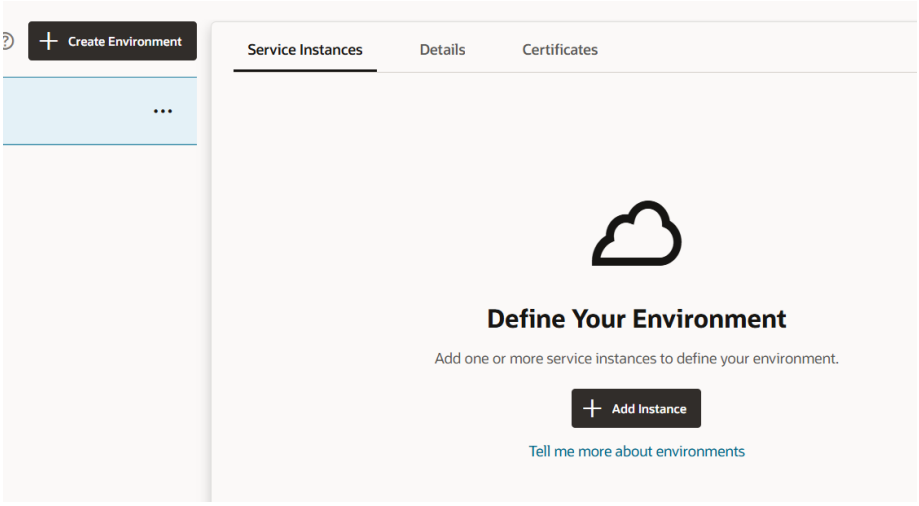
To create repository:



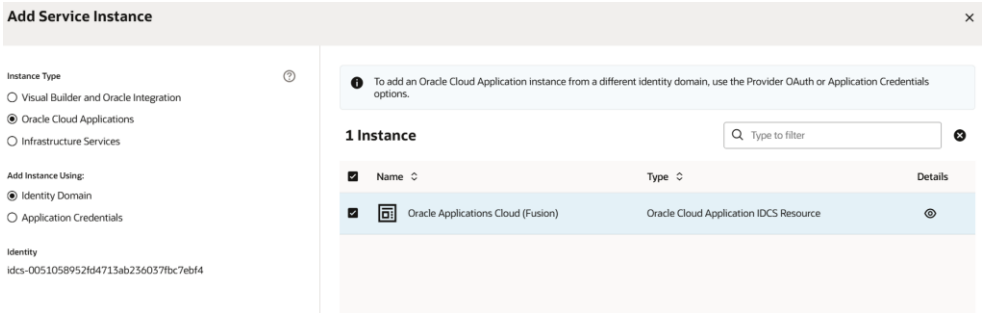
And to create environment.

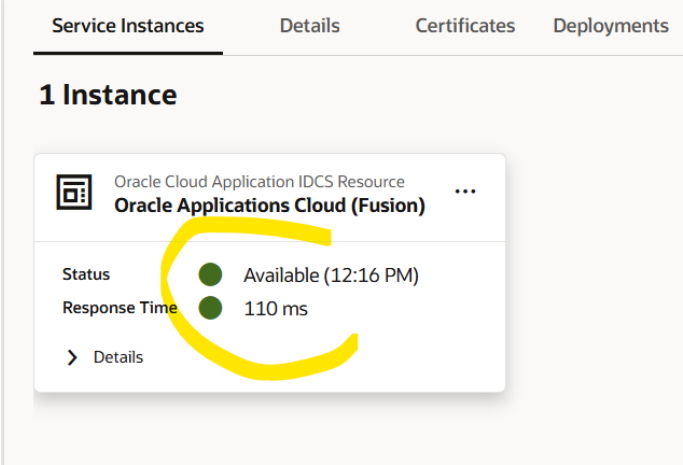


Click “Add Instance”.



Select as shown:

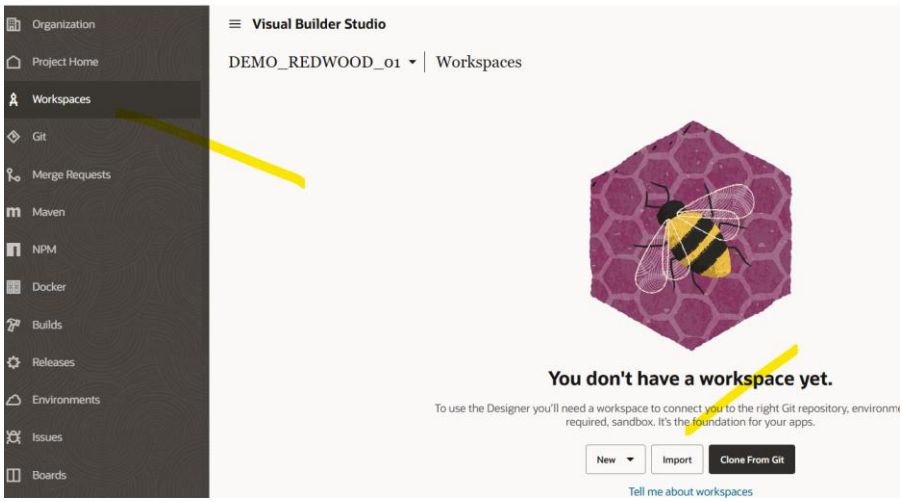




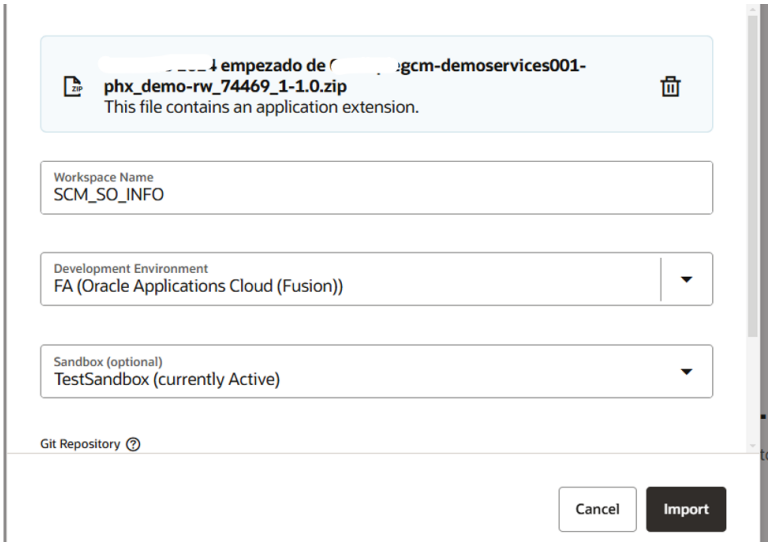
Now import provided example files see below the differences.

