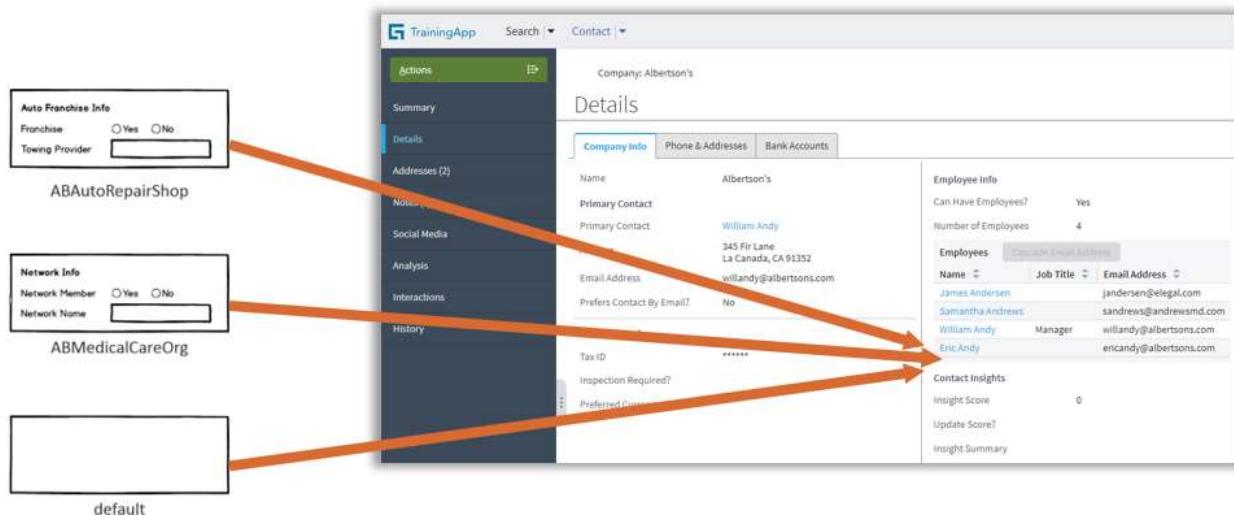


Lesson 10 Modes

"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 :

- 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, .pcf, 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. **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.

Auto Repair Shop: Burlingame Saab

Details

Company Info	Phone & Addresses	Bank Accounts	Vendor Info
Name Burlingame Saab	Primary Contact	Employee Info	Can Have Employees? Yes
Primary Contact	Address <empty>	Number of Employees 0	Employees <input type="button" value="Cascade Email Address"/>
Email Address		Name Job Title Email Address	No data to display
Additional Info		Auto Franchise Info	
Tax ID *****	Inspection Required?	Franchise	Towing Provider
License		Financial Personnel	

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 <input type="button" value="Cascade Email Address"/>			
Name	Job Title	Email Address	
No data to display			
Network Info			
Network Member			
Network Name			
Financial Personnel			



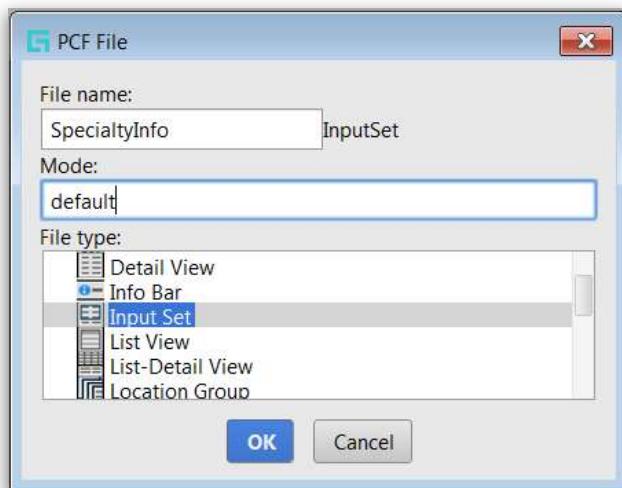
10.4 Lab Solution: Create a set of modal Input Sets



Solution

Exact details on how to complete the lab.

