VBCS Training Lab
Pagination, Sorting, and Filtering
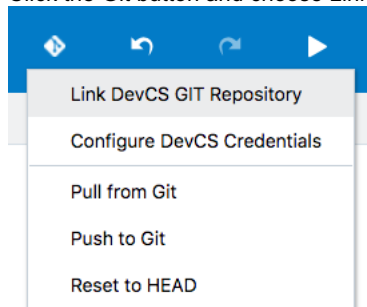
Introduction

In this lab, we will add pagination, sorting, and a filter bar to the list of Service Requests

Hands on Lab Instructions

Updating the Project to

1. Click the Git button and choose Link DevCS Git Repository

2. Click Edit Link
3. In the Branch Selection field, select pagination.
4. Click Save Configuration
5. Click the Git button and choose Reset to HEAD
6. Reload your browser

Setting Pagination on the List

Most modern UIs use Load More on Scroll pagination rather than a list of pages with next and previous buttons. Also, note that FA REST APIs have their own "limit" and "offset" URL parameters that are visible in VBCS. We are going to leave those alone and let the component drive the pagination through the scroll-policy-options.fetch-size property on the list view.

1. Open main-start
2. Select the list of accounts. In the All tab of the Property Inspector, set the following:
   • scroll-policy: loadMoreOnScroll
   • scroll-policy-options.fetch-size: 10
   • style: height:100vh;

Adding a Sorting Control

1. Open the Page Designer for main-start.
2. Drop a Select One component in the Toolbar next to the Create/Edit/Details buttons
3. Set the display text to Sort By:
4. In the Data tab, manually add these options:
   • Title: Title
   • Status: StatusCd
5. In the All tab, enter an empty space (" ") in Placeholder
6. Switch to the Variables panel and select serviceRequestsListServiceDataProvider

7. Open the mapper for Input Parameters and enter an empty string ("") in the sortCriteria > items[i] > attribute.
8. Go back to the Page Designer and select the Select One component in the Toolbar
9. In the Data tab of the Property Inspector, set the Value to {{ $page.variables.serviceRequestsListServiceDataProvider.sortCriteria[0].attribute }}

Adding a Filter to the List

1. Open the Page Designer for main-start
2. Drop an Input Text component in the Toolbar next to the Sort select one component.
3. Change the display text to Filter:
4. Select the input component. In the All tab of the Property Inspector, set the Placeholder to "Title"
5. Switch to the Variables panel and select serviceRequestsListServiceDataProvider
6. Open the mapper for Input Parameters and set the following in filterCriterion:
   - op: "$or"
   - attribute: "Title"
   - op: "$co"
   - value: ""
7. Go back to the Page Designer panel.
8. Select the input text component. In the Data tab of the Property Inspector map the field to {{ $page.variables.accountsListServiceDataProvider.filterCriterion.criteria[0].value }}