Download from: https://github.com/juanjesusmontero/oracle_redwood_cookbook

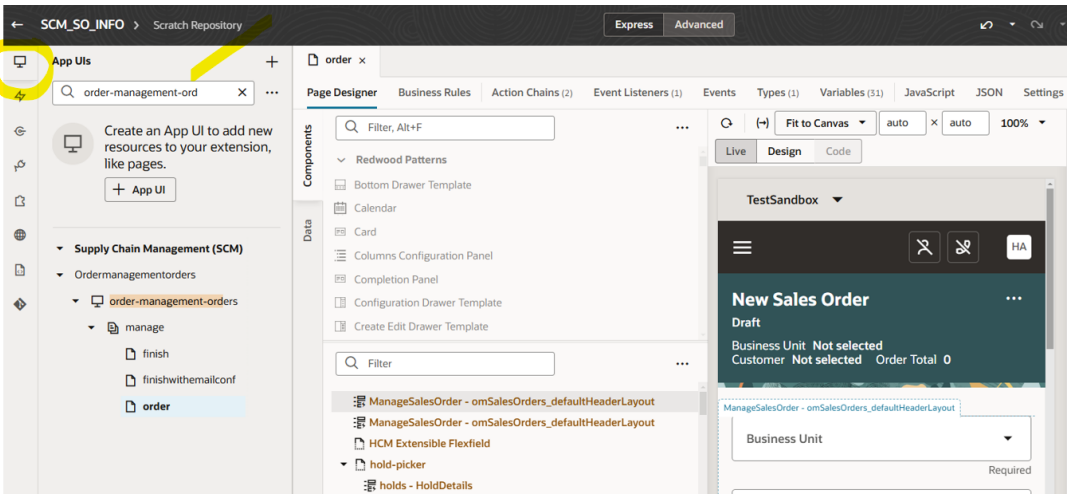
Navigate to Workspaces, Import.



Assign a name:



Optional: filter as shown to take a look at the customization features.

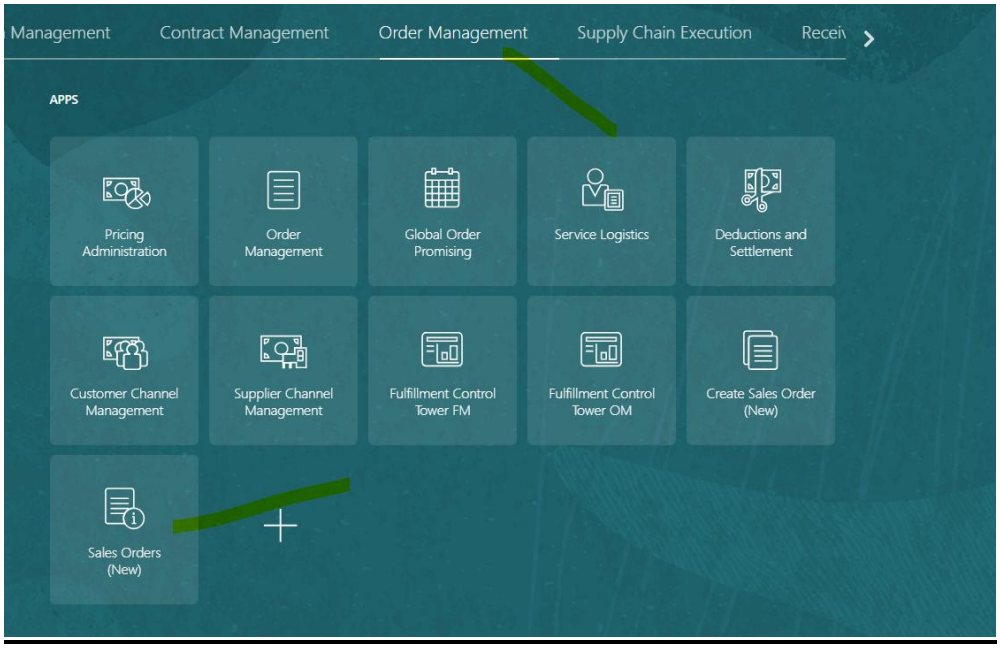


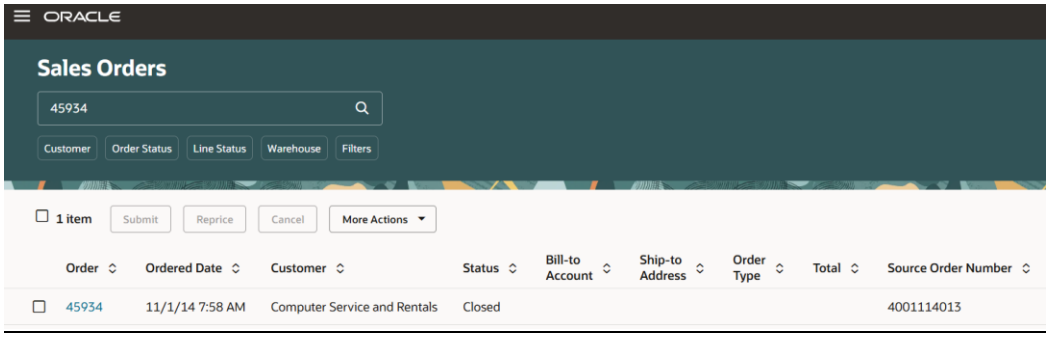
And now close the browser.

There is a reason for this, if we run the page in preview just now, we will not have a context sales order, and to have one is good for testing using preview features, in next section we will open a “Sales order” in ERP-CLOUD to get the context and see our changes.