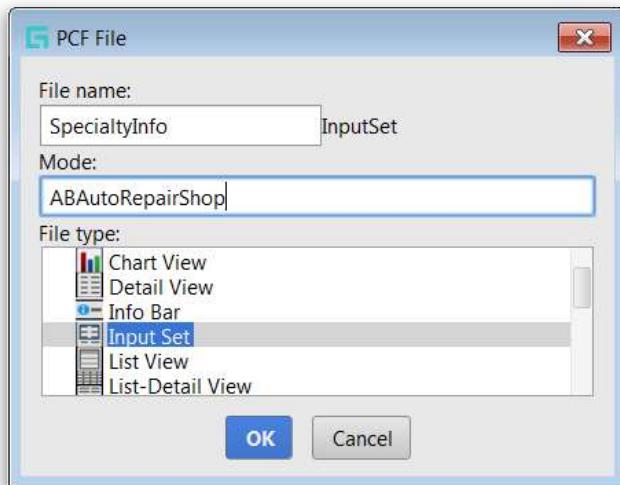
1. Create traininglabs PCF folder if it doesn't exist
2. Create the default Input Set
3. Create the PCF file



- a) Specify the root object

4. Create the Input Set for ABAutoRepairShop contacts

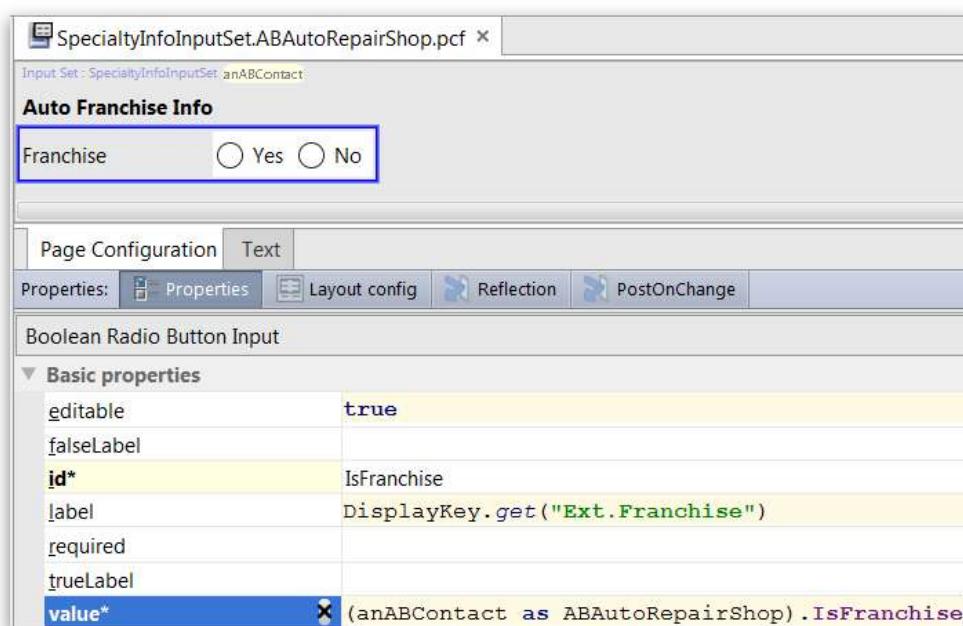
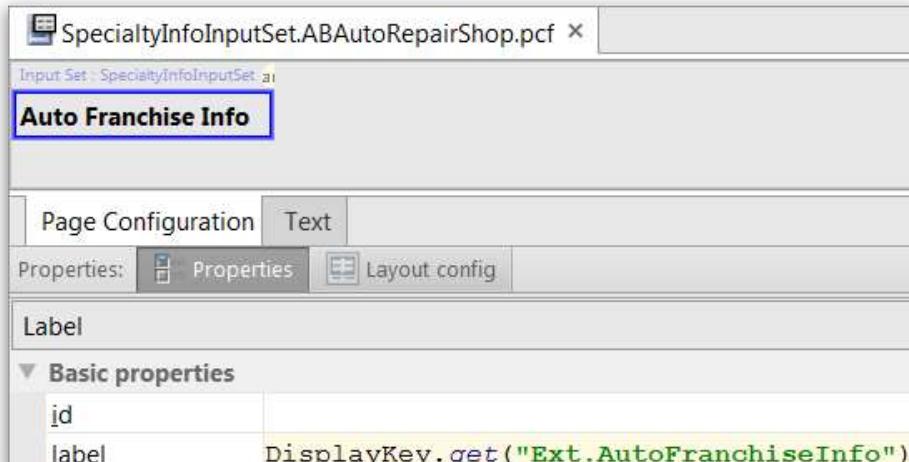
a) Create the PCF file



