

This application is from the ServiceNow Knowledge18 CreatorCon Session CCB0793: Flow Designer Enabling Low-Code Solutions: Mobile Inventory Scanner

"Developing a Mobile Phone application for your company's "Yearly Physical Inventory" can turn a nightmare of spreadsheets into a dream. Utilizing the power of Kingston's Flow Designer and the native Mobile UI, any level of Admin / Developer can build a barcode scanning and gps tagging powerhouse of automation."

Below you will find the steps (with screenshots) required to fully build this scoped application yourself.

1. Open Studio, and create an application called "Physical Inventory"



Create Application



Start from scratch

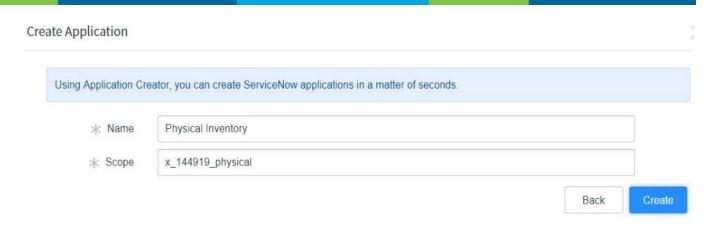
Create an empty application.

Start with a blank slate when building workflow, activity or API based apps and components.

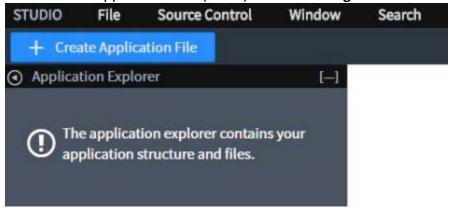
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Create

