SCM-Inventory.

Visual Builder Redwood Custom pages to scan a EAN13 barcode. PART I.

Extension developed with VB included in Fusion (the free one).

Introduction/Goal

Requirements as follows:

1. *Scan an item EAN13 barcode. PART I (this one)*
2. *Show stock using REST. PART II (in the coming weeks).*

   Note: we know that new releases 25A+ have this functionality, we will develop ours for learning purposes and we will include additional features.

   Also show descriptive flexfields or other related information.

This document will be "Part I" of this demonstration.

We will create page that will be able to read an EAN13 barcode for an item and store it in a variable, no more and no less.

Notice at the time of this writing OIC-VB as far as we know, does not allow this "Barcode Scanner" component "out of the box", you must include JavaScript libraries, etc. according to my questions in forums

In Part II we will be able to do some action with the scanned information.

In next pictures we will see the result of this (Part I) exercise using a mobile.
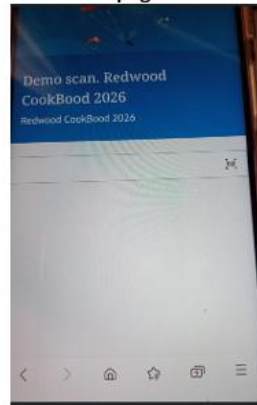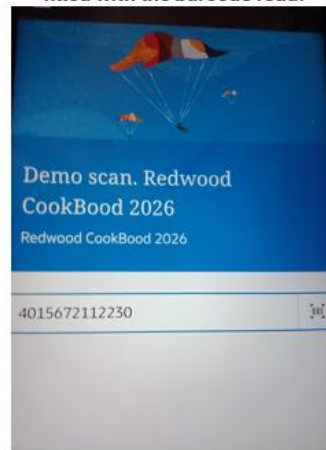

Type your user/pwd
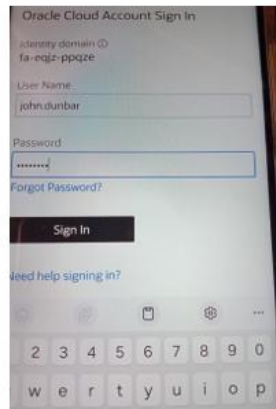
After a few seconds you will see your page

Focus on your barcode

And the field will be automatically filled with the barcode read.
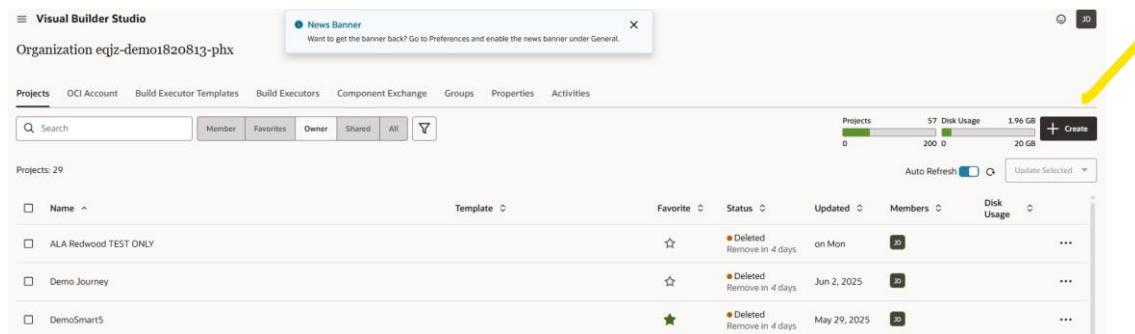
Preparatory steps

You will need a user with proper roles to access VB in Fusion and to create Sandbox.
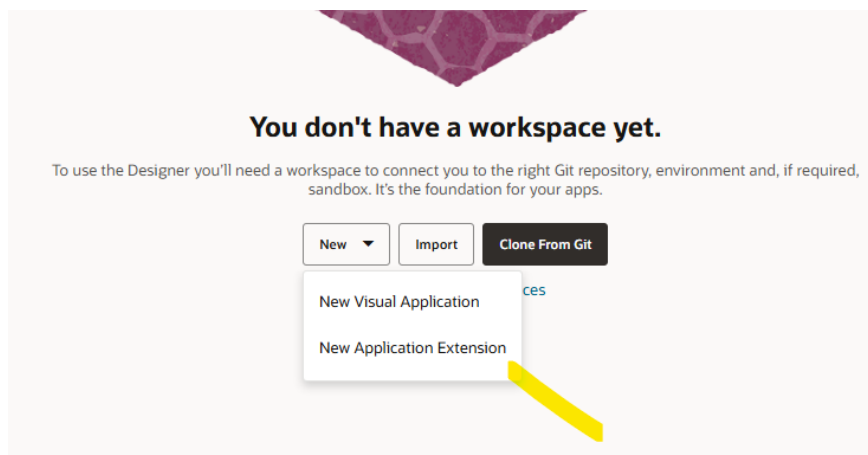
Detailed steps.

1. Project creation.

From Oracle SaaS.

After creating project.

2. Create App UI.

Fill the data as shown.

New Application Extension ✕

Extension Name
scan_demo

Extension Id
site_scan_demo

Workspace Name
scan_demo

Root Folder
extension1

ⓘ This extension is hosted under the /extension1 folder in your Git repo, but you can type in the name of a different folder if you wish.

