VBCS Lab
Security and Role-Based UI

Introduction

In this lab we will add some role-based UI based on groups in IDCS. Roles are set up at the Project level and not on individual Web or Mobile Applications. They map to groups in IDCS, which in turn must map to groups in FA that have data security permissions set up. For example, you may have a group in FA called ServiceReps that has access to the serviceRequests REST API. You would then duplicate that group in IDCS. Then you would create the Role in VBCS that maps to the group and set up dynamic UI based on this role.
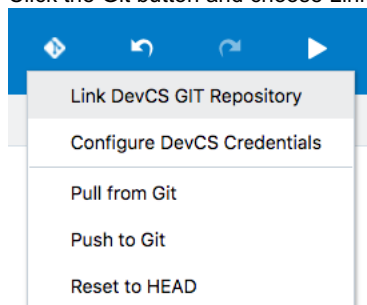
In this lab we will:

- Set up a project role based on the Students role

- Make the contents of the CreateServiceRequest page invisible to Students and show an error message instead

- Hide the button to navigate to the CreateServiceRequest page from Students.

Hands on Lab Instructions

Updating the Project

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

2. Click Edit Link
3. In the Branch Selection field, select *pagination*. (We will just reuse the *pagination* branch for this exercise.)
4. Click Save Configuration
5. Click the Git button and choose Reset to HEAD
6. Reload your browser

Setting Up the Role

1. Open Project Settings in the top-right of the application window.
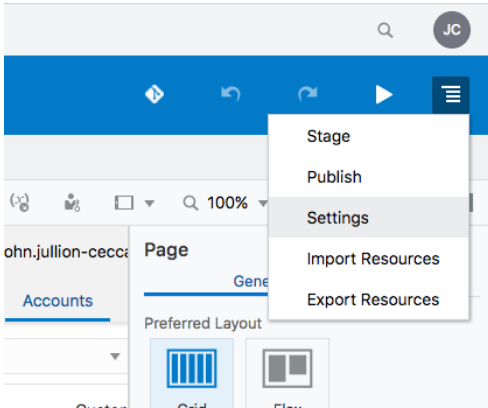
2. Click User Roles. Then click Add Role.
3. Enter following information:
   • Role: Student
   • Mapping: Students
4. Click the check box on the right. The Role switches to read-only mode.
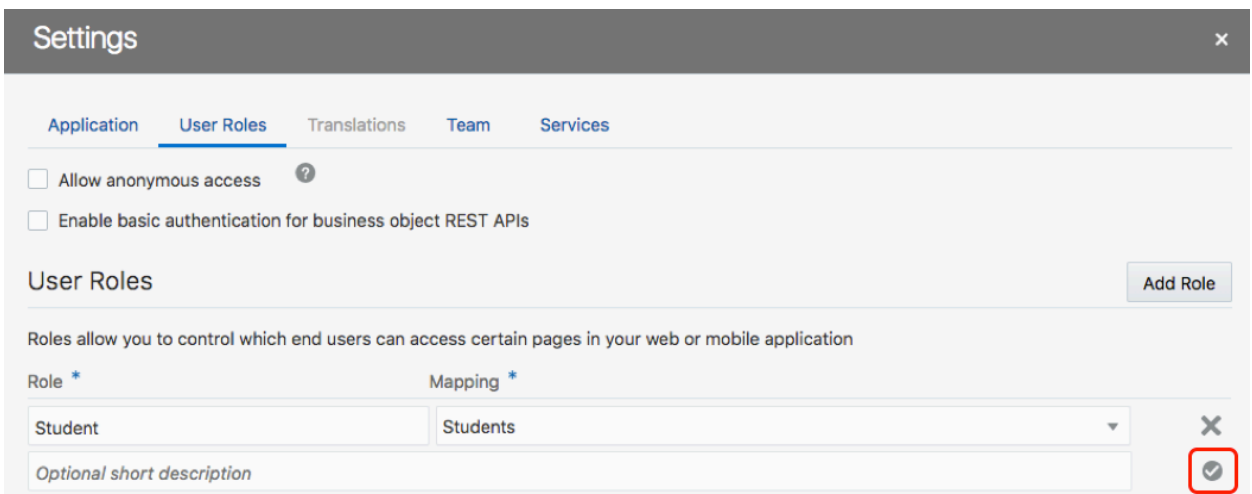
5. Click Close to close the Settings dialog.

Role-Based View Restrictions on a Page
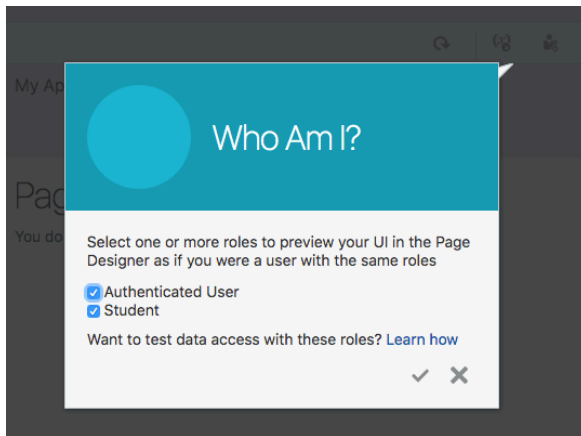
1. Open the CreateServiceRequests page.
2. In the Page Designer, click the Code button to switch to Code view.
3. Enter the following <oj-bind-if> statement on the first line of the file:

   <oj-bind-if id="StudentTestFalse" test="[[!$application.user.roles.Student]]">

4. Enter the following at the bottom of the file:

```
</oj-bind-if>
<oj-bind-if id="StudentTestTrue" test="[[$application.user.roles.Student]]">
        <div class="oj-flex">
          <h1 id="h1--1328981517-1" class="oj-flex-item oj-sm-12 oj-md-12">Page Not Visible</h1>
        </div>
        <div class="oj-flex">
          <p id="p--1328981517-2" class="oj-flex-item oj-sm-12 oj-md-12">You do not have permissions
        to view this page.</p>
        </div>
</oj-bind-if>
```

5. Click the Code button again to switch back to the Page Designer. You should see the error.

6. Use the Who Am I button to turn the Student role on and off and see the dynamic UI in action.

Hiding the Navigation Button

1. Open servicerequests-start and click the Code button to switch to the Code view.
2. Surround the Create Service Request with an <oj-bind-if> as follows (only enter the text in bold):

   <oj-bind-if id="StudentTest" test="[[!$application.user.roles.Student]]">
           <oj-button id="oj-button-1254012100-1"
            on-click="[[$page.listeners.createServiceRequestsButtonClicked]]">Create Service Request</oj-button>
   </oj-bind-if>

3. Click the Code button again to switch back to the Page Designer. Test the condition using the Who Am I button.