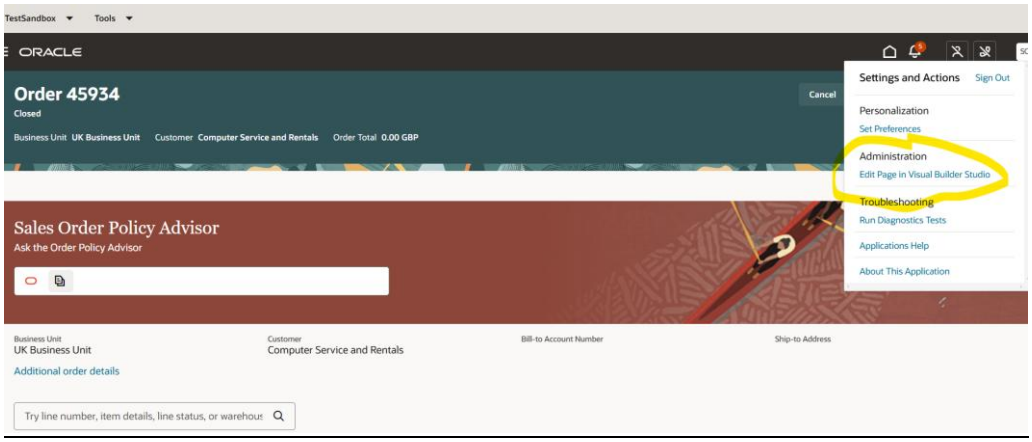
Navigation

Navigate to Order Management and in our case query 45934 order.

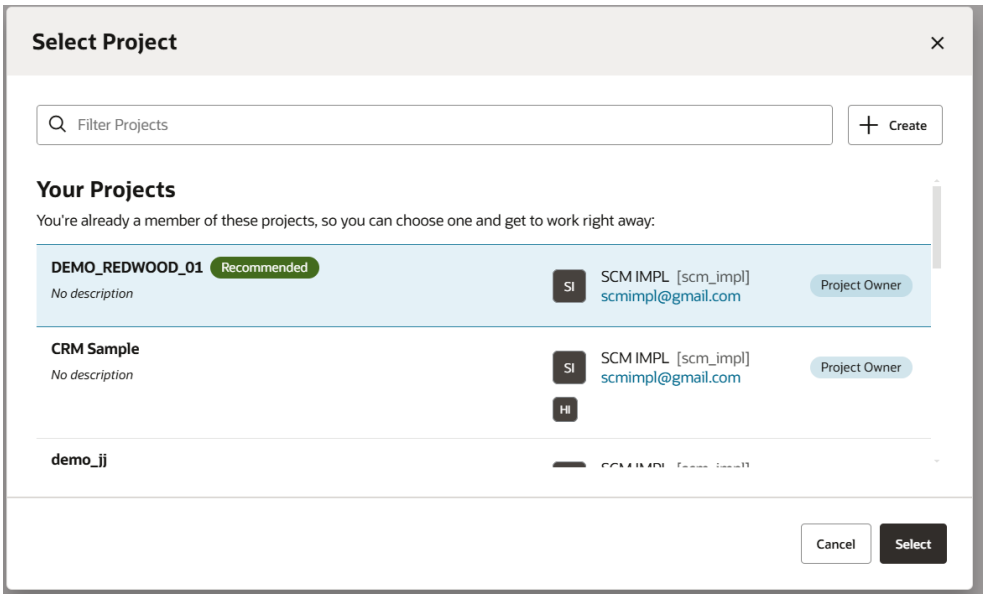




Open Visual Builder.



Select our project.

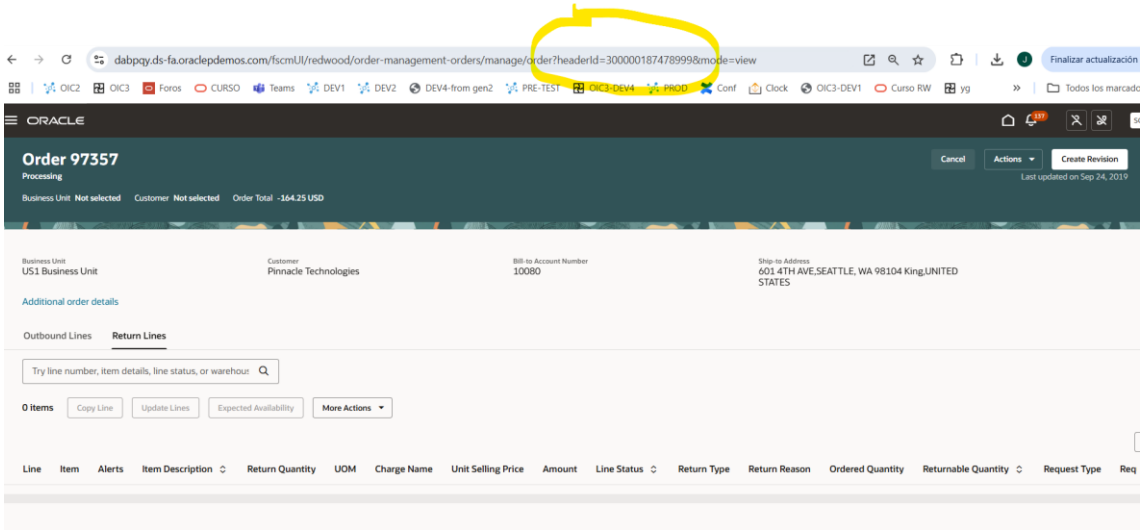

Select Project
Filter Projects
Create
Your Projects
You're already a member of these projects, so you can choose one and get to work right away:
DEMO_REDWOOD_01
Recommended
No description
SI
SCM IMPL [scm_impl]
scmimpl@gmail.com
Project Owner
CRM Sample
No description
SI
SCM IMPL [scm_impl]
scmimpl@gmail.com
Project Owner
HI
demo_jj
Cancel
Select

Summary of steps

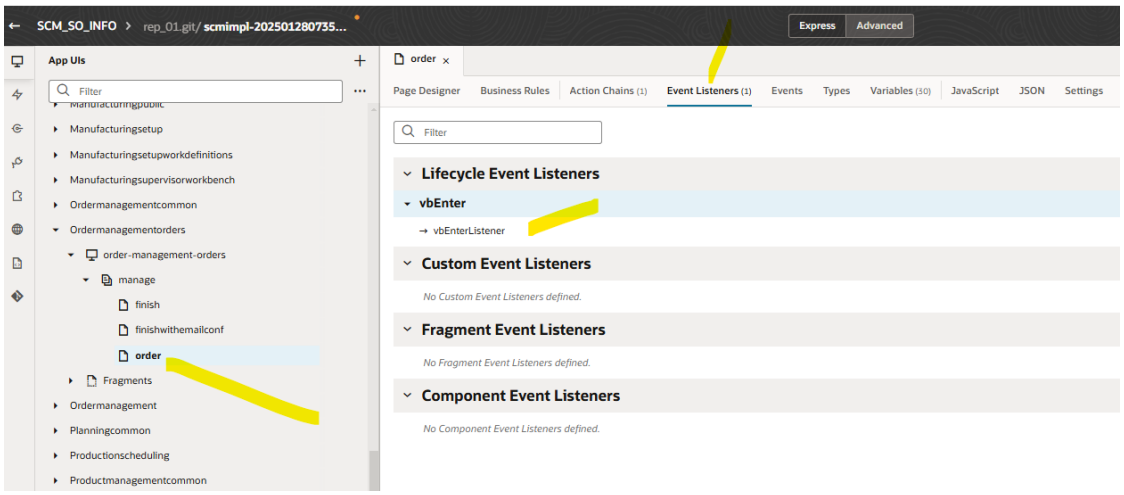
We will not explain steps sequentially but will focus on the artifacts we have used.