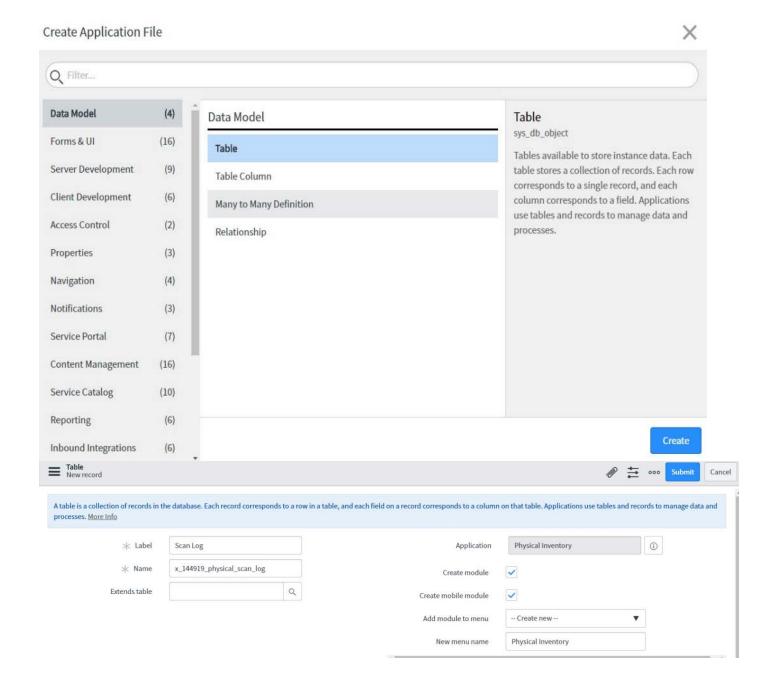




2. Create a new Application File. (Table) called Scan Log







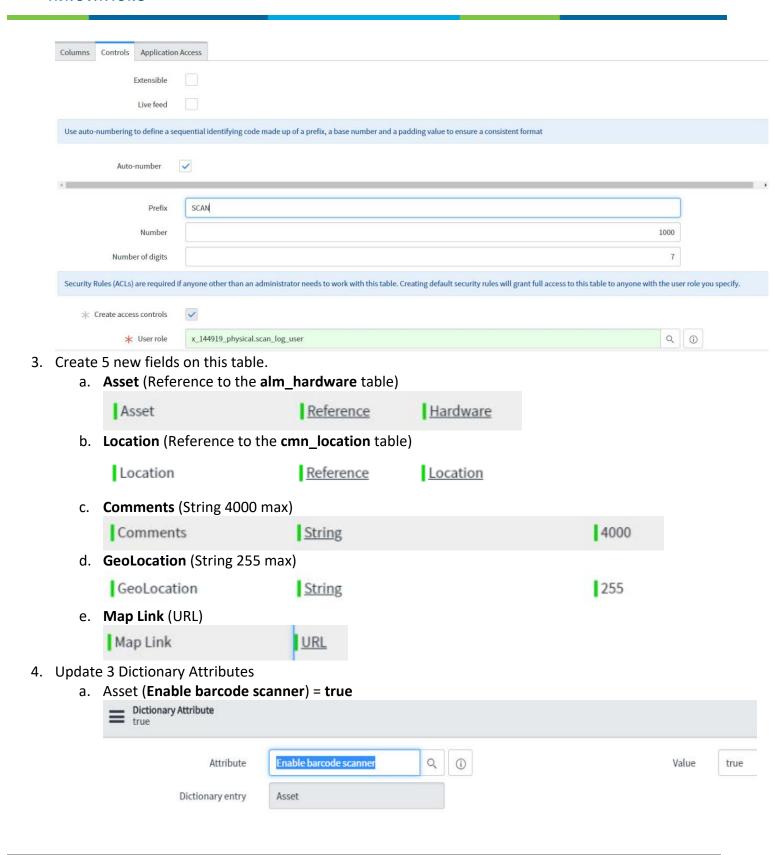






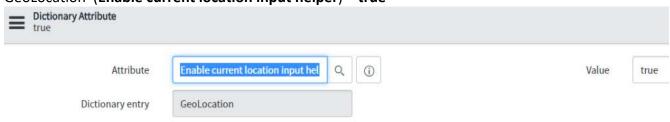




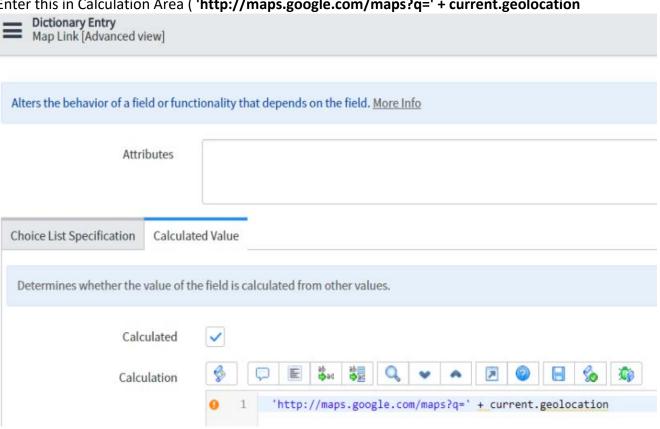




b. GeoLocation (Enable current location input helper) = true



c. Map Link (Click **Advanced**, Check **Calculated Box**)
Enter this in Calculation Area ('http://maps.google.com/maps?q=' + current.geolocation



- 5. Create a Mobile Client Script
 - a. Name: Submit Popup
 - b. Table: Scan Log
 - c. Type: On Submit
 - **d.** Script:

function onSubmit()

alert ("You have successfully submitted this record. You will now be re-directed to a new page to scan the next computer.");

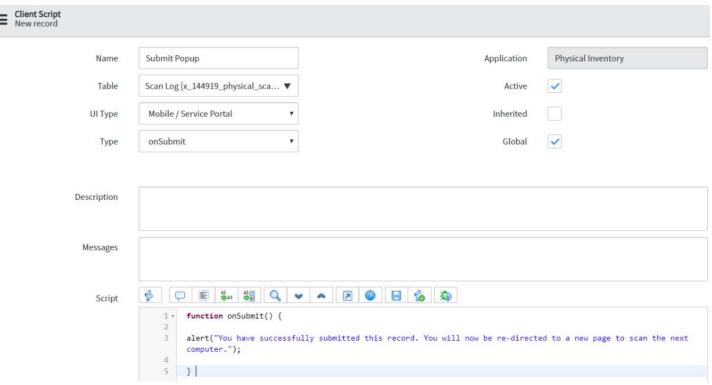












- 6. Create a Mobile UI Action
 - a. Name: Submit b. Action Name: save c. Table: Scan Log
 - d. Form Button: Checked
 - e. Condition: current.canWrite()
 - f. Script:

current.update();

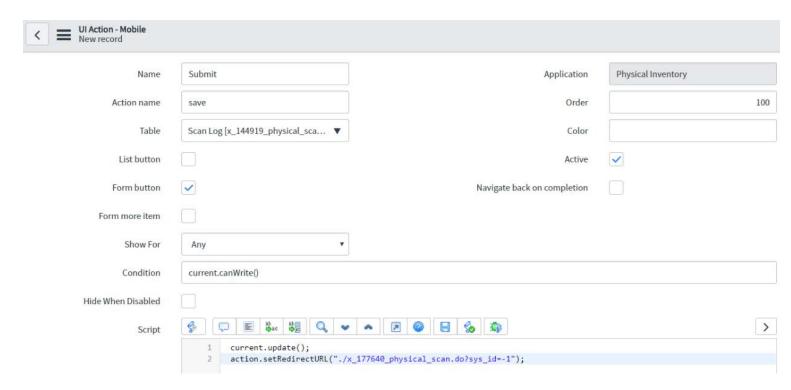
action.setRedirectURL("./x_177640_physical_scan.do?sys_id=-1"); (change to your scope)











