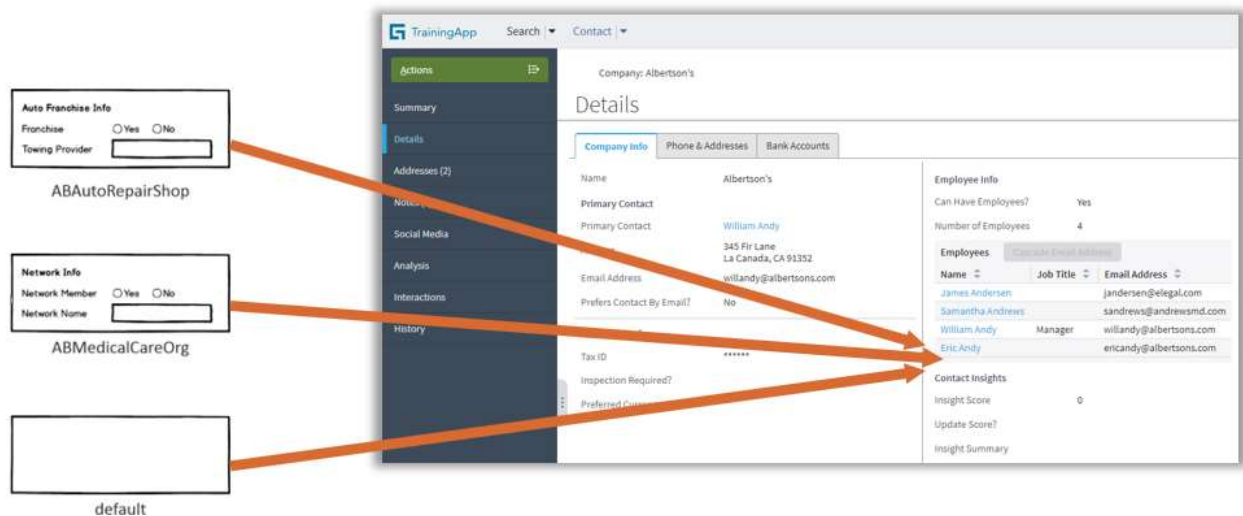


## Lesson 10 Modes

*“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. **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			
Primary Contact			
Address	<empty>		
Email Address			
Additional Info			
Tax ID	*****		
Inspection Required?			
License			
Employee Info			
Can Have Employees?		Yes	
Number of Employees		0	
Employees		Cascade Email Address	
Name	Job Title	Email Address	
No data to display			
Auto Franchise Info			
Franchise			
Towing Provider			
Financial Personnel			

## 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



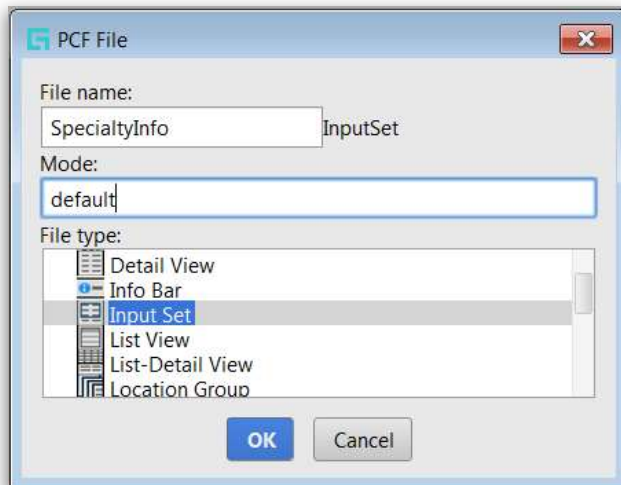
## 10.4 Lab Solution: Create a set of modal Input Sets



