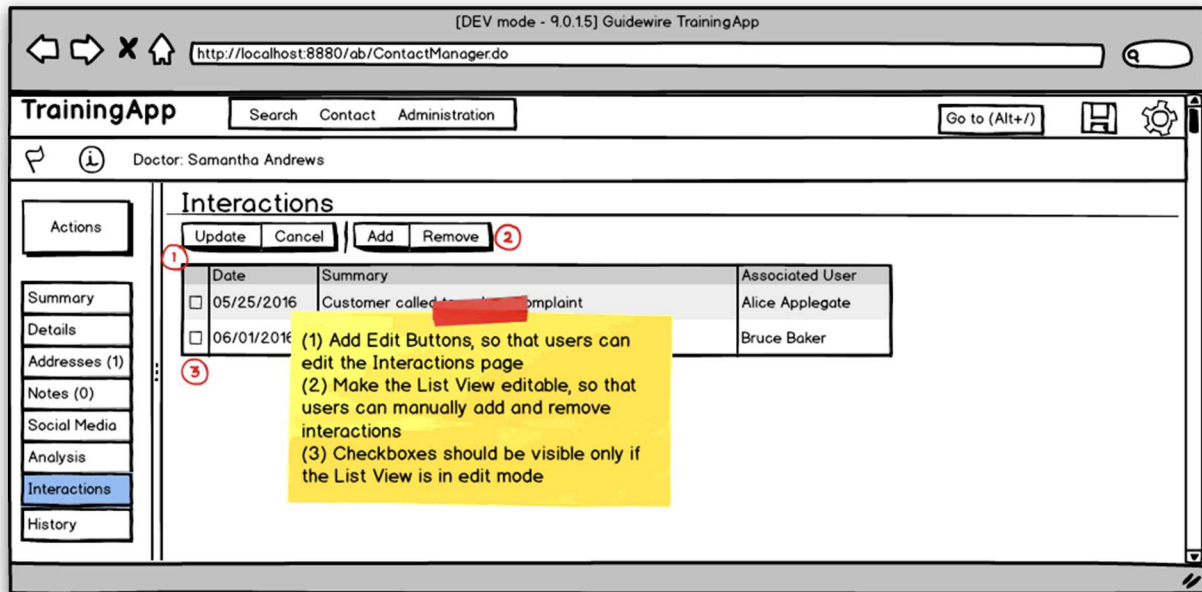# Lesson 3   Editable List Views

"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 labs, you created the Interaction_Ext entity, modified the ABContact entity to capture interactions and created a reusable read-only List View to display Interactions. In this lab, you will add Add and Remove buttons to ABContactInteractionsPage to allow the user to add and remove interactions.

3.1   Prerequisites

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

1. **Creating New Entities**
2. **List Views**

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`.

3.2   Lab: Make the Interactions List View editable

As a configuration developer, we want to be able to configure the Iterator Buttons widget to allow users to add and remove rows. In this lab, you will use the PCF Editor in Guidewire Studio to make the Interactions List View editable.

1. **Modify the Interactions page so that users can add and remove interactions**

   a) The page must have a toolbar with Edit/Update/Cancel buttons and with Add/Remove buttons

   b) Users must be able to add and remove rows upon selecting the appropriate buttons

   c) Ensure that data in all three columns are editable

   d) Show the checkboxes by each row only when in edit mode

3.2.1   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) Click Edit and add at least three interactions

d) Click Update

| Interaction Date	Summary	Associated User
09/24/2018	Quarterly courtesy contact	Alice Applegate
04/25/2018	Customer requested change in address	Carl Clark
06/22/2018	Quarterly courtesy contact	Bruce Baker

Person: William Andy

Interactions

Actions

Summary

Details

Addresses (3)

Notes (5)

Social Media

Analysis

Interactions

Edit

3.3 Lab Solution: Make the Interactions List View editable

Solution

Exact details on how to complete the lab.

