

VBCS Lab

Building Your First Application

Introduction

In this lab we will use Quickstarts to create a list of Service Requests along with a Create page and an Edit Page.

Hands on Lab Instructions

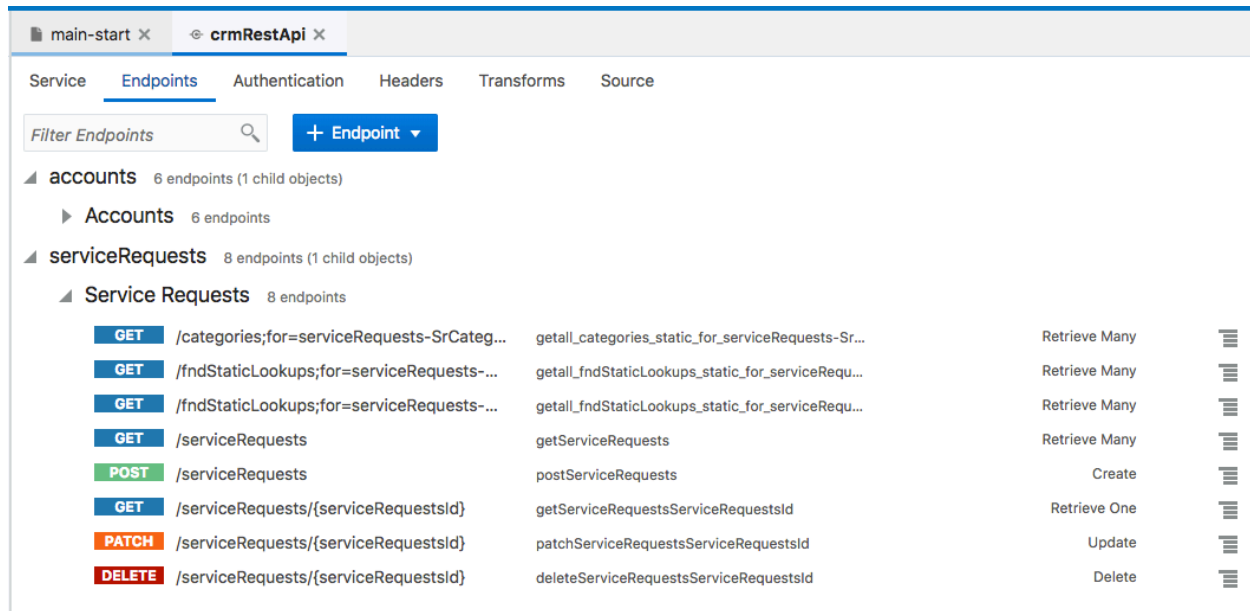
Checking Out the Project

1. Click Import > Import from Git
2. Click Add Credentials
3. Enter <https://developer.em2.oraclecloud.com/developer20509-cloud01/> for the DevCS URL and your username and password. Click Finish
4. Enter the following information:
 - DevCS URL with Credentials - <https://developer.em2.oraclecloud.com/developer20509-cloud01/>
 - Project Selection - VBCS Training
 - Repository Selection - crmCrud.git
 - Branch Selection - basicCrud
 - Application Name - Basic Crud *yourName*
 - Application ID - accept default
5. Click Import.

Registering REST APIs

The application already contains the /accounts endpoints from the crmRestApi REST Service. We are going to add the /serviceRequests endpoints to this connection.

1. Click the Service Connections panel and click crmRestApi to open the editor.
2. Click the Endpoints tab. Then click + Endpoint > From Original Service. Add all of the following:
 - GET /serviceRequests
 - POST /serviceRequests
 - GET /serviceRequests/{serviceRequestId}
 - PATCH /serviceRequests/{serviceRequestId}
 - DELETE /serviceRequests/{serviceRequestId}
 - GET /categories;for=serviceRequests-SrCategoryLOV
 - GET /findStaticLookups;for=serviceRequests-SeverityCdLookup
 - GET /findStaticLookups;for=serviceRequests-StatusTypeLookup



Adding the List

1. Create a new flow called servicerequests
2. Open servicerequests-start in the Page Designer. Refresh your browser (known bug workaround)
3. Drop a List View onto the page
4. Add Data > Service Connections > crmRestApi > Service Requests > GET /serviceRequests. Click Next.
5. Choose Custom, click Next.
6. Enter these fields:
 - SrNumber
 - Title
 - StatusCd
 - CreationDate
7. Set the Item ID Attribute to SrNumber. This is important as the QuickStart incorrectly guesses the ID Attribute and this will cause your app to fail later.
8. Next and Finish

Adding the Create Page

Now we will generate the Create page. Then we will fix up the UI generated by the Quickstart. Specifically, we are going to delete the Problem Description simple Input Text Field and replace it with an Input Text Area. You may be asking, why do I add a Problem Description field if I'm just going to delete it again? Why not generate the form without it and then add the field? The reason is that we want the Quickstart to generate the Type with the ProblemDescription field so it's fetched in the REST call. We could edit the Type to add ProblemDescription after it's been generated, but this is simpler.

1. Select the List View in the Page Designer.
2. In the QuickStart tab of the Property Inspector, click Add Create Page
3. POST /serviceRequests and click Next
4. Add these fields:
 - Title
 - Problem Description

- CategoryId
5. Finish and open Create Page
 6. Change display name for CategoryId to just Category
 7. Delete the ProblemDescription field. Add an Input Text Area field.
 8. In the General tab of the Property Inspector, set the Text Area's display label to Problem Description.
 9. In the Data tab, set the value to `$page.variables.serviceRequests.ProblemDescription`

My Application

Create Service Request

* Title

Problem Description

Category

Cancel

Save

Adding the Edit Page

Like with the Create Page, we are going to edit this page after it's been created. Note we can use variables and expressions anywhere, including in the `<h1>` title of the page.

1. Go back to `servicerequests-start` tab in the editor.
2. Select the list then open the QuickStarts tab of the Property Inspector. Click Add Create Page
3. Accept the default GET and PATCH `/servicerequests` endpoints
4. Add these fields:
 - SrNumber
 - Title
 - ProblemDescription
 - CategoryId
 - StatusCd
 - SeverityCd
 - AccountPartyName
 - CreatedBy
 - CreationDate
5. Finish and open Edit Page
6. Delete the SrNumber field.
7. Click the Heading and change the text to `{{ "Service Request " + $page.variables.serviceRequestsRecord.SrNumber }}`
8. Replace the Problem Description Input Text Field with a Text Area as described above.
9. Fix the display names of the other fields.
10. Select the `<oj-form>` component and in the Property Inspector set Max Columns to 2

Service Request SR0000012019

* Title New Inspection

Account ABCO

Problem Description Inspection request2

Category WEB Contact ▼

Status ORA_SVC_NEW

Created On 03/15/18 06:15 PM

Severity Low ▼

Created By fred@abco.oraclecloud.com

Toolbar

Cancel

Save