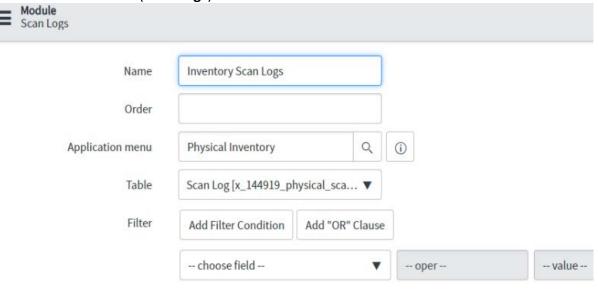
7. Create Desktop and Mobile Navigator Menu Entries



a. New Inventory Scan (Mobile Only) form/x_177640_physical_scan/-1

Name	New Inventory Scan		
Order	10		
Application menu	Physical Inventory	Q	(i
Table	Scan Log [x_144919_physical_scan_ ▼		
Filter	Add Filter Condition	Add "OR" Clause	
Path	form/x_144919_physical_scan/-1		

b. Inventory Scan Logs (Both) Rename the one titled (Scan Logs)















c. Scanned Assets - This Year (Both)

alm_hardware / Checked In on this Year. Module New record Scanned Assets - This Year Title Physical Inventory Application menu Q Order 200 Visibility Link Type Select the type of link for the module or select separator to create a horizontal line. The fields below change depending on your selection. List of Records Link type Hardware [alm_hardware] * Table View name scanner Filter Add Filter Condition Add "OR" Clause Checked in This year



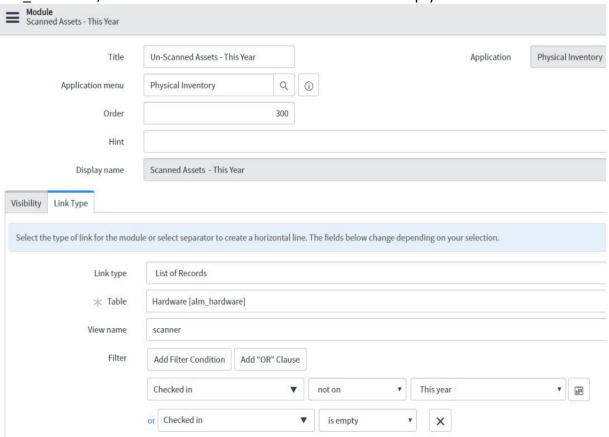




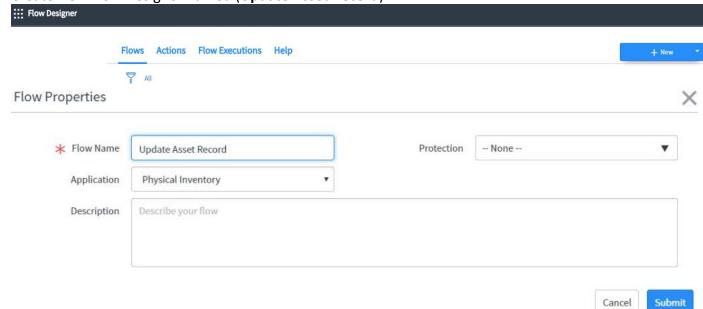


d. Un-Scanned Assets - This Year (Both)

alm_hardware / Checked In not on this Year or Checked in is Empty.



8. Create New Flow Designer named (Update Asset Record)





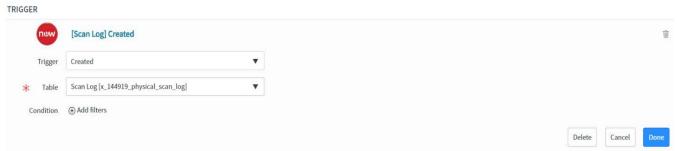




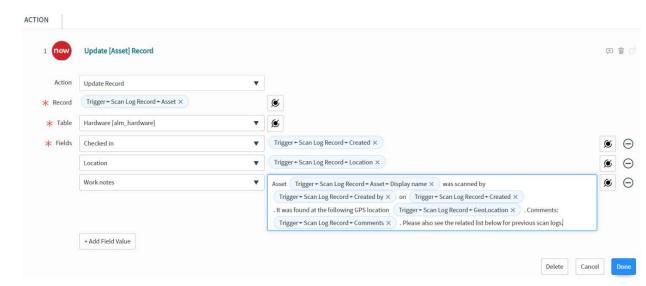




a. Trigger - New Record Created on the Scan Log Tabel



- b. Action Update 3 Fields on a Record on the alm_hardware table.
 - i. Checked In = Trigger's- Scan Created
 - ii. Location = Trigger's Scan Location
 - iii. Work Notes = Asset (ScanAsset) Was Scanned By (ScanCreatedBy) on (ScanCreated) It was found at the following GPS Location (ScanGeoLocation) It had these comments (ScanComments) Please see the related list below for previous scan logs.