1. **Open ABContactInteractionsPage and add Edit Buttons and Iterator Buttons widgets. Note: The Iterator Buttons widget will be red because the `iterator*` property is required**
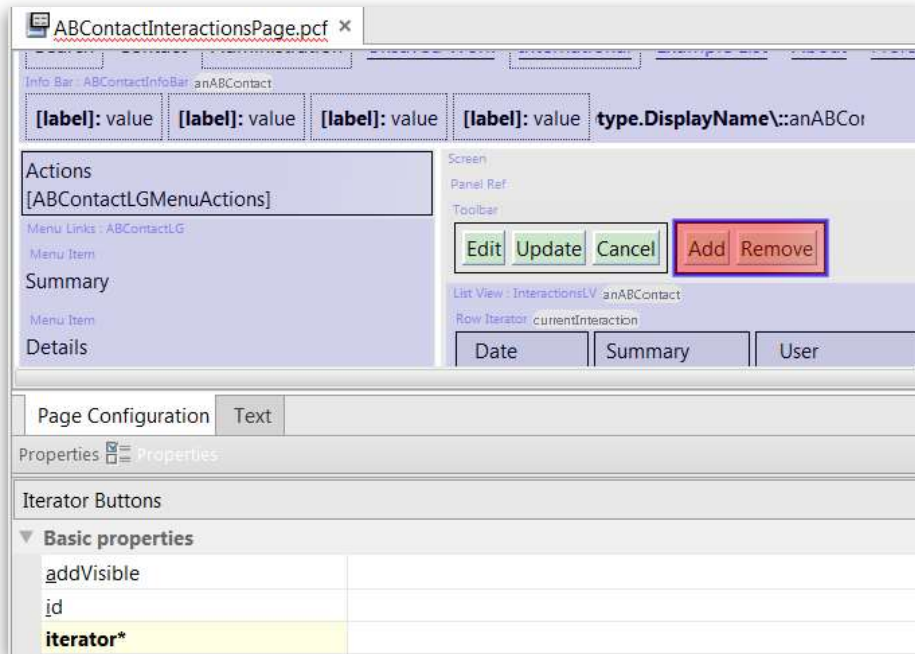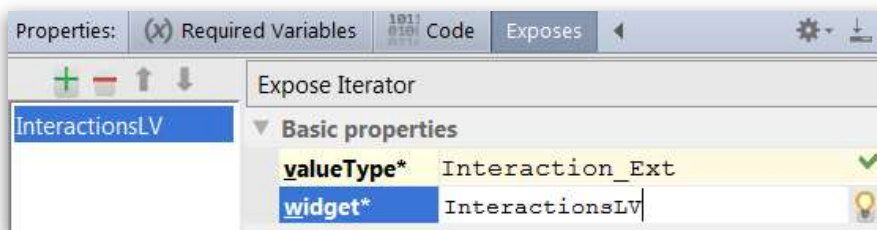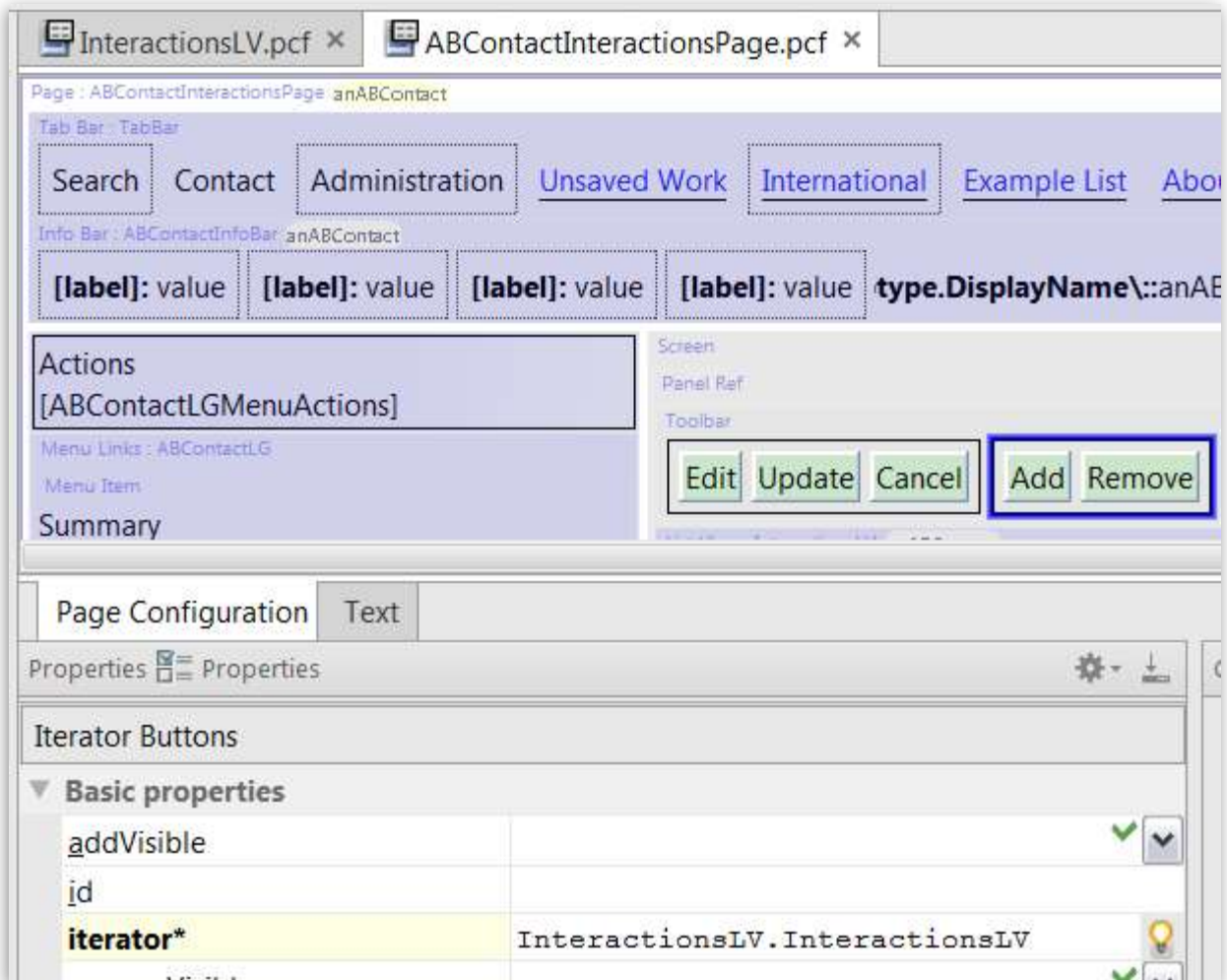
2. Expose the Row Iterator

