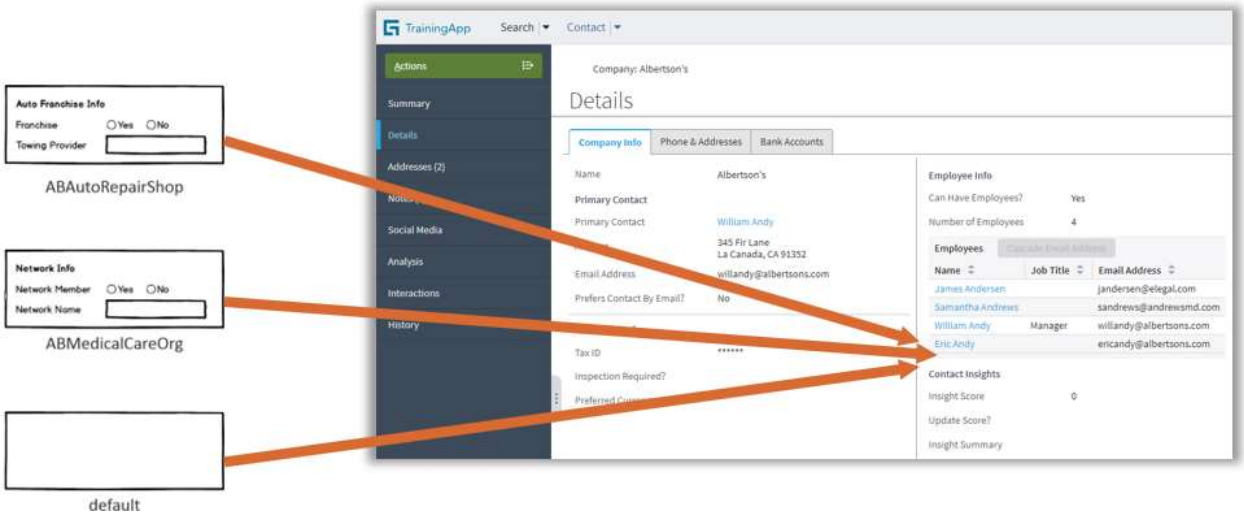
Lesson 10 **Modes**

“An insurance company has additional "Specialty Info" details for ABAutoRepairShop contacts and ABMedicalCareOrg contacts that the current user interface does not display. In each case, the Company Info card should display these fields below Employees list. See the wireframe for more details.” – Insurance company business analysts



As a configuration developer, you want to be able to create and reference modal container sets, so you can design different variations for a small part of a screen. In this lab, you will create several modal Input Sets.

10.1 Prerequisites

For this lab, use TrainingApp, Guidewire Studio, and a supported web browser. `http://localhost:8880/ab/ContactManager.do` is the default URL for TrainingApp. To view, edit, and delete various contacts, log in to TrainingApp as Alice Applegate. The login/password for Alice Applegate is `aapplegate/gw`.

10.2 Lab: Create a set of modal Input Sets

In this part of the lab, you will create a set of modal Input Sets, each of which has an ABContact root object, in the traininglabs PCF Folder. Remember, every PCF file in the set must have the same name, same type and same required variable list.

1. **Create SpecialtyInfoInputSet.default.pcf :**

    a) Create Input Set in the `traininglabs` folder and specify the mode “default”

b) Specify a root object of the type ABContact

c) This input set needs no widgets and should be empty

2. **Create the SpecialtyInfoInputSet.ABAutoRepairShop.pcf for ABAutoRepairShop contacts :**

a) Create Input Set in the `traininglabs` folder and specify the mode “ABAutoRepairShop”

b) Specify a root object of the type ABContact

c) Add the following widgets:

d) A label widget that displays “Auto Franchise Info”

e) An editable input widget labeled “Franchise” that displays ABAutoRepairShop’s IsFranchise field

f) An editable input widget labeled “Towing Provider” that displays ABAutoRepairShop’s TowingProvider field

3. **Create the SpecialtyInfoInputSet.ABMedicalCareOrg.pcf for ABMedicalCareOrg contacts :**

a) Create Input Set in the `traininglabs` folder and specify the mode “ABMedicalCareOrg”

b) Specify a root object of the type ABContact

c) Add the following widgets:

- A label widget that displays “Network Info”
- An editable input widget labeled “Network Member” that displays ABMedicalCareOrg’s IsMemberOfNetwork field
- An editable input widget labeled “Network Name” that displays ABMedicalCareOrg’s NetworkName field

4. **Use Studio’s code generation feature to process the PCF file and generate all the resources**

a) If possible, use incremental code generation

b) Verify that there were no errors during code generation

c) Verify that you can see generated resources (.gs, .pcfc, Expressions.gs)

Hint

Configuring input widgets

Remember, you will have to select a specific input widget based on the data type of the field. You can always use the Data Dictionary, the generated Java class, and the widget reference table to find out the name, database type and Gosu type of the field that needs to be displayed.

