

Lesson 2 List Views

The business analysts want to capture specific information about each contact interaction such as a telephone call, email message, postal mail letter, or in-person office visit. Eventually, they want the information displayed in an Interactions section of TrainingApp.

The screenshot shows a web browser window for the 'TrainingApp' application. The URL is <http://localhost:8880/ab/ContactManager.do>. The page title is '[DEV mode - 9.0.15] Guidewire TrainingApp'. The main content area displays a list of interactions for a contact named 'Doctor: Samantha Andrews'. The 'Interactions' section has a header with 'Actions' (Update, Cancel), 'Add', and 'Remove' buttons. A table lists two interactions:

Date	Summary	Associated User
05/25/2016	Customer called to make a complaint	Alice Applegate
06/01/2016	Customer requested proof of coverage statement	Bruce Baker

The left sidebar contains a navigation menu with the following items: Actions, Summary, Details, Addresses (1), Notes (0), Social Media, Analysis, **Interactions** (selected), and History.

"We want a CSR (Customer Service Representative) such as Alice Applegate to be able to create and edit details about contact interactions." – Insurance company business analysts

In the previous lab, you created the Interaction_Ext entity and modified the ABContact entity to capture interactions. In this lab, you will implement the necessary **user interface changes** to display the interactions. You will also make the ListView editable in a later lab. As a configuration developer, you will use the PCF Editor in Guidewire Studio to modify the TrainingApp user interface.

2.1 Prerequisites

You must first complete the following previous lesson(s):

- Creating New Entities

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.

2.2 Lab: Create a List View

As a configuration developer, you want to be able to create reusable list view panels to be able to display information about multiple entities. In this lab, you will use the PCF Editor to create a reusable List View.

1. Create and configure the InteractionsLV PCF file:

- a) Create a List View Panel in the `traininglabs` folder
- b) Specify a root object of the type `ABContact`
- c) Each row of the List View must display the following:
 - `InteractionDate` field labeled as `Date`
 - `Summary` field labeled as `Summary`
 - `AssociatedUser` field labeled as `User` (use the `AltUserCell` widget)

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
- c) Verify that you can see generated resources (`.gs`, `.pcfc`, `Expressions.gs`)



Hint

Configuring cells

Remember, 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 a field that needs to be displayed. Cells are atomic widgets and similar to input widgets.



Hint

Helpful hints that help you to completion.

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)

2.3 Lab: Reference the List View

As a configuration developer, you want to be able to reference reusable containers. In this lab, you will add the InteractionsLV to the ABContactInteractionsPage PCF file.

1. Navigate to the ABContactInteractionsPage and replace the inline Detail View

- a) Delete the Detail View
- b) Add a reference to the InteractionsLV
- c) Add a Toolbar to support paging



Hint

Toolbar

Every List View needs to have a Toolbar associated with it. Don't forget that List Views support pagination and the buttons will automatically appear when the number of elements exceeds the pageSize.

2.3.1 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. View the Interactions page for William Andy
 - a) Navigate to William Andy
 - b) In the sidebar menu, click Interactions

- c) Verify that you see the Interactions List View (Note: There will be no data in the List View for now. This is because there are no interactions in the database yet. You will be able to insert new interactions in the Editable List Views lesson.)

The screenshot shows a software interface for managing a contact named "Person: William Andy". On the left, a sidebar menu lists several sections: Actions, Summary, Details, Addresses (3), Notes (5), Social Media, Analysis, and Interactions. The "Interactions" section is currently selected and highlighted in blue. The main content area is titled "Interactions" and displays a table with three columns: Interaction Date, Summary, and Associated User. A green "Edit" button is located at the top left of the table. Below the table, a message reads "No data to display".

2.4 Bonus lab: List Views and navigation

"In the screenshot below, the list view panel shows all the employee contacts associated with the employer. Currently, there is no navigable link in the list view panel to the employee contact. A user would need to search for the specific employee contact to see more details. Modify the list view panel so that each employee name links to the contact details page. For example, clicking on William Andy in the table would take us to the Details page of William Andy." – Insurance company business analysts

The screenshot displays two separate Dynamics 365 pages. The top page is titled 'Details' for 'Company: Albertson's'. It includes tabs for 'Company Info', 'Phone & Addresses', and 'Bank Accounts'. The 'Company Info' tab is active, showing details like Name (Albertson's), Primary Contact (William Andy), and Address (345 Fir Lane, La Canada, CA 91352). The bottom page is titled 'Details' for 'Attorney: James Andersen'. It includes tabs for 'Person Info', 'Phone & Addresses', 'Bank Accounts', and 'Vendor Info'. The 'Person Info' tab is active, showing details like Full Name (James Andersen), Occupation (Employer), and Employer (Albertson's). A red arrow points from the 'Employees' section of the bottom page to the 'Employees' section of the top page, which lists five employees: James Andersen, Samantha Andrews, Eric Andy, and William Andy, each with their job title and email address.



Hint

Navigation

If needed, review the **Introduction to Locations** lesson.

2.4.1 Verification

1. Log in to TrainingApp as Alice Applegate
2. Reload the PCF changes

3. Go to the Details page for Albertson's

- a) Confirm that you are able to click a navigable link for each employee contact

Company: Albertson's

Details

Actions		Company Info			Phone & Addresses			Bank Accounts																	
Summary																									
Details																									
Addresses (1)		Name			Albertson's			Employee Info																	
Notes (0)		Primary Contact			William Andy			Can Have Employees? Yes																	
Social Media		Address			345 Fir Lane La Canada, CA 91352			Number of Employees 4																	
Analysis		Email Address			willandy@albertsons.com			Employees Cascade Email Address																	
Interactions		Prefers Contact By Email?			No			<table border="1"><thead><tr><th>Name</th><th>Job Title</th><th>Email Address</th></tr></thead><tbody><tr><td>James Andersen</td><td></td><td>jandersen@elegal.com</td></tr><tr><td>Samantha Andrews</td><td></td><td>sandrews@andrewsmd.com</td></tr><tr><td>Eric Andy</td><td></td><td>ericandy@albertsons.com</td></tr><tr><td>William Andy</td><td>Manager</td><td>willandy@albertsons.com</td></tr></tbody></table>			Name	Job Title	Email Address	James Andersen		jandersen@elegal.com	Samantha Andrews		sandrews@andrewsmd.com	Eric Andy		ericandy@albertsons.com	William Andy	Manager	willandy@albertsons.com
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Eric Andy		ericandy@albertsons.com																							
William Andy	Manager	willandy@albertsons.com																							
History		Additional Info			*****																				
		Tax ID			*****																				

