

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 integration of a new 'Email Addresses' Input Set into two existing PCF pages for a law firm, 'Allendale, Myers & Associates'.

Summary Page: This page displays contact information under the 'Basics' tab. It includes fields for Name, Public ID, Created On, Assigned User, Email Address, and Primary Address. The Email Address field currently shows 'info@ama.com'. The Primary Address section includes Country, Address 1, Address 2, Address 3, City, County, State, and ZIP Code.

Details Page: This page displays contact information under the 'Phone & Addresses' tab. It includes fields for Phone Numbers (Work, Fax), Primary Address (Country, Address 1, Address 2, Address 3, City, County, State, ZIP Code), Bank Accounts, and Vendor Info.

Email Addresses Input Set: A new input set is shown at the bottom, titled 'Email Addresses'. It contains two fields: 'Main' and 'Alternate', each with a text input box. Red arrows indicate that this input set is being added to the 'Email Address' field on the Summary page and the 'Email Address' field on the Details page.

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

- Navigate to ABContactSummaryDV
- Add an Input Divider below the Primary Address section in the same Input Column
- Reference the EmailAddressInputSet directly below the Input Divider

2. Add the EmailAddressInputSet to ABPersonDetailsPage

- Navigate to ABPersonDetailsPage and select the Phone & Addresses card
- Reference the EmailAddressInputSet directly below the Primary Address section
- Note: Add additional parent containers as needed.

3. Add the EmailAddressInputSet to ABCompanyDetailsPage

- Navigate to ABCompanyDetailsPage and select the Phone & Addresses card
- Reference the EmailAddressInputSet directly below the Primary Address section
- 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

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