Hint

Required variables vs variables

The required variables tab defines the input parameters for a container, while the variables tab defines local variables to store values temporarily. (E.g. storing the result of an expensive function call to use it at multiple places in the PCF)

10.3 Lab: Reference the set of modal Input Sets

In this lab, you will reference the set of modal Input Sets.

1. **Add a reference to the modal container set on the Details screen's Company Info card directly under the Employees list.**

   a) Navigate to a company contact’s Details screen

   b) Open the PCF file in Studio

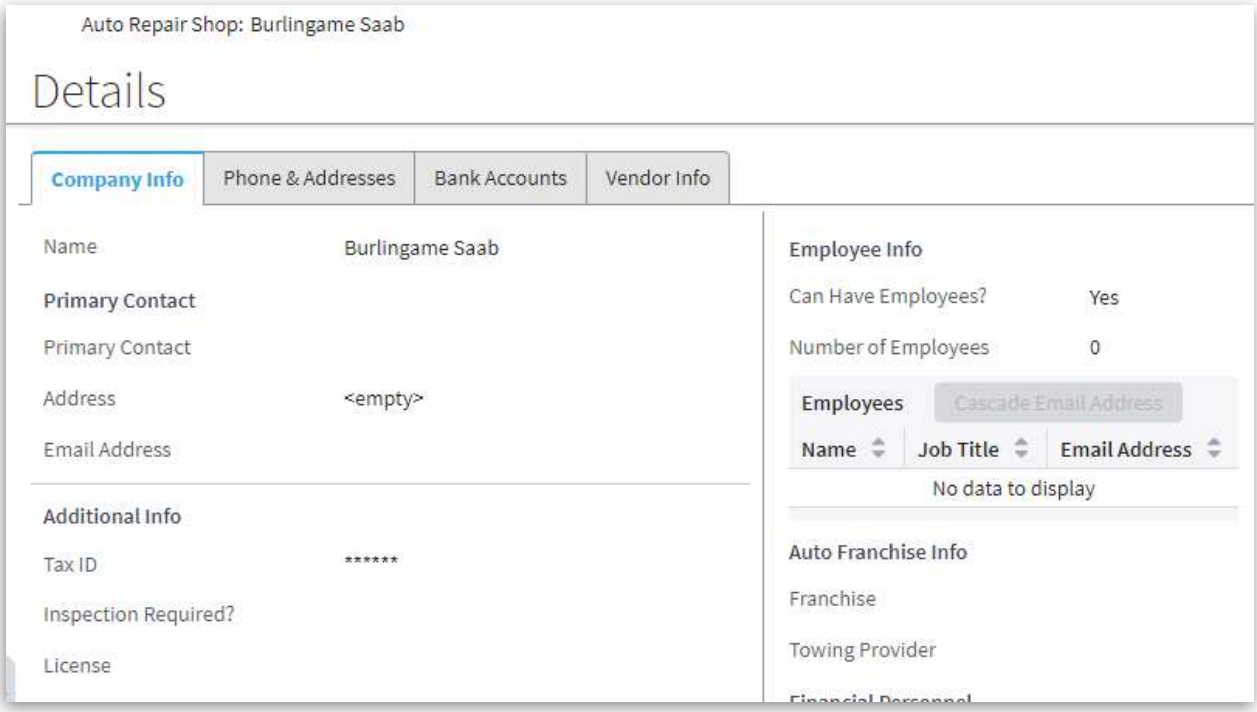
   c) Add the Input Set Ref widget below the Employees list in the correct PCF file