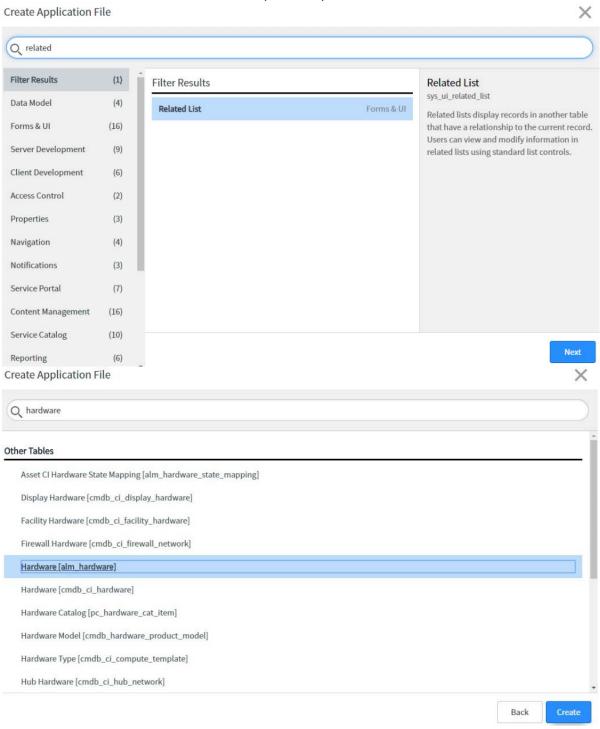
9. Save and Activate the Flow.







10. Create a Related list with a view named (scanned).





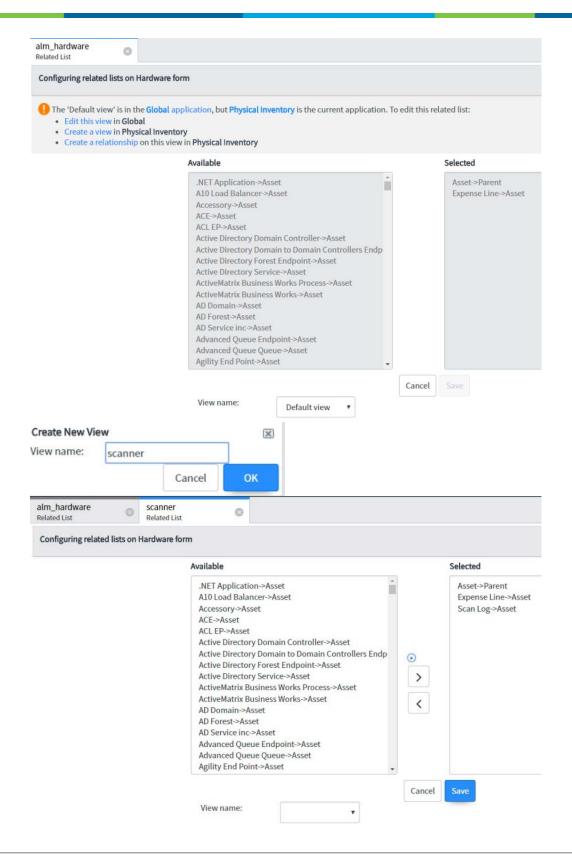














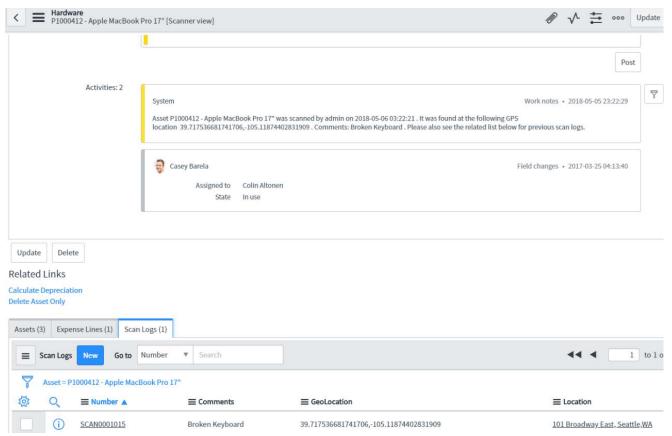












(Final result from the executed flow showing work notes and new related list)

You have now built this application and can use it in your instance.

Please contact casey.barela@nuaxis.com with any questions.