Development Environment
FA (Oracle Applications Cloud (Fusi   ▼

Sandbox (optional)
No sandbox selected   ▼

Git Repository ⓘ

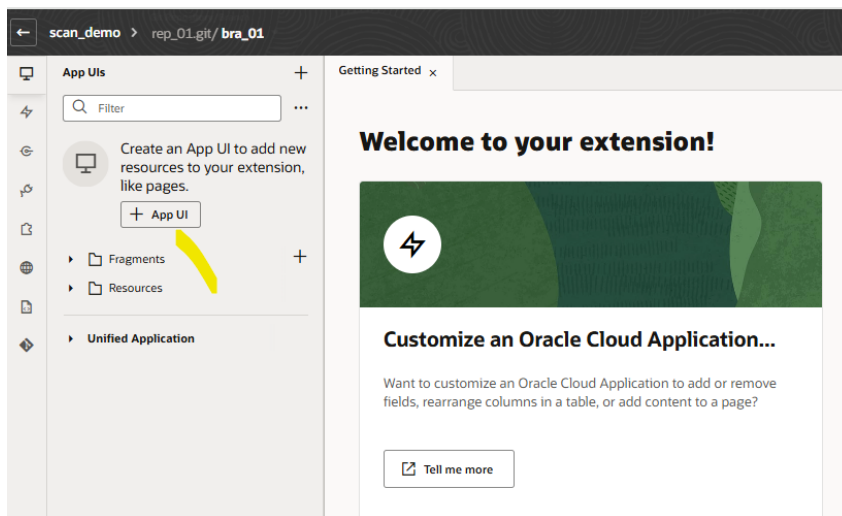○ Use scratch repository

◉ Create new repository

Repository Name
rep_01

Working Branch Name
bra_01

Cancel   Create

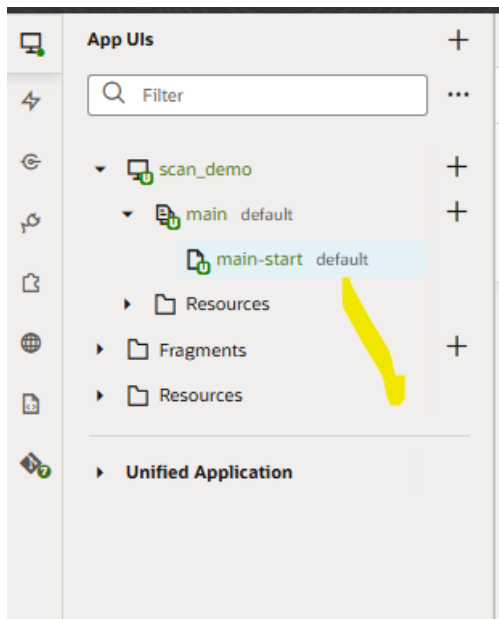Now we are creating App UI.

Create App UI ✕

App UI Name *
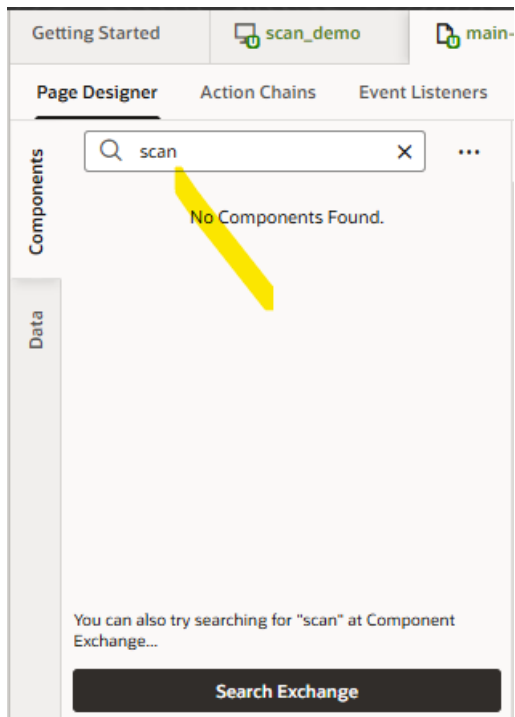
scan_demo

App UI ID ⓘ

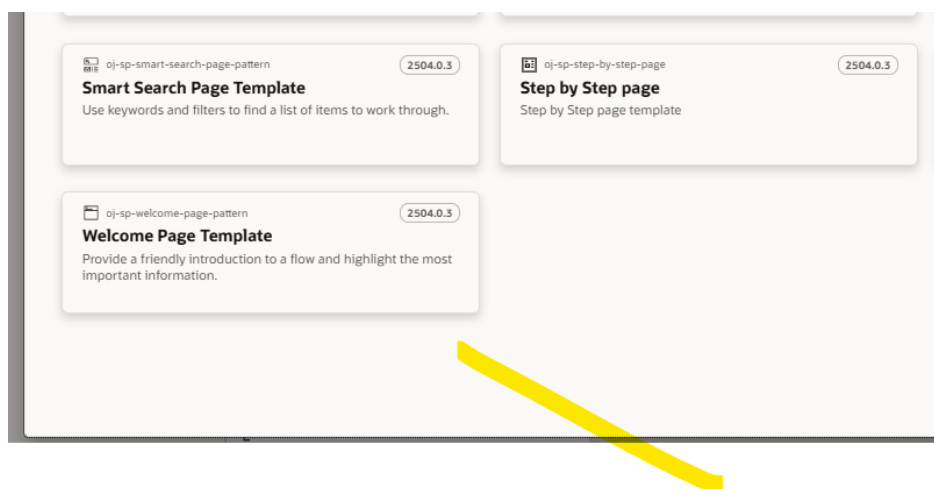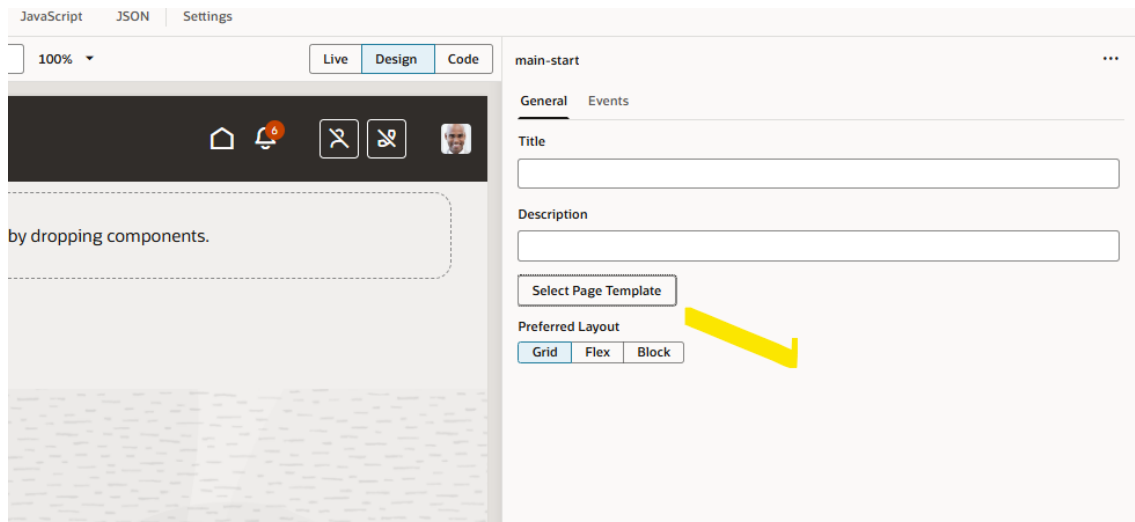x-scan_demo