b) Specify the root object

The screenshot shows the PCF editor interface for 'SpecialtyInfoInputSet.ABAutoRepairShop.pcf'. The title bar says 'SpecialtyInfoInputSet.ABAutoRepairShop.pcf'. The main area has a blue border around the 'Input Set : SpecialtyInfoInput...' section. Below it, tabs include 'Page Configuration' and 'Text'. A toolbar has buttons for 'Properties', 'Variables', 'Referenced Widgets', 'Code', and 'Required Variables'. The 'Required Variables' tab is active. A table titled 'Require' lists two variables: 'name*' with value 'anABContact' and 'type*' with value 'ABContact'. The 'anABContact' row is highlighted with a blue background.

c) Add the widgets



SpecialtyInfoInputSet.ABAutoRepairShop.pcf

Input Set - SpecialtyInfoInputSet anABContact

Auto Franchise Info

Franchise Yes No

Towing Provider (anABContact ...)

Page Configuration Text

Properties: Properties Layout config Reflection PostOnChange

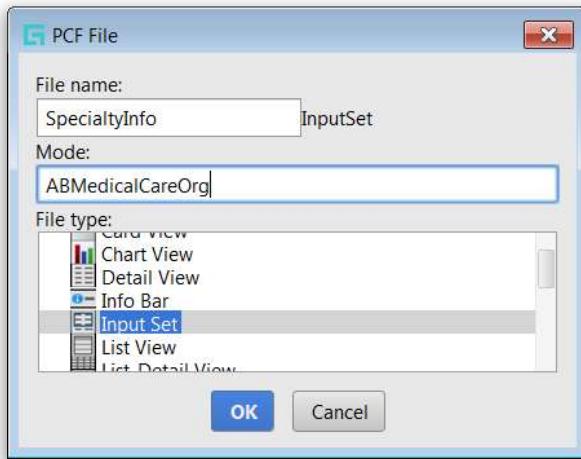
Text Input

Basic properties

editable	true
id*	TowingProvider
label	DisplayKey.get("Ext.TowingProvider")
required	
value*	(anABContact as ABAutoRepairShop).TowingProvider

5. Create the Input Set for ABMedicalCareOrg contacts

a) Create the PCF file



b) Specify the root object

The screenshot shows the Pega Studio interface with the title bar "SpecialtyInfoInputSet.ABMedicalCareOrg.pcf". Below the title bar, there is a toolbar with a blue highlighted button labeled "Input Set : SpecialtyInfoInput...". The main area is titled "Page Configuration" and contains a "Text" tab. A "Properties" panel is open, showing tabs for "Properties", "Variables", "Referenced Widgets", "Code", and "Required Variables". Under the "Required Variables" tab, there is a table with two rows:

	Require
anABContact	name* anABContact type* ABContact

c) Add the widgets

The screenshot shows the Pega Studio interface with the title bar "SpecialtyInfoInputSet.ABMedicalCareOrg.pcf". Below the title bar, there is a toolbar with a blue highlighted button labeled "Input Set : SpecialtyInfoInput...". The main area is titled "Page Configuration" and contains a "Text" tab. A "Properties" panel is open, showing tabs for "Properties", "Layout config", and "Basic properties". Under the "Basic properties" tab, there are two fields:

id	
label	DisplayKey.get("Ext.NetworkInfo")

SpecialtyInfoInputSet.ABMedicalCareOrg.pcf

Input Set : SpecialtyInfoInputSet anABCContact

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*	(anABCContact as ABMedicalCareOrg).IsMemberOfNetwork

SpecialtyInfoInputSet.ABMedicalCareOrg.pcf

Input Set : SpecialtyInfoInputSet anABCContact

Network Info

Network Member Yes No

Network Name

Page Configuration Text

Properties: Properties Layout config Reflection PostOnChange

Text Input

Basic properties

editable	true
id*	NetworkName
label	DisplayKey.get("Ext.NetworkName")
required	
value*	(anABCContact 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

ABCompanyDetailsPage.pcf

ABContactDetailsCompanyDV.pcf

Employees

Shared section mode: BigToSmall

Employees

Shared section mode: ABAutoRepairShop

Auto Franchise Info

Franchise Yes No

Towing Provider (anABContact ...)

Financial Personnel

Properties

Input Set Ref

Basic properties

def*	SpecialtyInfoInputSet (anABContact)
id	
mode	anABContact.Subtype