a) Open the InteractionsLV, go to the Exposes tab and click on the green plus icon to expose the iterator
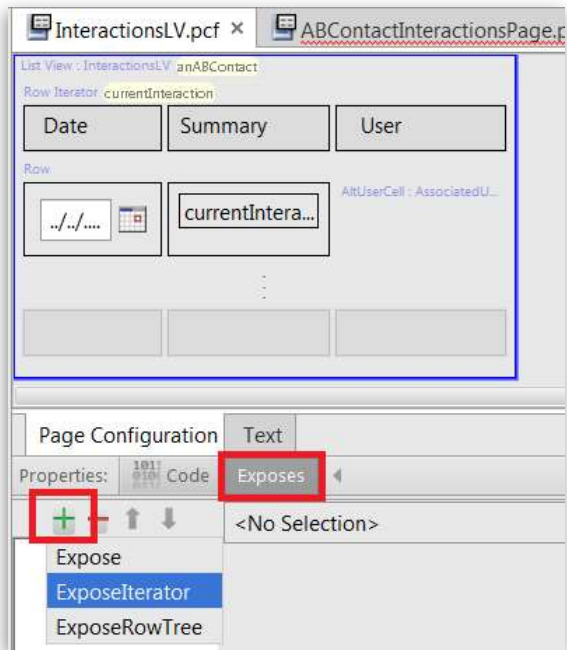
b) Configure the **valueType** and **widget** properties of the Expose Iterator

3. Reference the new Expose Iterator from the iterator property of the Iterator Buttons

4. Configure the toAdd and toRemove properties of the Row Iterator

5. Set the hideCheckBoxesIfReadOnly property to true