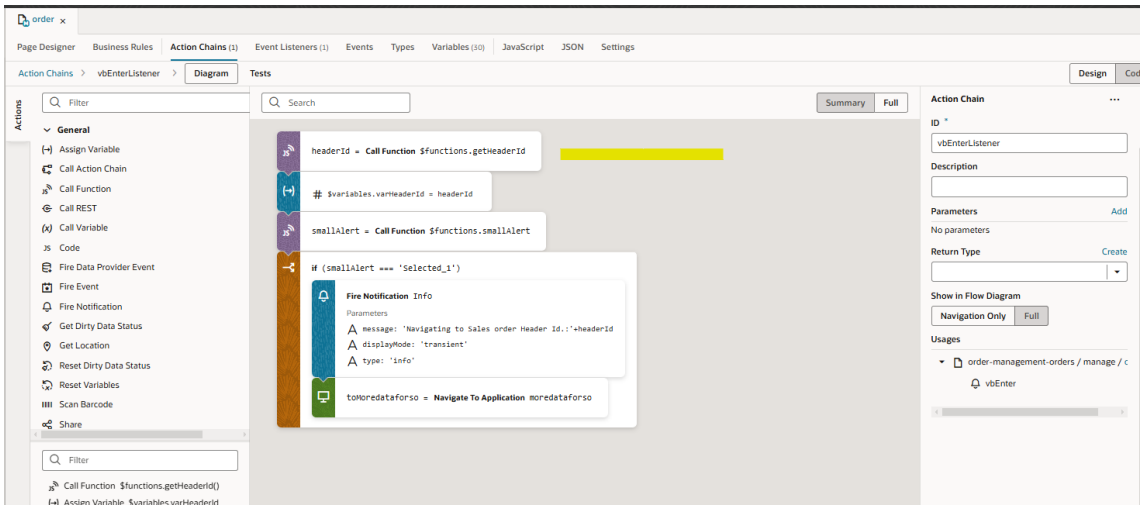
The starting point of the whole process is that we have found that the URL of the page contains the Header Id. of the Sales Order.

With JavaScript code we will find it and use it in the whole process, it is the entry door to do whatever we need.

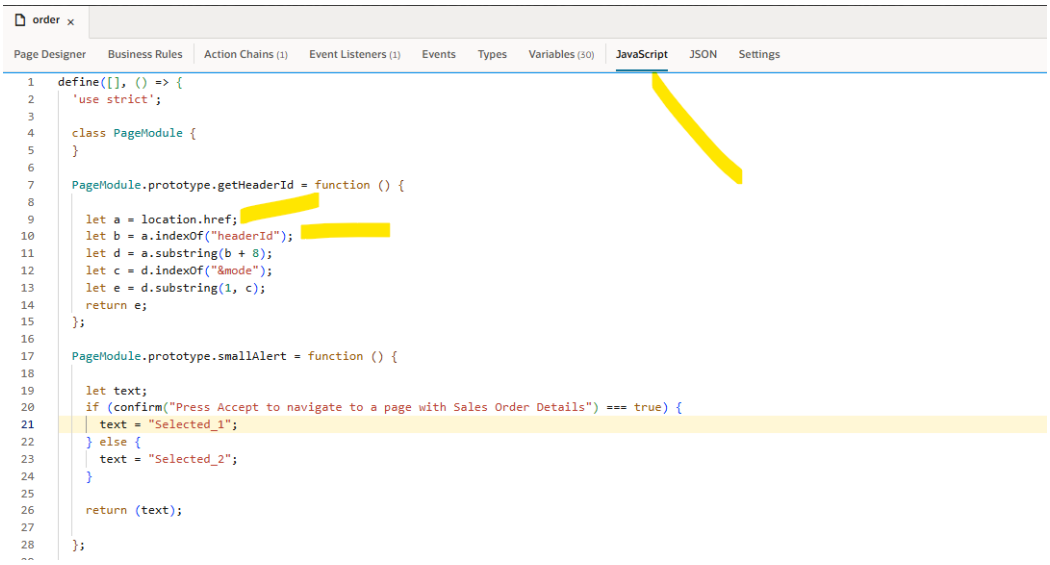


The magic is in “vbEnterListener” Event Listener and a bit JavaScript code.