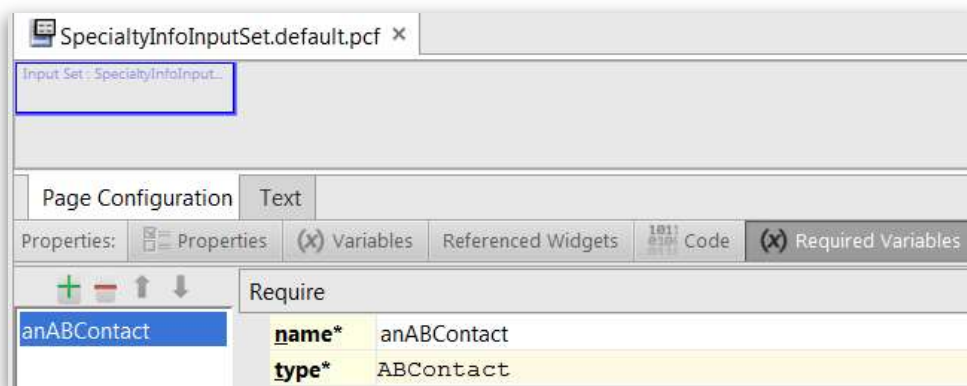
### Solution

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

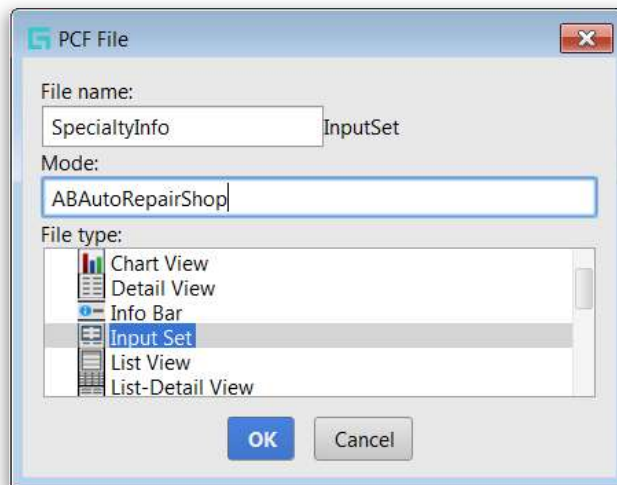


a) Specify the root object

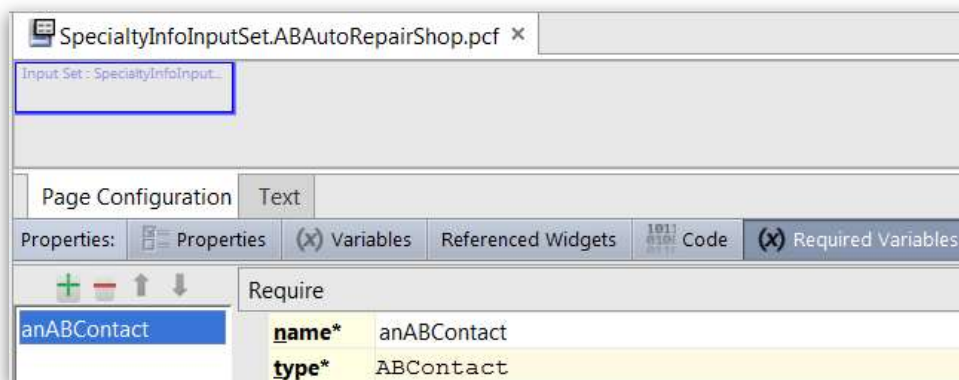


#### 4. Create the Input Set for ABAutoRepairShop contacts

a) Create the PCF file



b) Specify the root object



c) Add the widgets

SpecialtyInfoInputSet.ABAutoRepairShop.pcf x

Input Set : SpecialtyInfoInputSet .ai

**Auto Franchise Info**

Page Configuration Text

Properties: Properties Layout config

Label

▼ Basic properties

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

SpecialtyInfoInputSet.ABAutoRepairShop.pcf x

Input Set : SpecialtyInfoInputSet .anABContact

**Auto Franchise Info**

Franchise ☐ Yes ☐ No

Page Configuration Text

Properties: Properties Layout config Reflection PostOnChange

Boolean Radio Button Input

▼ Basic properties

editable	true
falseLabel	
id*	IsFranchise
label	DisplayKey.get("Ext.Franchise")
required	
trueLabel	
value*	(anABContact as ABAutoRepairShop).IsFranchise



SpecialtyInfoInputSet.ABAutoRepairShop.pcf x

Input Set: SpecialtyInfoInputSet: anABContact

**Auto Franchise Info**

Franchise ☐ Yes ☐ No

Towing Provider

---

Page Configuration Text

Properties:

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

PCF File

File name:  InputSet

Mode:

File type:

- ☐ Card view
- ☐ Chart View
- ☐ Detail View
- ☐ Info Bar
- ☒ Input Set
- ☐ List View
- ☐ List Detail View

b) Specify the root object

The screenshot shows a configuration window titled 'SpecialtyInfoInputSet.ABMedicalCareOrg.pcf'. The 'Required Variables' tab is active, showing a list of required variables. The variable 'anABContact' is selected, and its properties are displayed in a table below.

Require
<b>name*</b> anABContact
<b>type*</b> ABContact

c) Add the widgets

The screenshot shows the same configuration window, but now a 'Network Info' widget has been added to the page. The 'Basic properties' tab is active, showing the widget's properties. The 'label' property is set to 'DisplayKey.get("Ext.NetworkInfo")'.

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

SpecialtyInfoInputSet.ABMedicalCareOrg.pcf x

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 x

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

ABCompanyDetailsPage.pcf x ABContactDetailsCompanyDV.pcf x

Primary Contact (anABContact as ABCompany)...

Input Set Ref: globalAddressContainer

**Shared section mode:** BigToSmall

Input Set: GlobalAddressInputSet addressOwner, pchandler, saveEditMode

addressOwner.Address... new gw.api.address.AddressFormat...

Country addressOwner.SelectedCountry

gw.api.address.Addr... dressOwner.AddressDelegate.PostalCo

Prefecture addressOwner.AddressDelegat...

City (phonetic) addressOwner.AddressDelegate.City

City addressOwner.AddressDelegate.Cit...

addressOwner.Address... addressOwner.AddressDelegate.A...

addressOwner.Address... addressOwner.AddressDelegate.A...

Address 2 (phonetic) addressOwner.AddressDelegate.A...

Address 2 addressOwner.AddressDelegate.A...

Email Address (anABContact as ABCompany).Pri...

Prefers Contact By E... ☐ Yes ☐ No

**Employees**

List View Input: ABCompanyEmployeesLV

Toolbar

Cascade Email Address

List View: ABCompanyEmployeesLV: anABContact

Row Iterator: currentEmployee

Name Job Title Email Address

currentEmpl... currentEmpl... currentEmpl...

...

...

...

Input Set Ref

**Shared section mode:** ABAutoRepairShop

Input Set: SpecialtyInfoInputSet anABContact

**Auto Franchise Info**

Franchise ☐ Yes ☐ No

Towing Provider (anABContact ...)

Input Set: FinancialPersonnelInputSet

**Financial Personnel**

Page Configuration Text

Properties ☒ Properties

Input Set Ref

**Basic properties**

def*	SpecialtyInfoInputSet (anABContact)
id	
mode	anABContact.Subtype