Cancel   Create
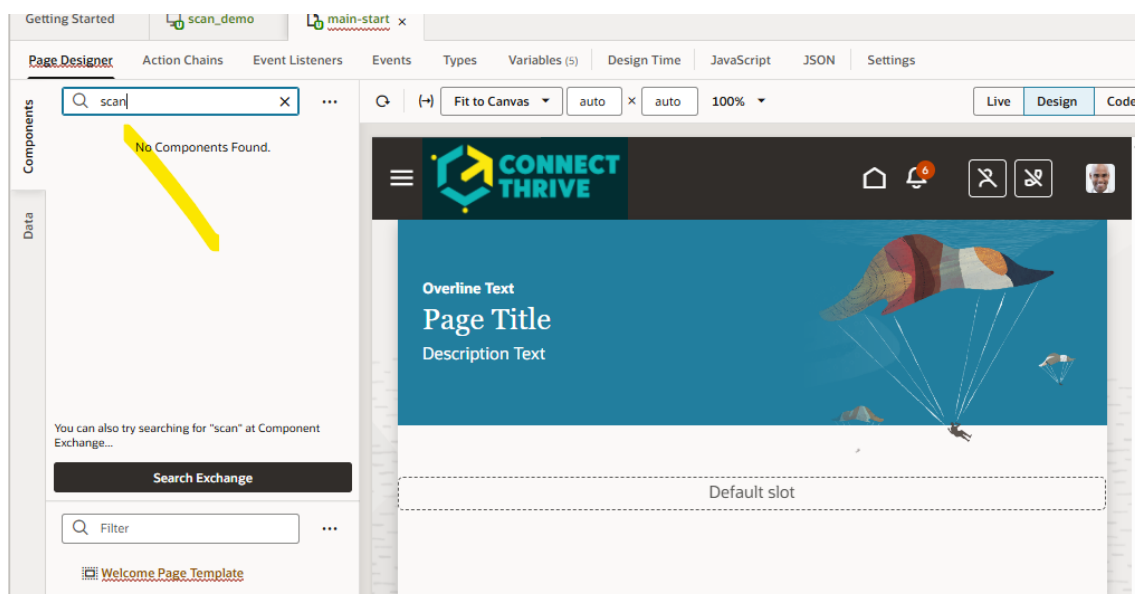
4

3. After opening.

Notice there is no "Barcode Scanner" component.

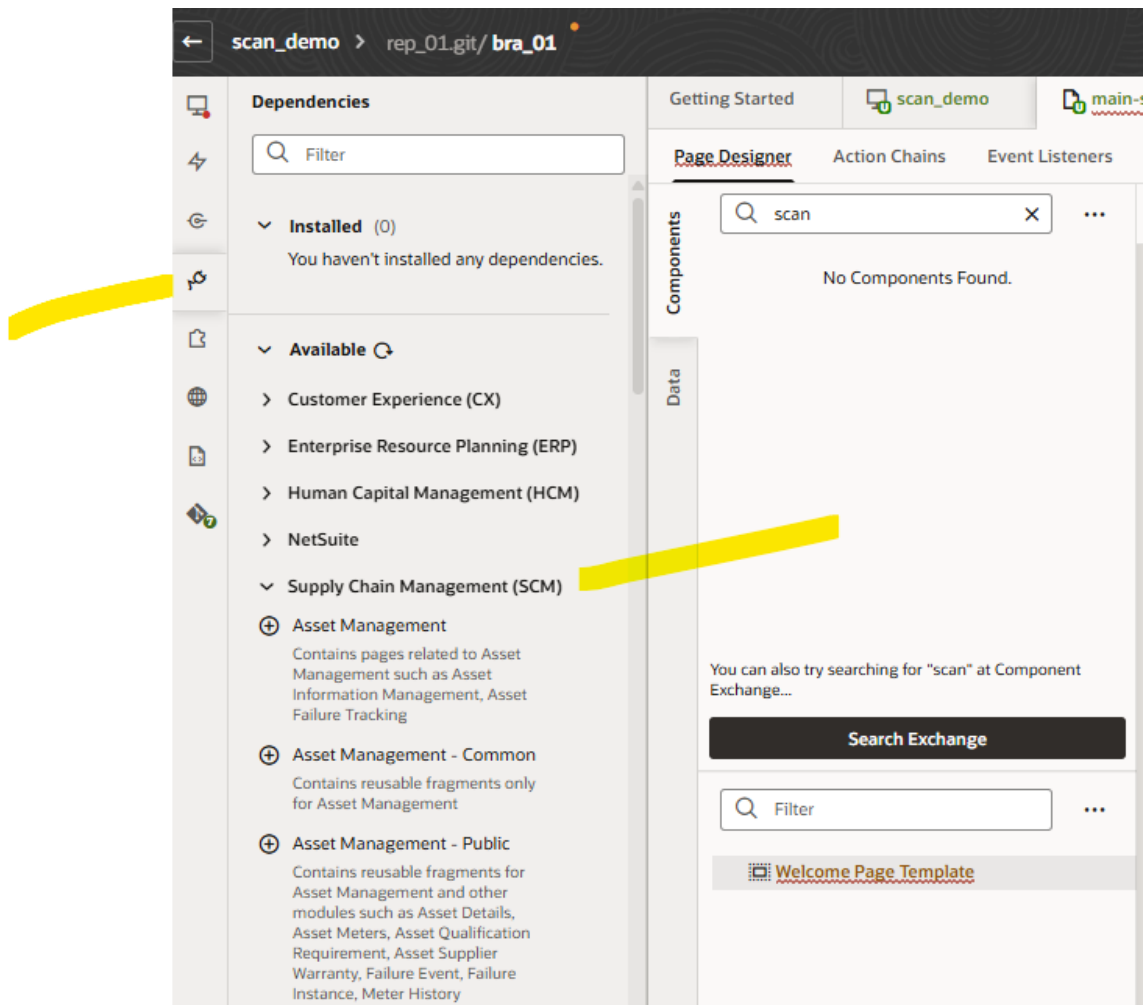Let's change template to Welcome Page Template.

