Lesson 7   Input Sets

"In the data model, the ABContact entity has two fields to store email addresses. However, currently, the UI only displays one email address for companies and none for persons. We want to be able to see and edit both the primary and secondary email addresses. Both email addresses should be displayed on the Summary page and Phone & Addresses card of the contacts." – Insurance company business analysts

In this lab, you will create an Input Set. Next, you will add widgets for a contact's main and alternate email addresses to the Input Set. Then, you will add your Input Set to various PCF files.

7.1 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`.

7.2 Lab: Create an Input Set

As a configuration developer, you want to be able to create Input Sets so that you can reuse a set of widgets together and/or control the visibility/editability of the set widgets. In this part of the lab, you will create the reusable EmailAddressInputSet.pcf.

1. **Create and configure the <u>EmailAddressInputSet</u> PCF file:**

    a) Create the Input Set in the `traininglabs` folder

    b) Specify a root object of the type ABContact

    c) Add the following widgets:

    -   Add a label widget that displays "Email Addresses"

    -   Add an editable input widget labeled "Main" that displays ABContact's EmailAddress1 field

    -   Add an editable input widget labeled "Alternate" that displays ABContact's EmailAddress2 field

2. **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

    -   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)

7.3   Lab: Reference the Input Set

In this lab, you will add the EmailAddressInputSet to various PCF files.

1. **Add the EmailAddressInputSet to <u>ABContactSummaryDV</u>**

   a) Navigate to ABContactSummaryDV

   b) Add an Input Divider below the Primary Address section in the same Input Column

   c) Reference the EmailAddressInputSet directly below the Input Divider

2. **Add the EmailAddressInputSet to <u>ABPersonDetailsPage</u>**

   a) Navigate to ABPersonDetailsPage and select the Phone & Addresses card

   b) Reference the EmailAddressInputSet directly below the Primary Address section

   c) Note: Add additional parent containers as needed.

3. **Add the EmailAddressInputSet to <u>ABCompanyDetailsPage</u>**

   a) Navigate to ABCompanyDetailsPage and select the Phone & Addresses card

   b) Reference the EmailAddressInputSet directly below the Primary Address section

   c) Note: add additional parent containers as needed.

Hint

Add additional parent containers as needed

An Input Set or Input Set Ref cannot be directly added to a secondary container (e.g. Card View). The only container that can contain an Input Set is the Detail View.

7.3.1   Verification

Activity

Verify the work you have done

Log in to TrainingApp as Alice Applegate

1. **Use the appropriate shortcut to deploy the changes**
2. **Edit the William Andy contact**

   a) Navigate to William Andy

   b) In the Summary, edit the contact

   c) Enter the Main email for William Andy, e.g., william@guidewire.com

   d) Enter an Alternate email for William Andy, e.g., william-andy@gudewire.com

   e) Click update

3. **View the William Andy contact details**

   a) In the sidebar menu, click Details

   b) In Details, click Phone & Addresses

   c) Verify that you see the email addresses that you entered

Actions ⊟

Summary

Details

Addresses (3)

Notes (5)

Social Media

Analysis

Interactions

History

Person: William Andy

Summary

Basics | Social Media | Analysis

Suggest Least Busy User

Basic Information

Name	William Andy
Public ID	ab:5
Assigned User	Alice Applegate
Email Address	willandy@albertsons.com
Created On	06/19/2018

Primary Address

Address	345 Fir Lane La Canada, CA 91352
Address Type	Home
Description	
Valid Until	

Email Addresses

Main	willandy@albertsons.com
Alternate	wandy245@gmail.com

TrainingApp   Search ▼   Contact ▼

Actions ⇥

Summary

Details

Addresses (3)

Notes (5)

Social Media

Analysis

Interactions

History

Person: William Andy

Details

| Person Info | **Phone & Addresses** | Bank Accounts |

Phone Numbers

Primary Phone	Mobile
Fax Phone	
Home Phone	
Work Phone	2096662483

Primary Address

Address	345 Fir Lane
	La Canada, CA 91352
Address Type	Home
Description	
Valid Until	

Email Addresses

| Main | willandy@albertsons.com |
| Alternate | wandy245@gmail.com |

7.4 Lab Solution: Create an Input Set

Solution

Exact details on how to complete the lab.