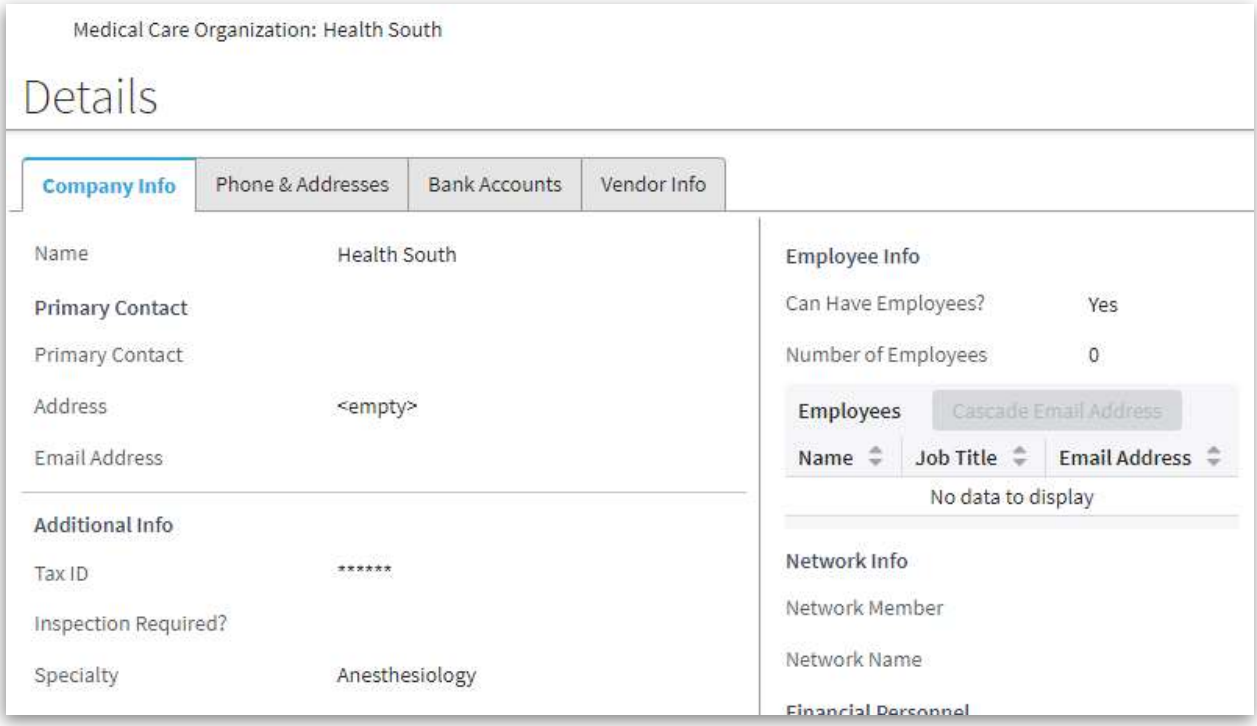
10.3.1 Verification

Activity

Verify the work you have done

1. **Log in to TrainingApp as Alice Applegate**
2. **Use the appropriate shortcut to deploy the changes**
3. **Navigate to the Details screen of an ABAutoRepairShop (e.g. Burlingame Saab) contact and verify that the "Auto Franchise Info" is displayed**
4. **Navigate to the Details screen of an ABMedicalCareOrg (e.g. Health South) contact and verify that the "Network Info" is displayed**
5. **Navigate to the Details screen of a contact that is neither ABAutoRepairShop nor ABMedicalCareOrg (e.g. Alberson's). Verify that the default Input Set is displayed.**



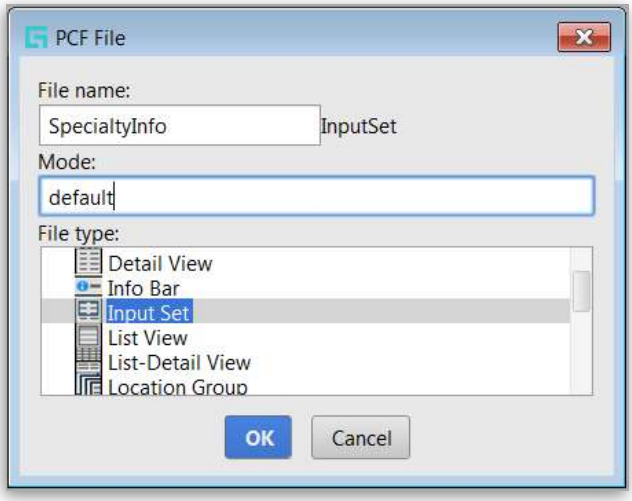

Medical Care Organization: Health South
Details
Company Info
Phone & Addresses
Bank Accounts
Vendor Info
Name
Health South
Primary Contact
Primary Contact
Address
<empty>
Email Address
Additional Info
Tax ID
******
Inspection Required?
Specialty
Anesthesiology
Employee Info
Can Have Employees?
Yes
Number of Employees
0
Employees
Cascade Email Address
Name
Job Title
Email Address
No data to display
Network Info
Network Member
Network Name
Financial Personnel