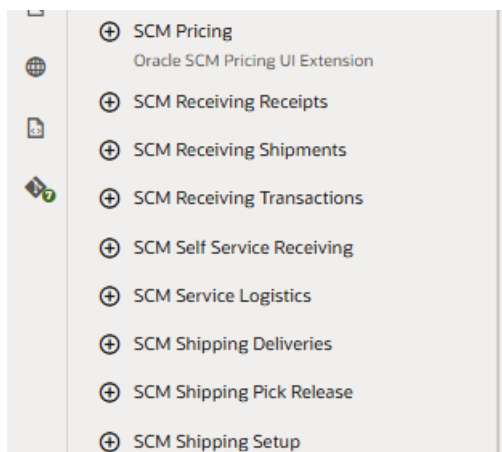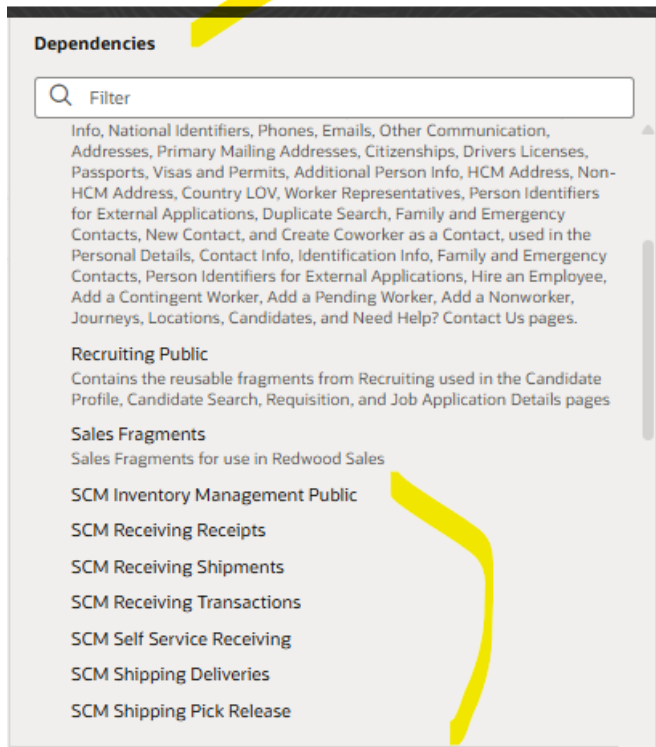No "Barcode Scanner" component yet.

4. How to get our component?

Navigate to Dependencies and select SCM.

Then add for example these.

Dependencies

Info, National Identifiers, Phones, Emails, Other Communication, Addresses, Primary Mailing Addresses, Citizenships, Drivers Licenses, Passports, Visas and Permits, Additional Person Info, HCM Address, Non-HCM Address, Country LOV, Worker Representatives, Person Identifiers for External Applications, Duplicate Search, Family and Emergency Contacts, New Contact, and Create Coworker as a Contact, used in the Personal Details, Contact Info, Identification Info, Family and Emergency Contacts, Person Identifiers for External Applications, Hire an Employee, Add a Contingent Worker, Add a Pending Worker, Add a Nonworker, Journeys, Locations, Candidates, and Need Help? Contact Us pages.

Recruiting Public
Contains the reusable fragments from Recruiting used in the Candidate Profile, Candidate Search, Requisition, and Job Application Details pages

Sales Fragments
Sales Fragments for use in Redwood Sales

SCM Inventory Management Public

SCM Receiving Receipts

SCM Receiving Shipments

SCM Receiving Transactions

SCM Self Service Receiving

SCM Shipping Deliveries

SCM Shipping Pick Release

No "Barcode Scanner" component yet.
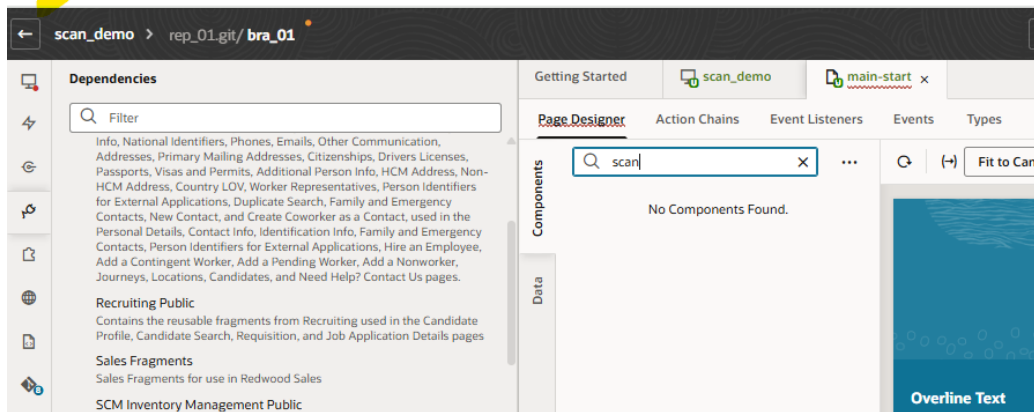
No Components Found.