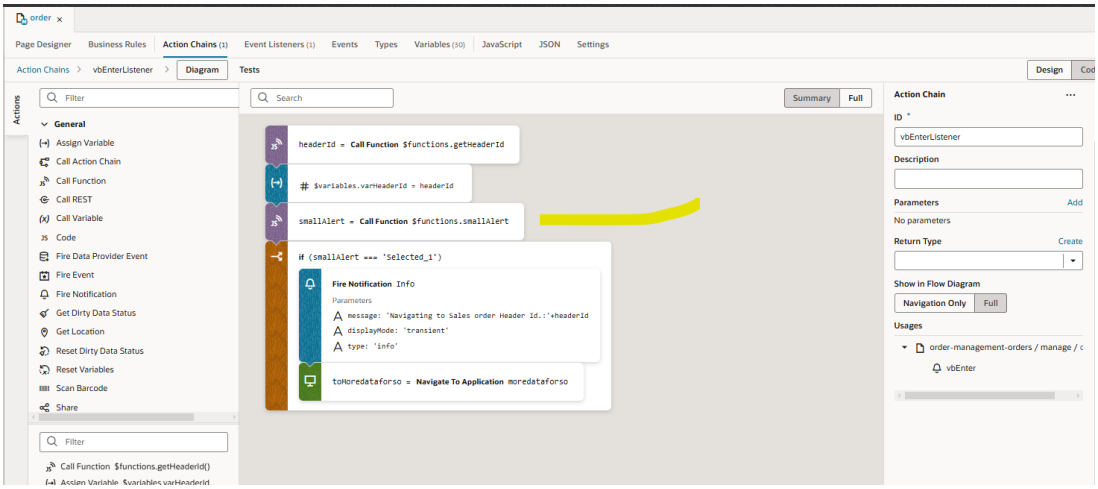




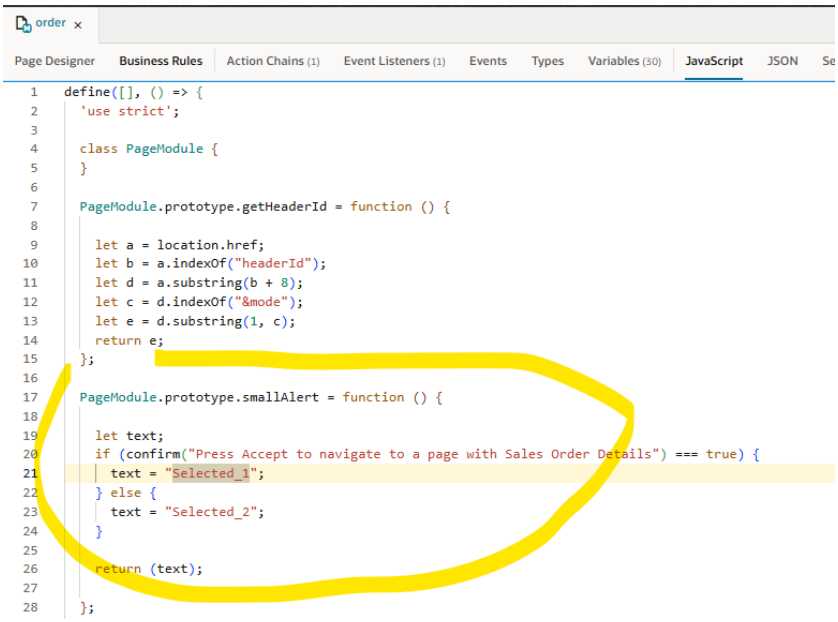
In this piece of JavaScript, we get the URL and find the “headerId”.



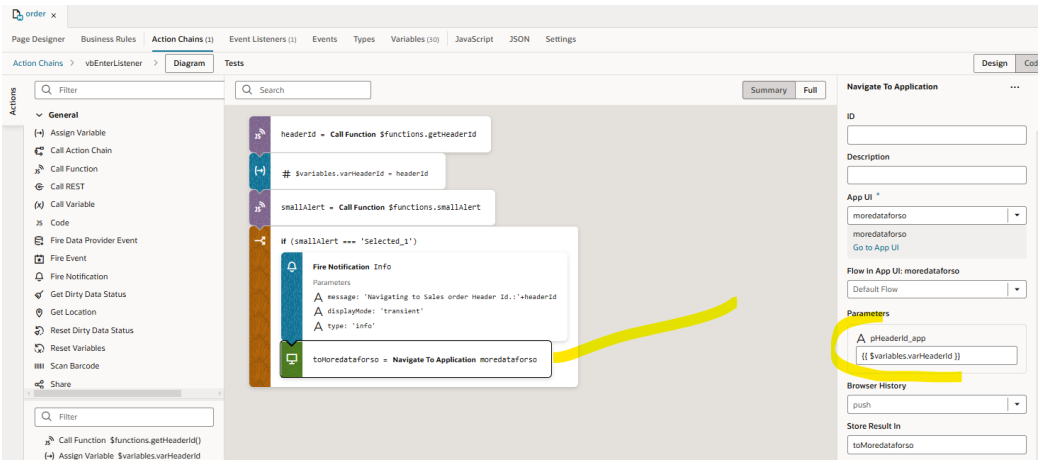
Here we ask the user If he/she wants to navigate to the page with additional features.



And this is the piece of JavaScript to show the question.



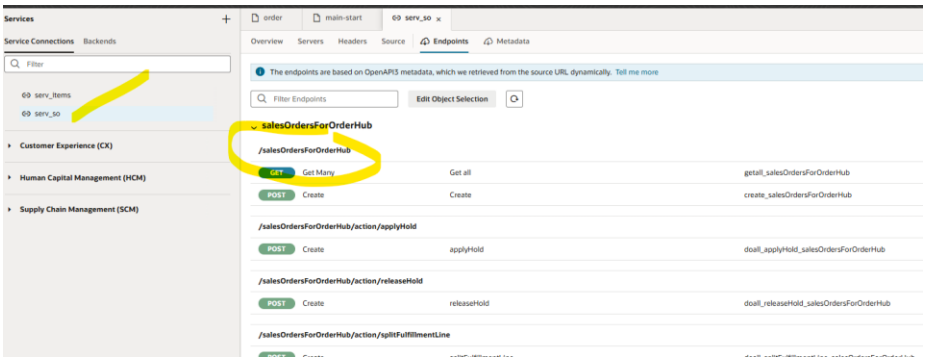
Here we navigate to the new page sending the parameter (HeaderId):



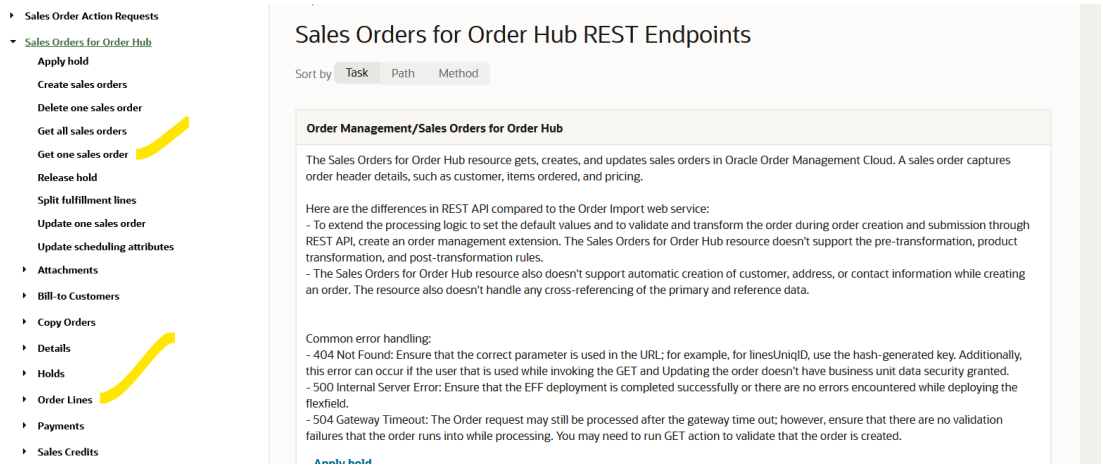
We have built from scratch a page using Welcome Page Template.