1. **Create traininglabs PCF folder if it doesn't exist**

2. Create the Input Set
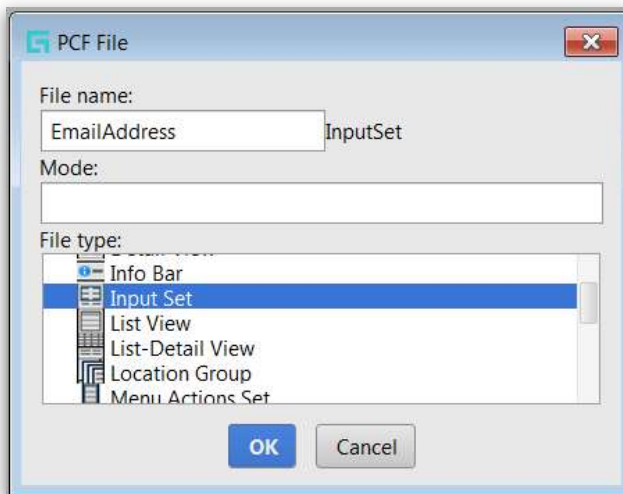
3. Specify the root object
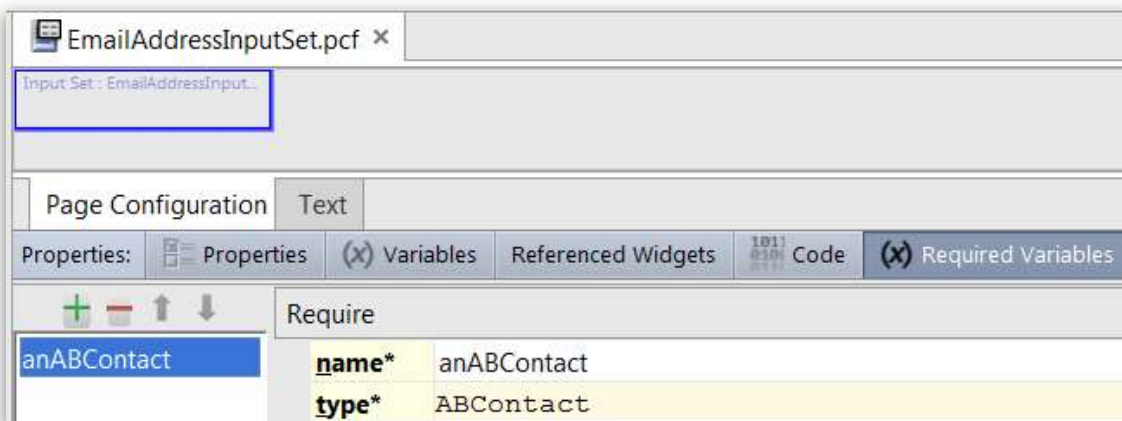
4. Add and configure the label
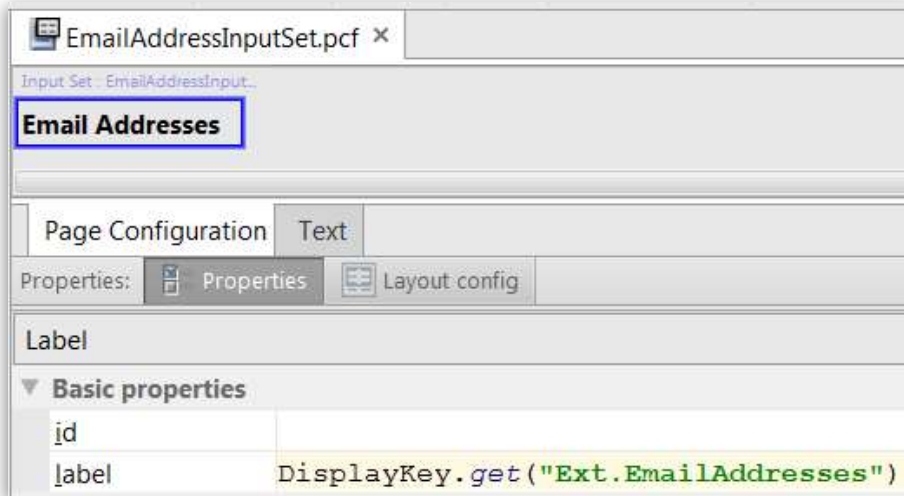
5. Add and configure the Text Input widgets
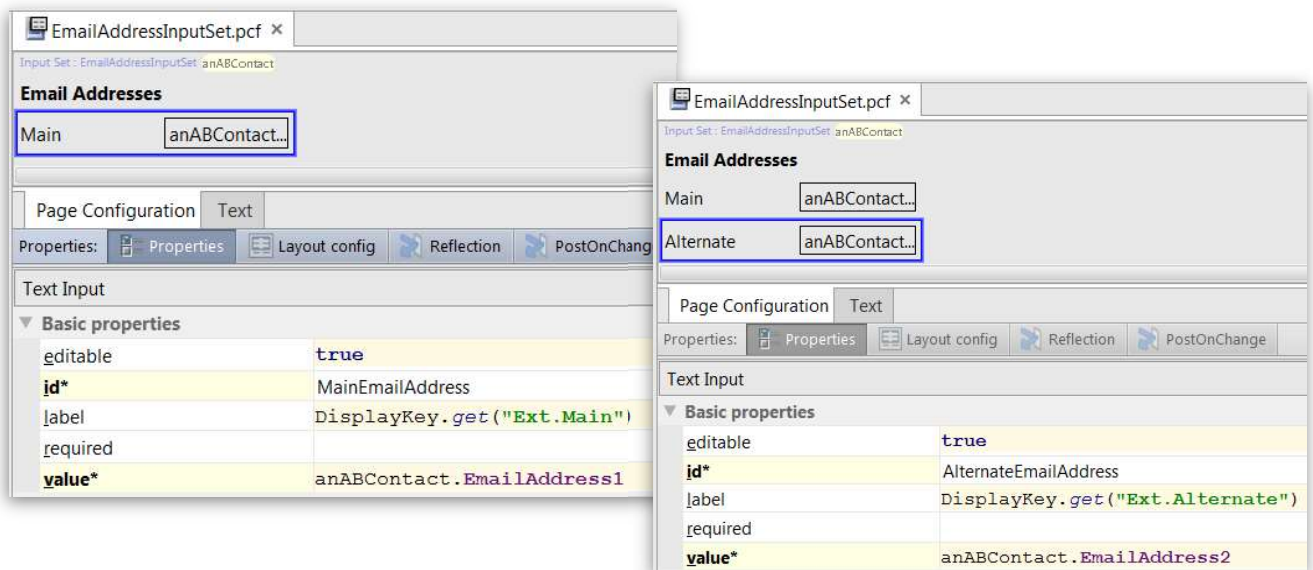
## 7.5 Lab Solution: Reference the Input Set

Solution

Exact details on how to complete the lab.

1. **Open the ABContactSummaryDV**

   a) Add an Input Divider

   b) Add and configure the Input Set Ref widget

2. **Navigate to the Phone & Addresses card of the ABPersonDetailsPage. Then add and configure the InputSetRef widget.**

   Note: Ensure you add an InputSetRef from the InputLayout category and not an Input Set Ref from the Detail View Tile category. You can check you've used the correct PCF element by highlighting the element and looking in the text tab to ensure it shows as `<InputSetRef/>` and not `<TileInputSetRef/>`.

3. **Navigate to the Phone & Addresses card of the ABCompanyDetailsPage. Then add and configure the InputSetRef widget.**