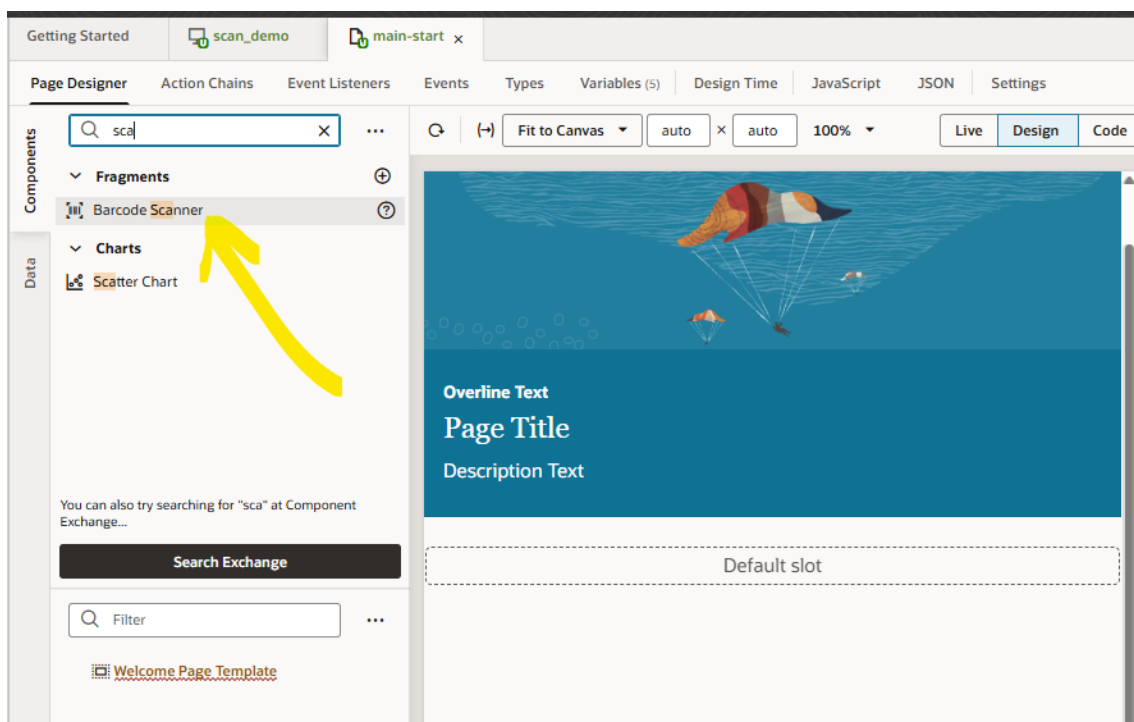You can also try searching for "scan" at Component Exchange...

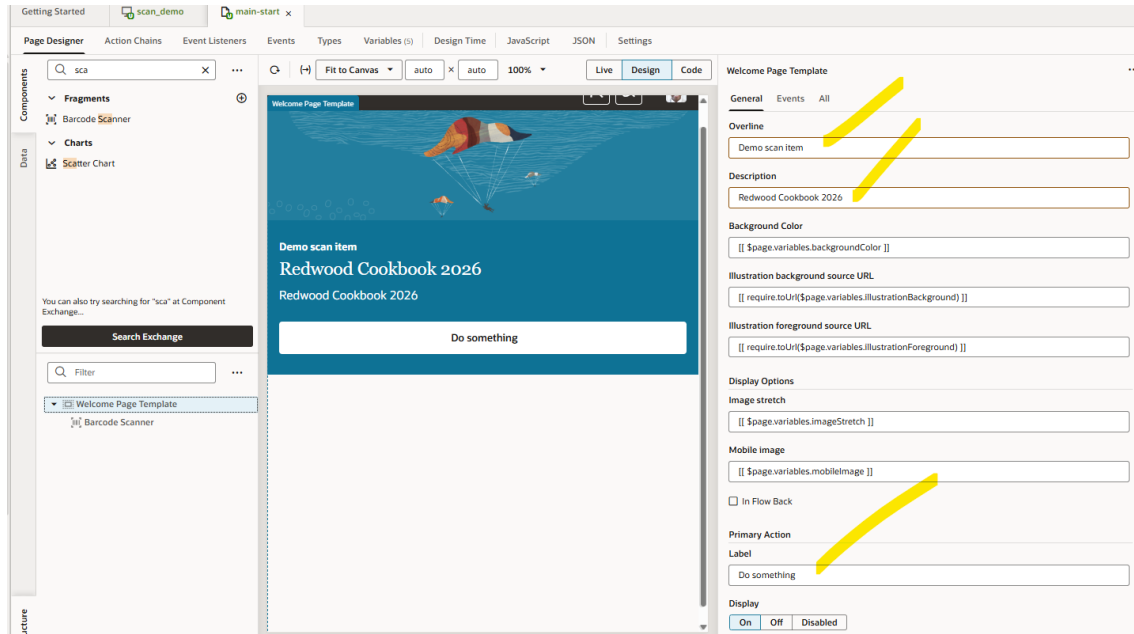Exit and enter Visual Builder.

8
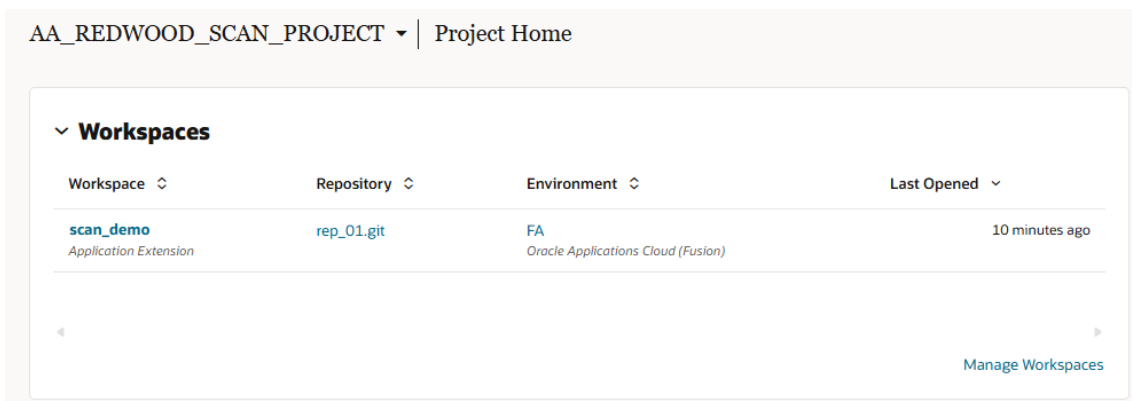
Some magic happened, thanks to Oracle Redwood developers and "Dependencies" feature, we have this nice component "out of the box" ready to use in our developments.