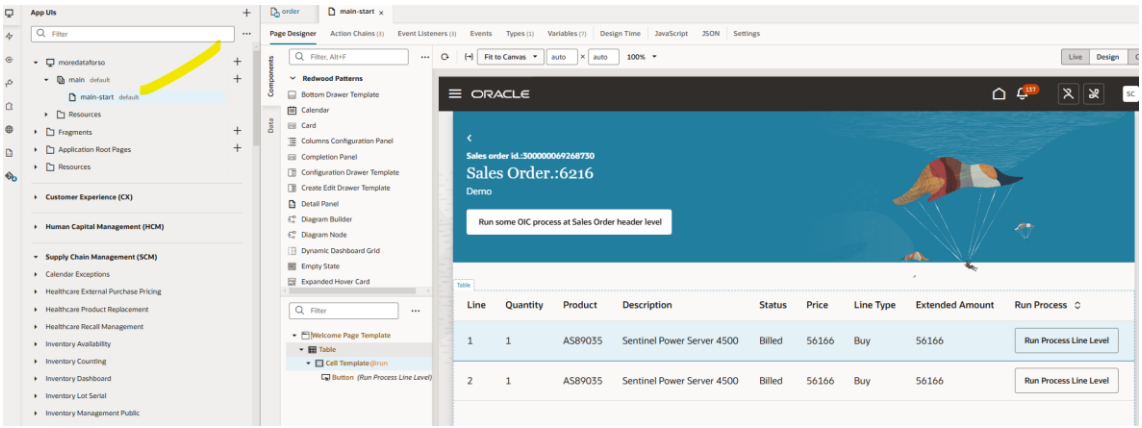
This is an extension that can be built using the free Visual Builder embedded in Fusion Applications.

You will need a connection for the REST API that manages the Sales order.

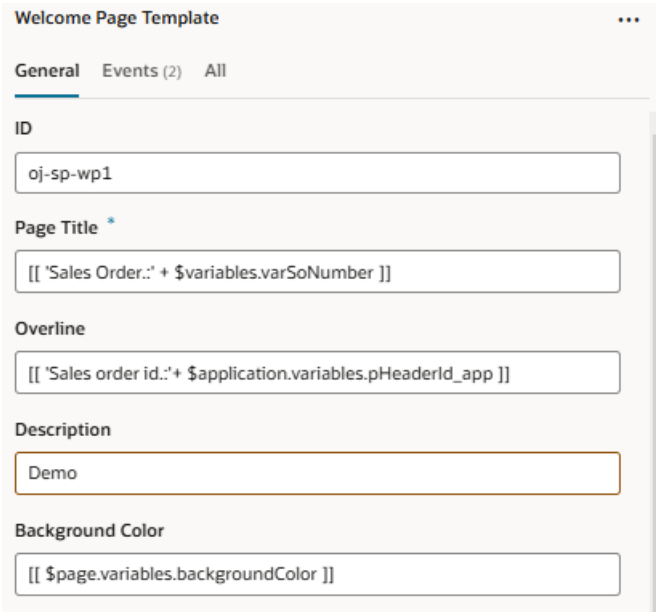


We find this is the correct REST searching in the reference documentation.

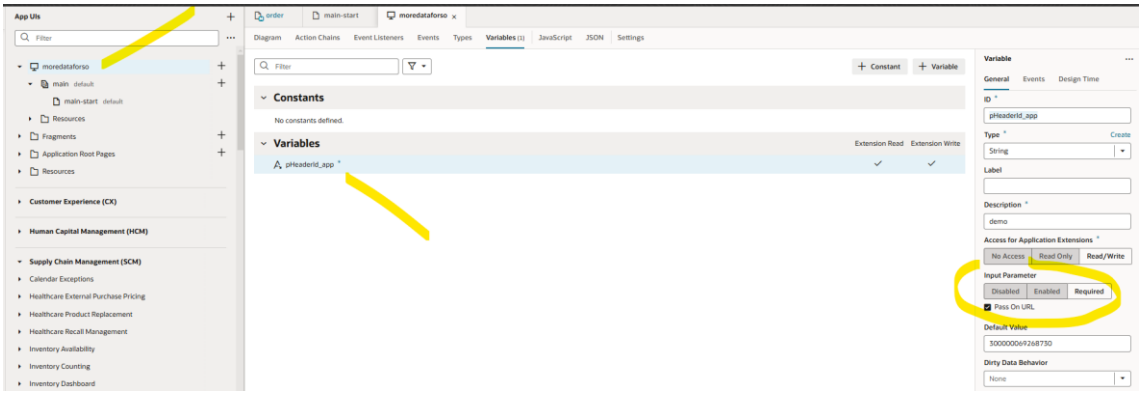




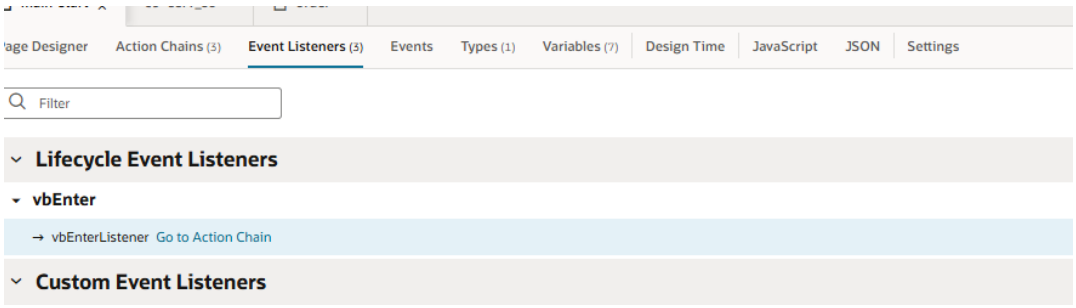
Some properties of the root node.

