

## 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.

The diagram illustrates the creation of an Input Set for managing email addresses. It shows three components:

- Summary Page:** Displays basic contact information like Name, Public ID, and Primary Address. The 'Email Address' field is highlighted.
- Details Page:** Displays phone numbers and primary address details. The 'ZIP Code' field is highlighted.
- Email Addresses Input Set:** A modal window containing fields for 'Main' and 'Alternate' email addresses.

Red arrows indicate the flow of data from the 'Email Address' field on the Summary page and the 'ZIP Code' field on the Details page into the corresponding 'Main' and 'Alternate' fields in the Email Addresses input set.

## 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 EmailAddressInputSet 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, .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)

### 7.3 Lab: Reference the Input Set

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

**1. Add the EmailAddressInputSet to ABContactSummaryDV**

- 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 ABPersonDetailsPage**

- 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 ABCompanyDetailsPage**

- 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., [wiliam@guidewire.com](mailto:wiliam@guidewire.com)
  - d) Enter an Alternate email for William Andy, e.g., [wiliam-andy@gudewire.com](mailto:wiliam-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**

Person: William Andy

**Summary****Details**

Addresses (3)

Notes (5)

**Social Media****Analysis****Interactions****History****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

Actions



Person: William Andy

Summary

Details

Addresses (3)

Notes (5)

Social Media

Analysis

Interactions

History

## Details

Person Info

Phone &amp; 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