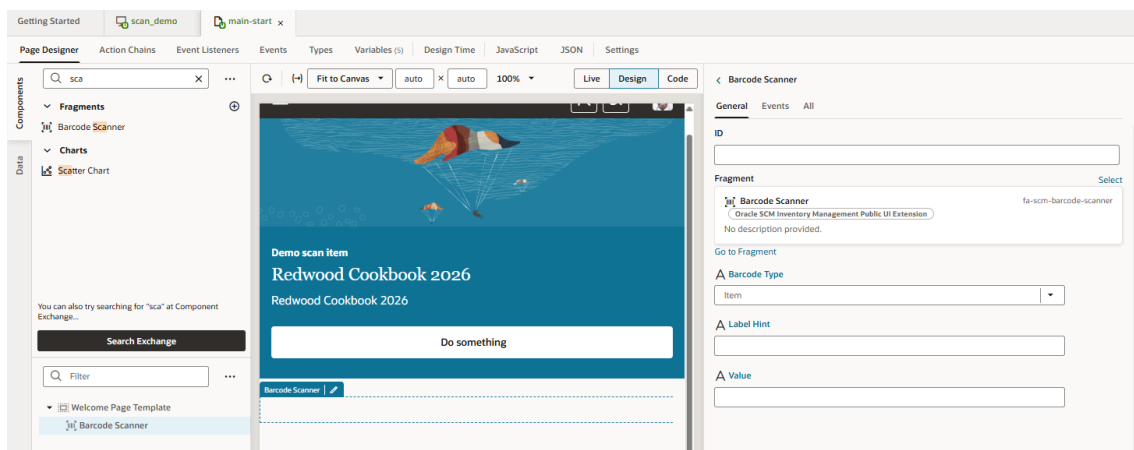No JavaScript libraries, no nothing needed, just use it.

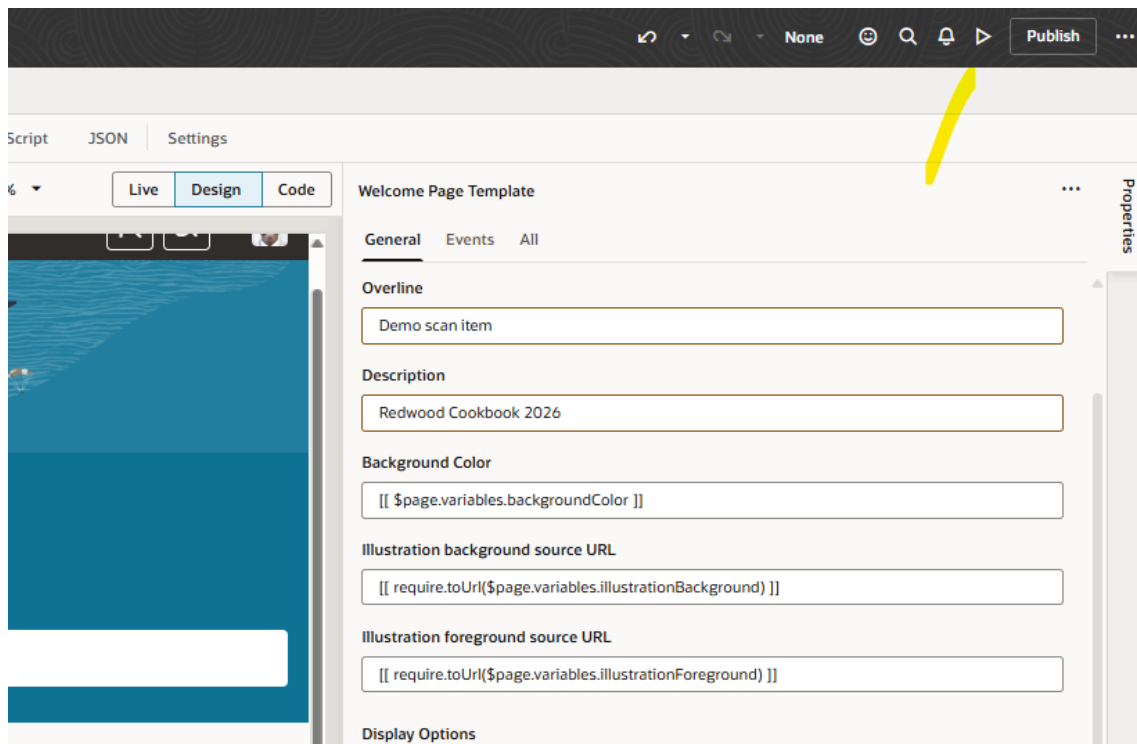5. We are ready to use the "Barcode Scanner" component.