10.4 Lab Solution: Create a set of modal Input Sets

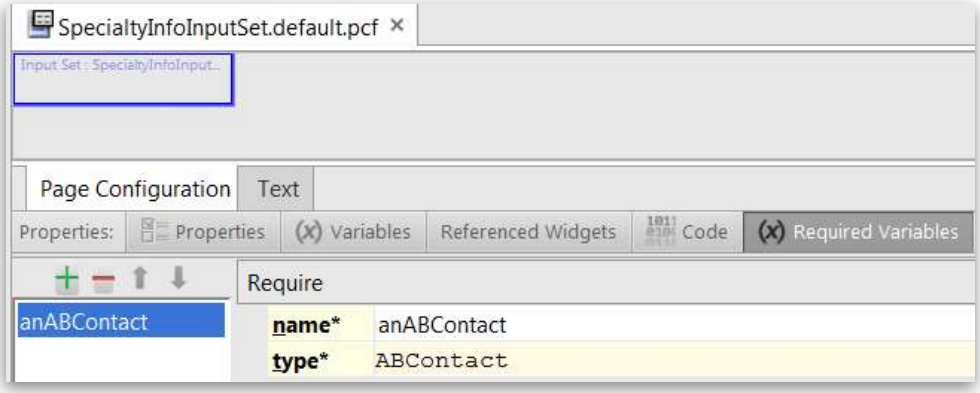
Solution

Exact details on how to complete the lab.

1. **Create `traininglabs` PCF folder if it doesn't exist**
2. **Create the default Input Set**
3. **Create the PCF file**