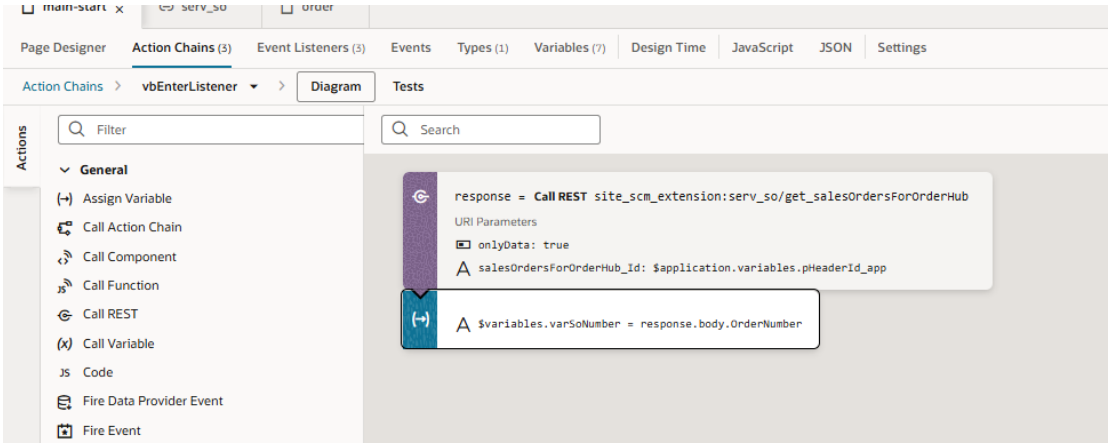


I will have a variable of type parameter at application level (after testing other levels for this variable do not work as expected):

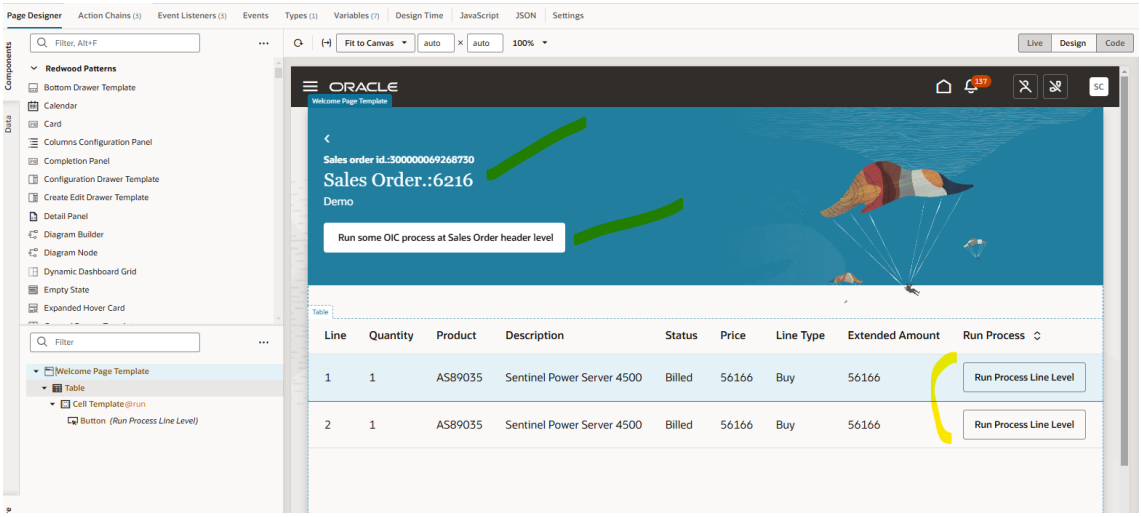


In the called page we will also have “vbEnterListener” Event Listener, to retrieve additional data.

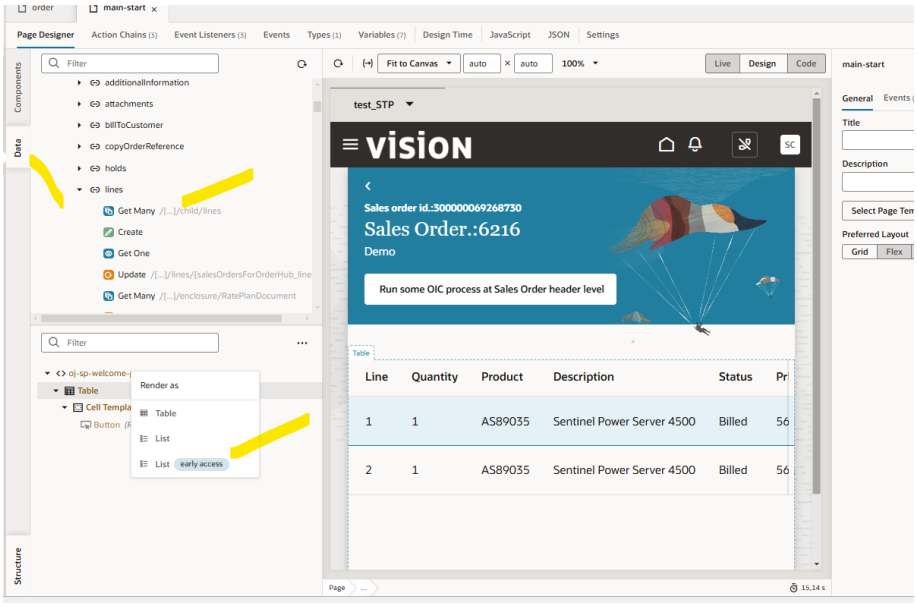




In the new page, we could show additional information at header or line level and run processes at header or line level.



We have added a table for Sales Order line using drag and drop from “Data”, Get Many using the Table option.



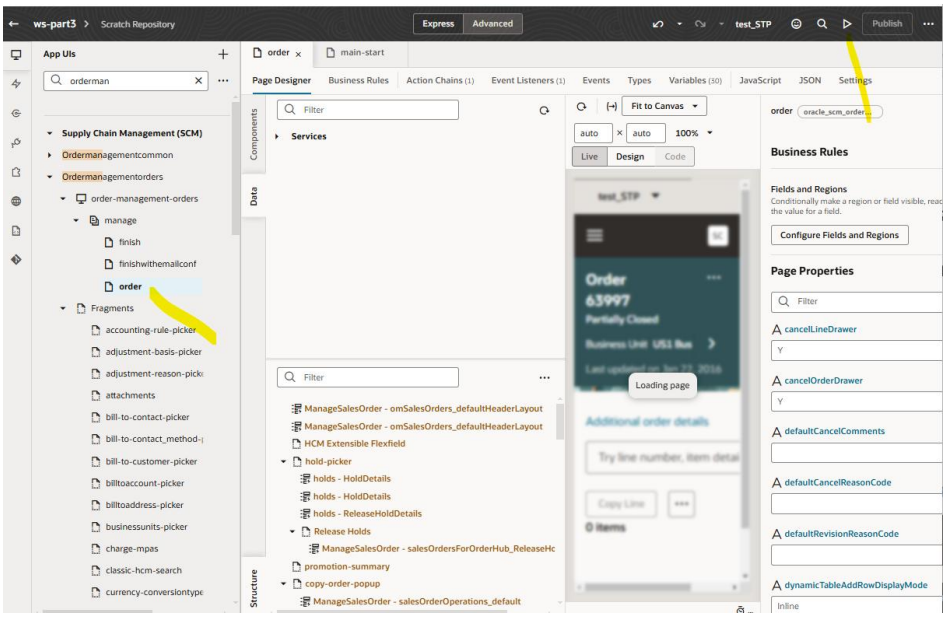
Feel free to review the code provided.