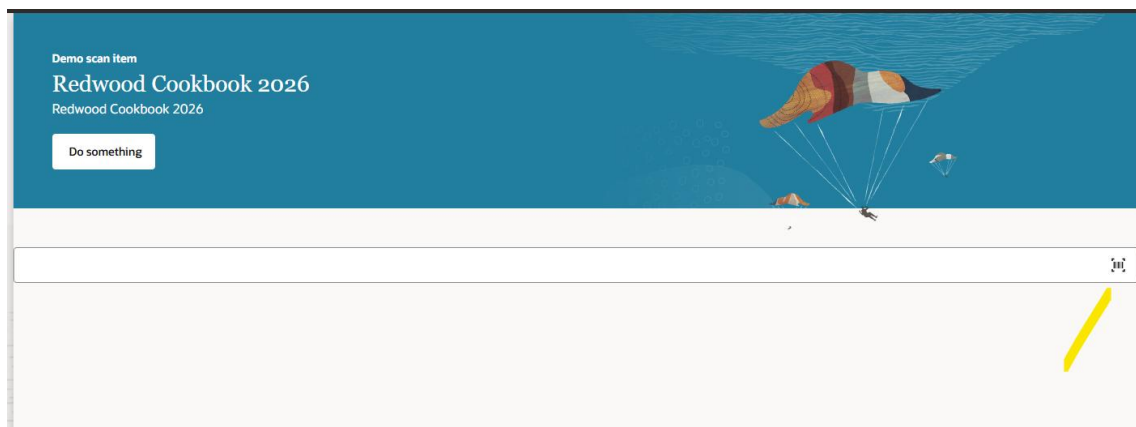Add a title to Welcome page and a label for primary action.

Then "drag and drop" the "Barcode Scanner" component and select Barcode Type as Item.
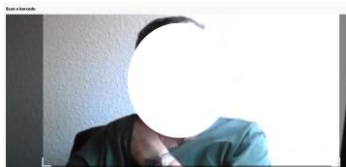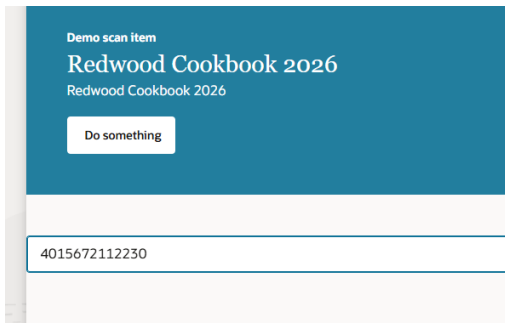

6. Ready to test in Preview

Click here.

And you will be able to scan yourself, not interesting thing for now…

You could try to scan a barcode with the camera, but it is not easy although it is possible.
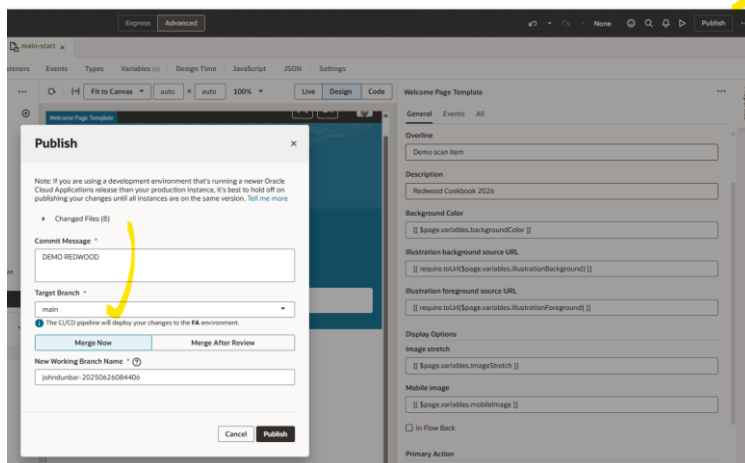
Now feel free to create a variable and link to our component in value property

7. How to test in mobile (or tablet)?

If you want to provide access to your users, you will have to publish your app (please, review other blogs or our books for this task).

A tip for publishing.

After publishing, get the URL (please, review other blogs or our books for this task) and provide it to your users or add it to SaaS using Sandbox.
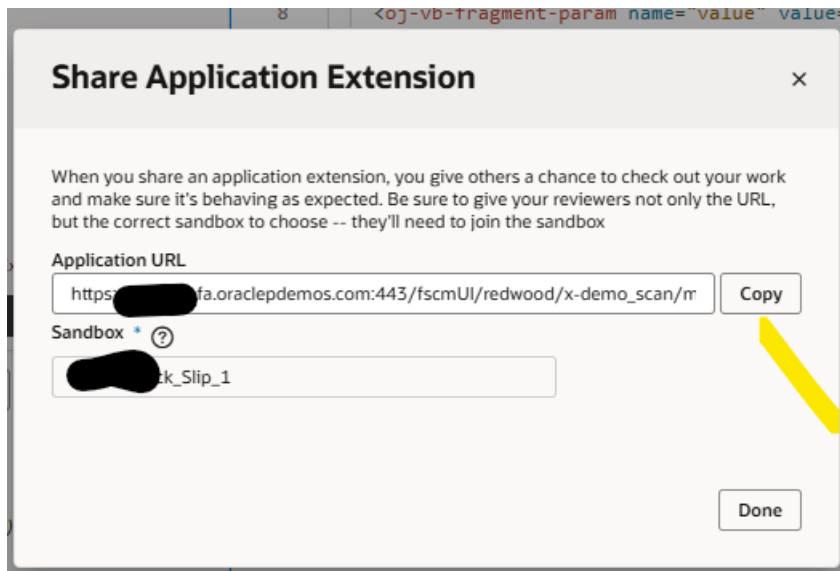
For testing what we do for now is send the URL to mail and open the page from mobile.

Another approach for quick test.