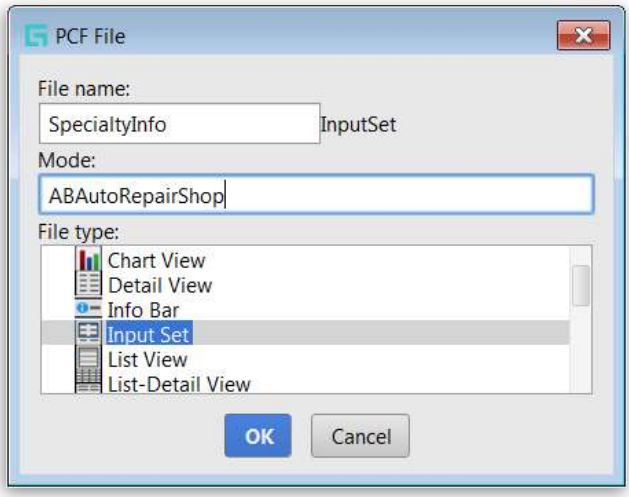


a) Specify the root object

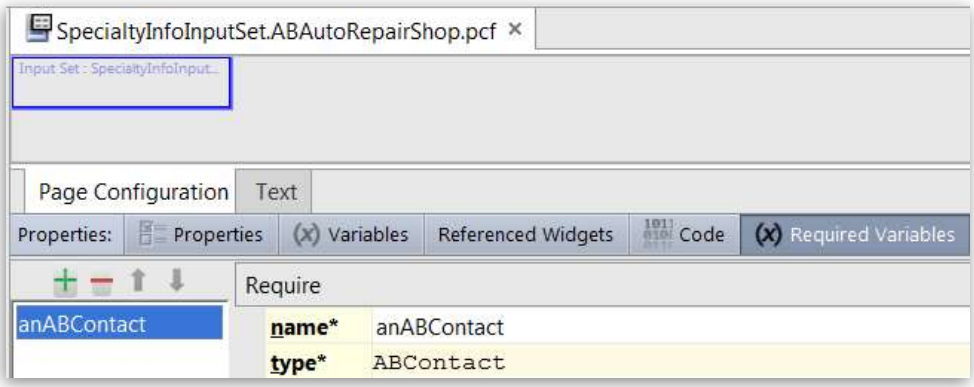


4. Create the Input Set for ABAutoRepairShop contacts

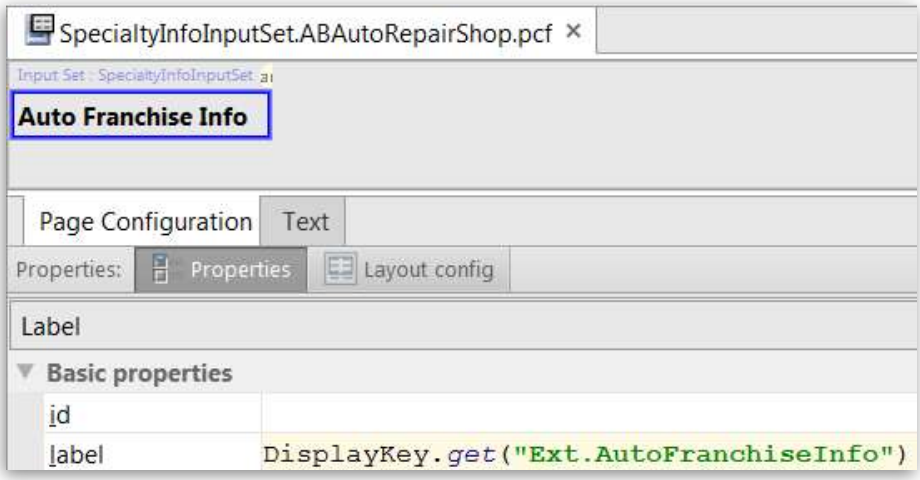
a) Create the PCF file

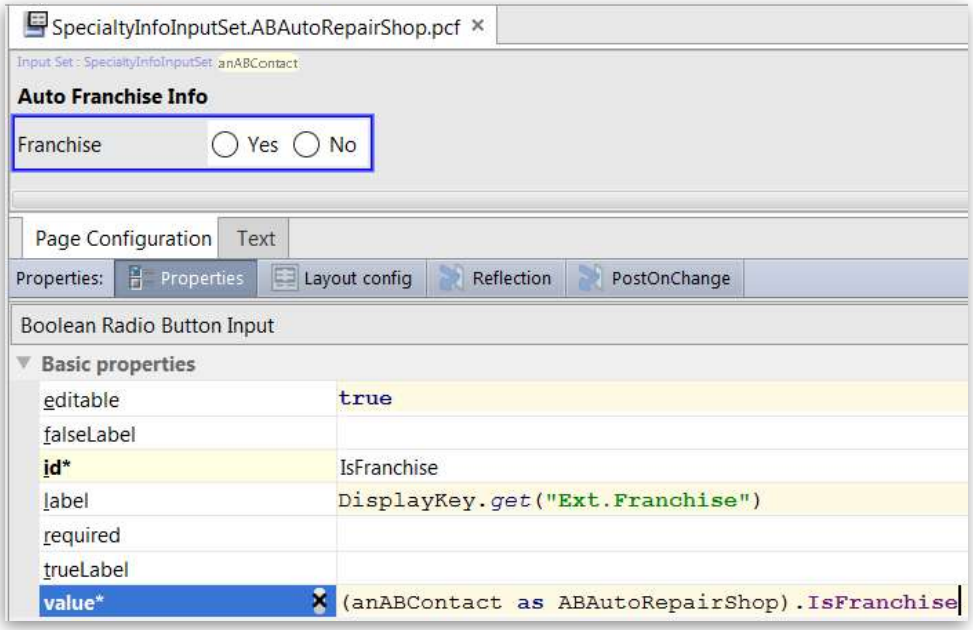


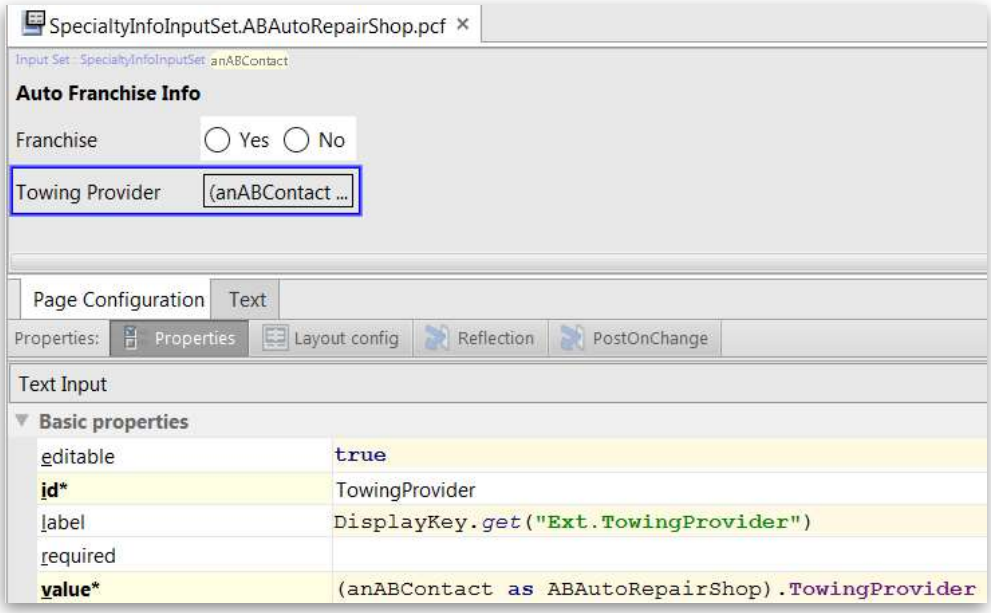
b) Specify the root object



c) Add the widgets

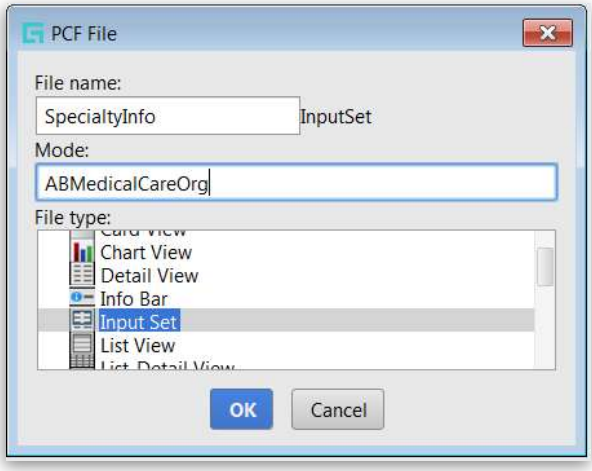




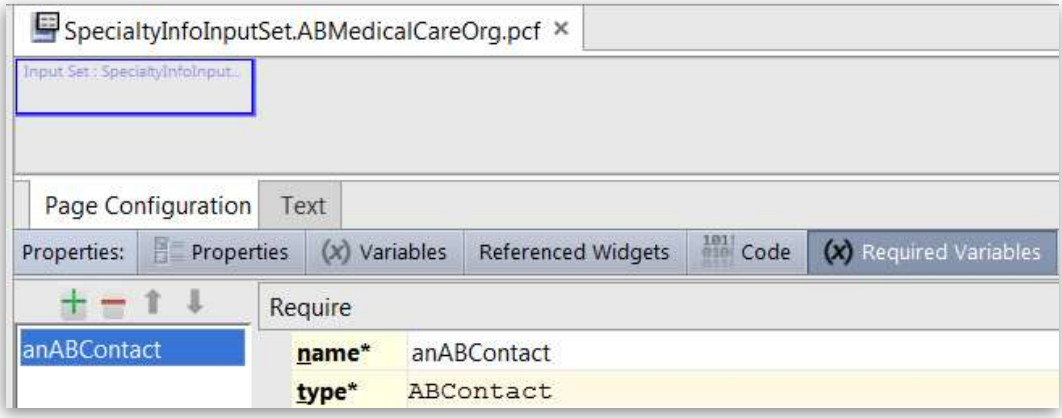