Conclusion-Testing.

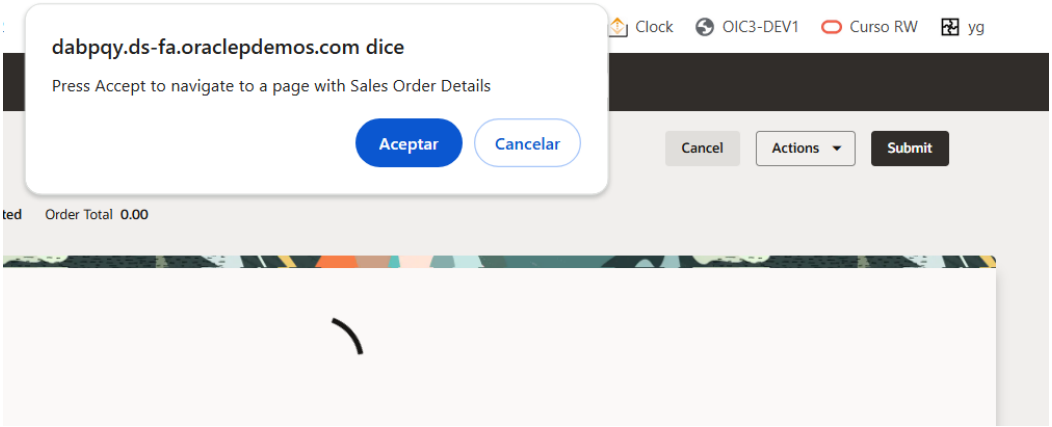
We have overcome the limitations the Sales Order page have (in the future this feature could be provided by Oracle).

We could now add new data and/or run processes for Sales Order and lines.

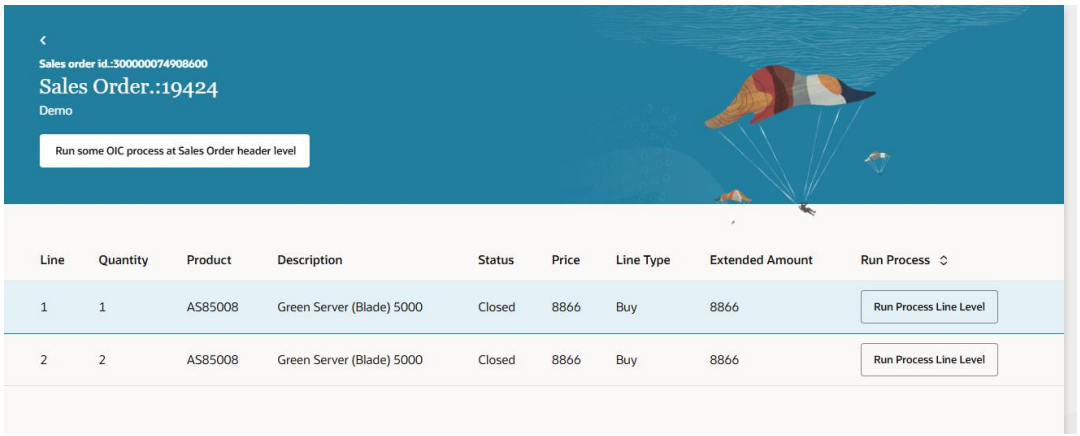
We could publish (see reference oracle documentation) our extension or for quick testing we can run in preview mode.



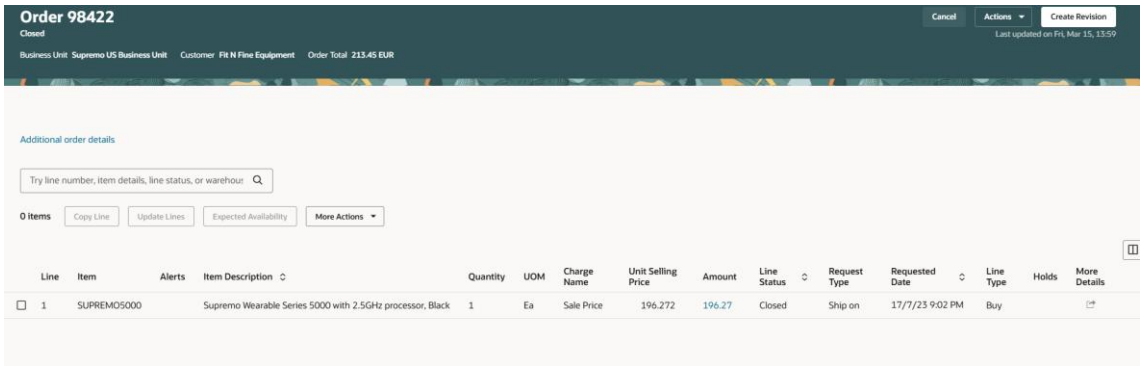
When we access a Sales Order, we would see a basic question run by our JavaScript code.



If user press “Accept” we would navigate to the new page.



If cancel the flow will go on and show the current page:



Files provided:

The evolution of our testing is reflected in the following files you could import at your convenience.

Download from: https://github.com/juanjesusmontero/oracle_redwood_cookbook

Part 1

Summary: we will show a message with Sales Order Id.

The code to import is in file: blog_01_part1_fra_demo-redwood-01_19323_1-1.0.zip

Part 2

Summary: we will navigate to a new page built from scratch that will be able to show the Sales order number.

The code to import is in file: blog_01_part2_fra_demo-redwood-01_19323_1-1.0.zip

Part 3

Summary: we will improve the new page to show how new data could be added and how process at header level or a line level could be accomplished.

The code to import is in file: blog_01_part3_fra_demo-redwood-01_19323_1-1.0.zip