For a quick test we can use the "Share" feature, which does not need Publishing (search blogs to get more information about this nice feature).
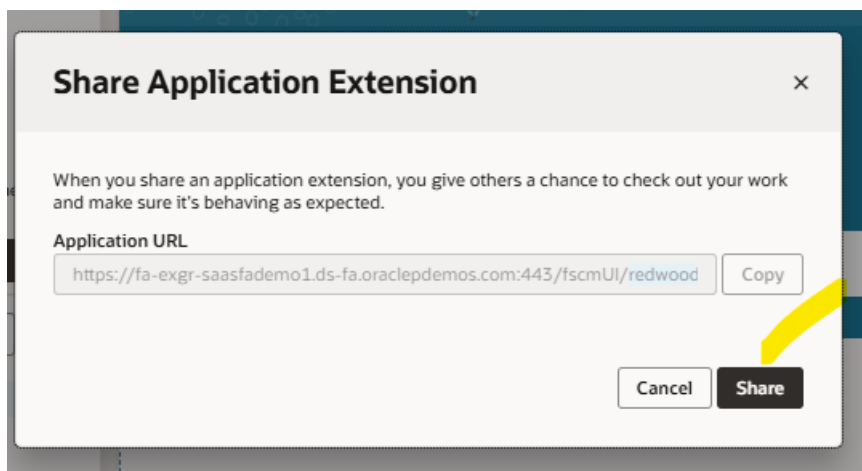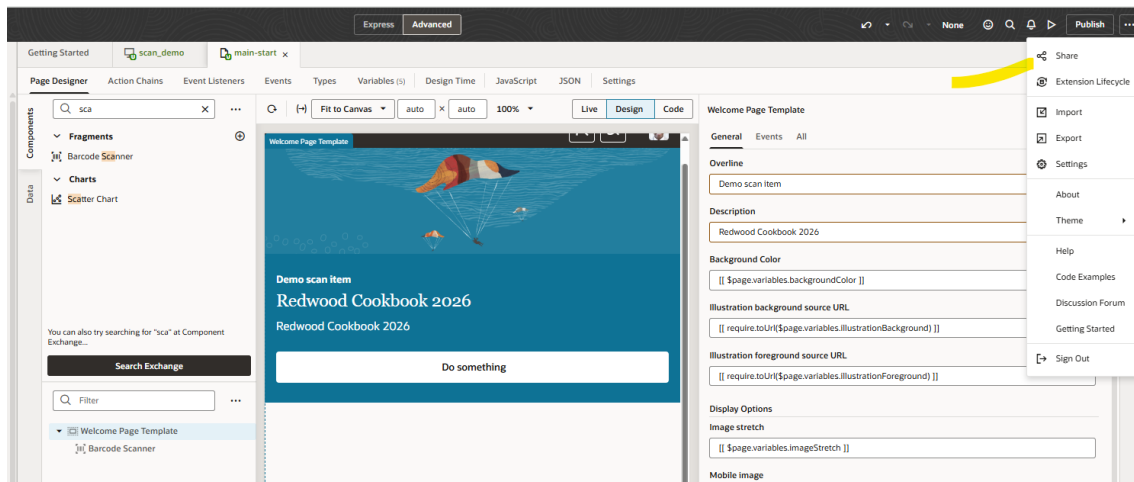
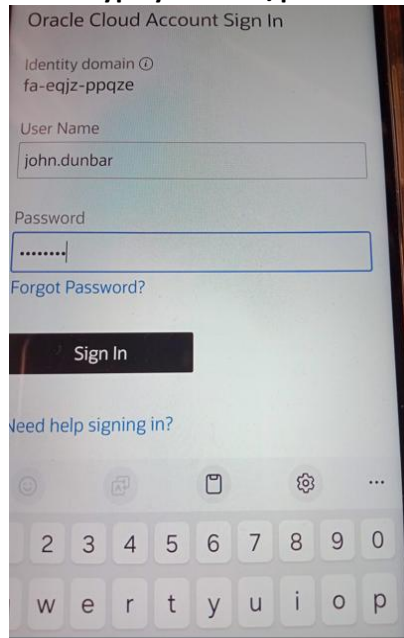A URL will be generated, copy and send to your mail or your user's.
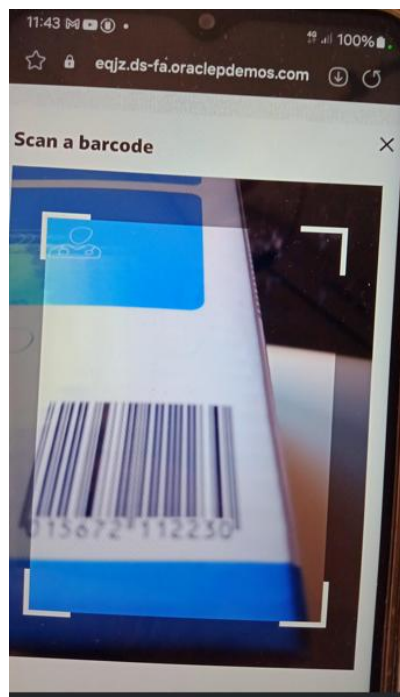

You will get something like this:

https://xxxx.ds-fa.oraclepdemos.com:443/fscmUI/redwood/x-demo_scan/main/main-start?vbdt%3ApreferExtensionVersion=%24vb_sb_none_751147d9688f1f70ad2720bb60030137
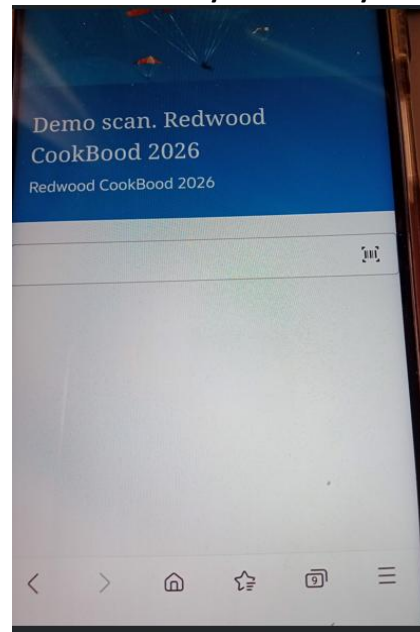
Open URL in mobile, and follow these steps.

Type your user/pwd

After a few seconds you will see your page

Focus on your barcode

And the field will be automatically filled with the barcode read.

Conclusion

We have been able to develop a basic application to scan a EAN13 item using a mobile device.

This achievement allow us to build pages to complete tasks for our users in a different optimized way using devices different from laptops.

Redwood Visual Builder responsive features will work for us "out of the box" to get the job done.

TO BE CONTINUED… (in the coming weeks, Part II).