5. Create the Input Set for ABMedicalCareOrg contacts

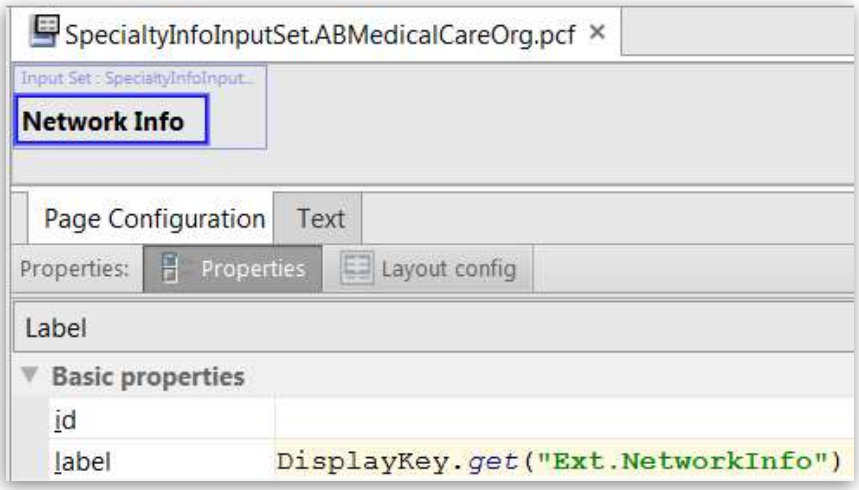
a) Create the PCF file

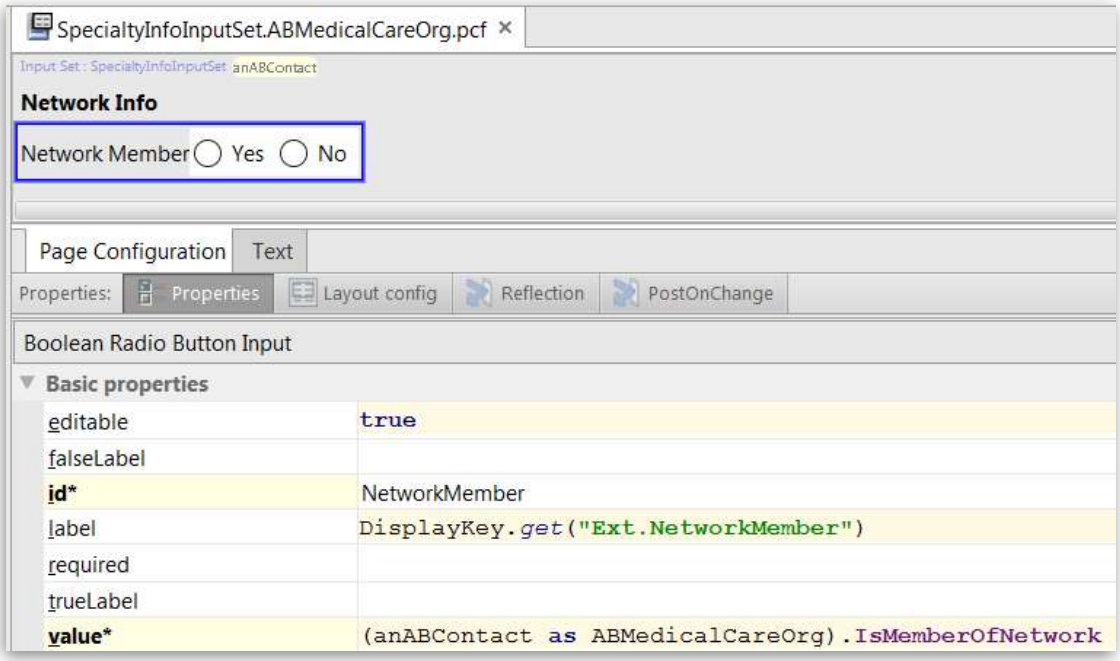


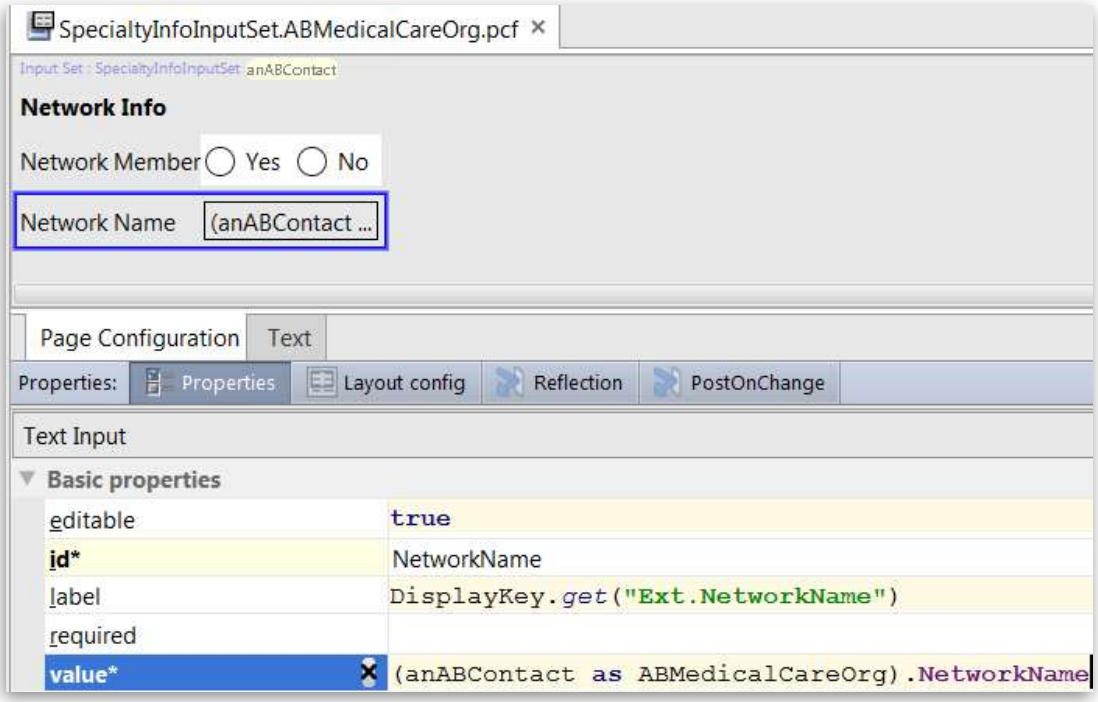
b) Specify the root object



c) Add the widgets



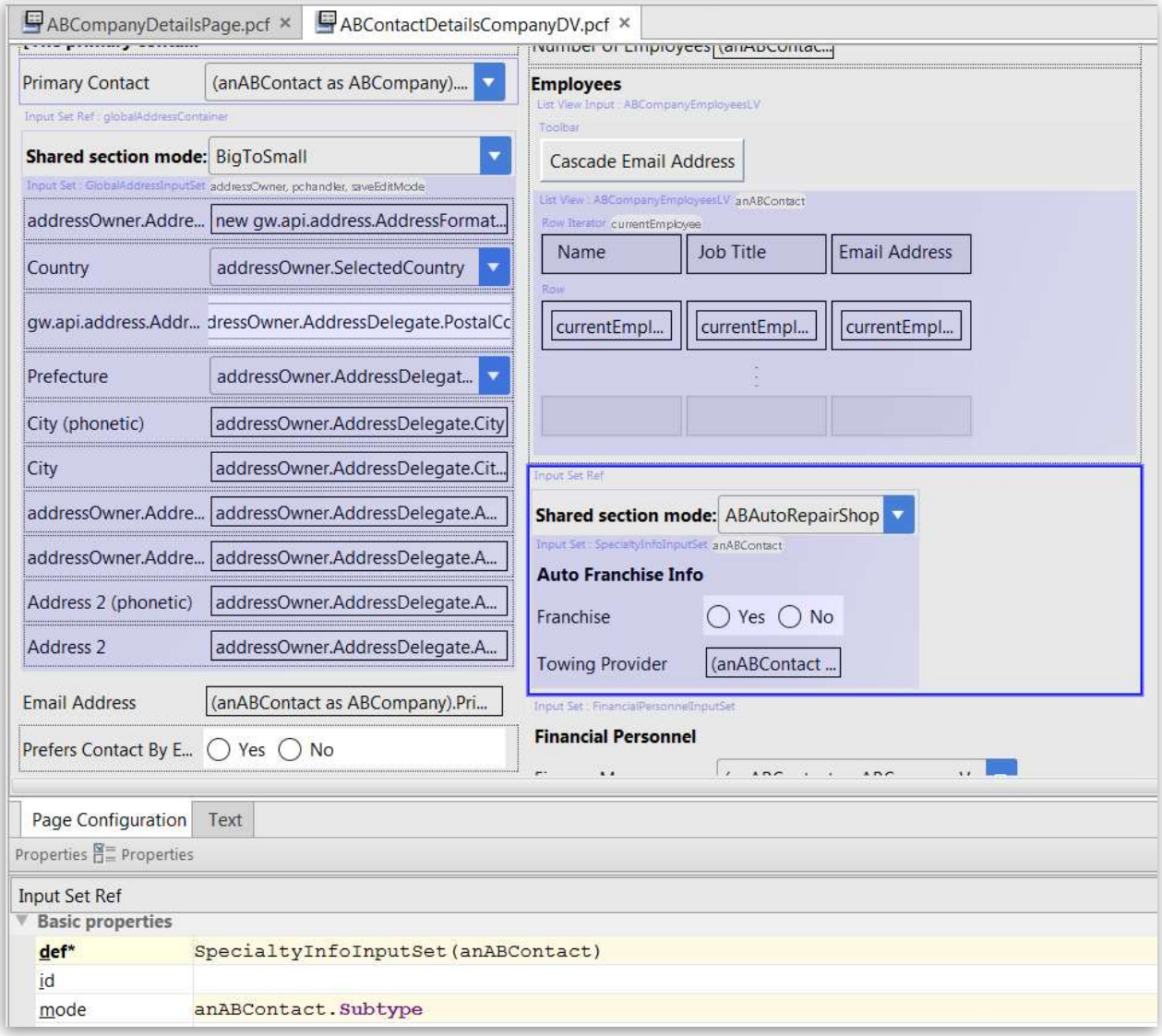

SpecialtyInfoInputSet.ABMedicalCareOrg.pcf
Input Set : SpecialtyInfoInputSet anABContact
Network Info
Network Member Yes No
Page Configuration
Text
Properties:
Properties
Layout config
Reflection
PostOnChange
Boolean Radio Button Input
Basic properties
editable
true
falseLabel
id*
NetworkMember
label
DisplayKey.get("Ext.NetworkMember")
required
trueLabel
value*
(anABContact as ABMedicalCareOrg).IsMemberOfNetwork


SpecialtyInfoInputSet.ABMedicalCareOrg.pcf
Input Set : SpecialtyInfoInputSet anABContact
Network Info
Network Member Yes No
Network Name (anABContact ...
Page Configuration
Text
Properties:
Properties
Layout config
Reflection
PostOnChange
Text Input
Basic properties
editable
true
id*
NetworkName
label
DisplayKey.get("Ext.NetworkName")
required
value*
(anABContact as ABMedicalCareOrg).NetworkName

10.5 Lab Solution: Reference the set of modal Input Sets

Solution

Exact details on how to complete the lab.

1. Open the ABContactDetailsCompanyDV
2. Add Input Set Ref widget below the Employees List View
3. Configure the def property

4. Specify a dynamic value for the mode property