Lesson 8 **Partial Page Update**

As a configuration developer, you want to be able to configure the Post On Change behavior of widgets, so that you can improve data entry efficiency and reduce page refresh.

In this lab, you will make several basic and advanced configuration changes in order to improve both application performance and usability by configuring targeted Post On Change for various widgets in TrainingApp.

8.1 Prerequisites

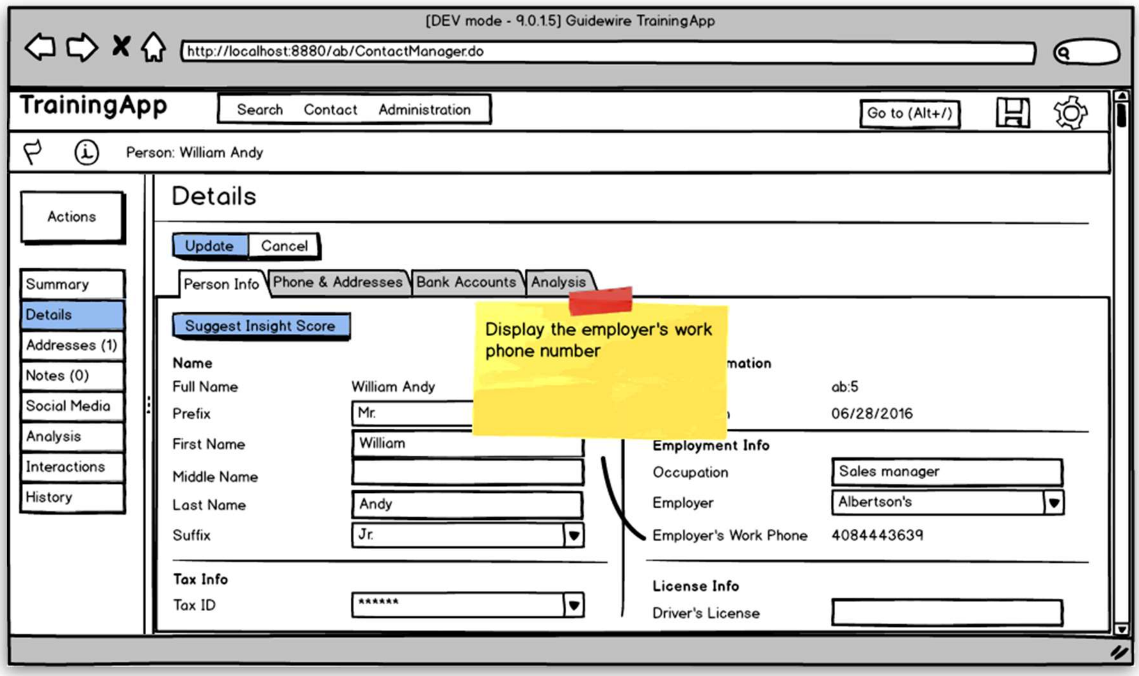
You must first complete the following previous lesson(s):

- Creating New Entities
- List Views
- Editable List Views
- Typelists
- Popups

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`.

8.2 Lab: Targeted Post On Change – DATA_ONLY

"On the Person Info card, we want to see the employer's work phone number below the employer field. We want the employer's work phone widget to be read-only and always visible. The users must see the correct employer's work phone number as soon as the value of the employer field is changed. When configuring the dynamic widget behavior, keep in mind to transfer only data to achieve the best UI performance." – Insurance company business analysts



In this lab, you will add a read-only input widget to the ABContactDetailsPersonDV. First, you will configure the widget to display the employer's work phone number for a given person. Next, you will make the necessary configurations so that when the value of the Employer widget changes, the read-only input widget immediately shows the new employer work phone number.

8.2.1 Configuration

1. Add a new input widget

a) In the ABContactDetailsPersonDV, in the Employment Info section, add a read-only input widget labeled "Employer's Work Phone" that displays the employer's work phone number for a given person

2. **Configure targeted Post On Change**

   a) Configure the Employer widget's targeted Post On Change properties so that only data is refreshed for the page

8.2.2 Verification

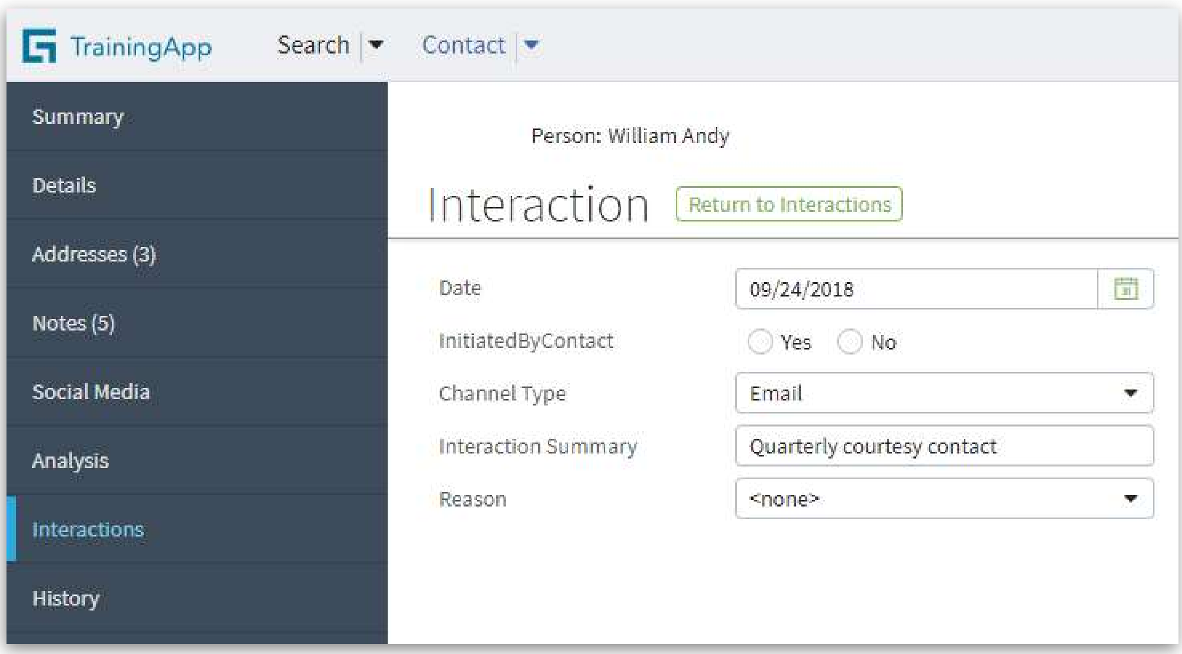
Activity

Verify the work you have done

1. **Log in to TrainingApp as Alice Applegate**
2. **Use the appropriate shortcut to deploy the changes**
3. **Navigate to William Andy's Details screen**
4. **Click Edit and change the selection in the Employer field**
5. **Verify that Employer's Work Phone field changes**
6. **Click Cancel**

8.3 Lab: Advanced targeted Post On Change – layout re-render

"In the interaction popup, the Initiated By Contact, Channel Type, Summary and User fields should be visible only if the Date is set. If the date is not set or the user deletes the date then only the Date and Reason fields should be visible. The four fields should become visible/hidden as soon as the user makes a change to the Date field. Keep in mind performance when implementing this change. " – Insurance company business analysts



In this lab, you will modify the InteractionPopup. First, you will add an input set as a container for several of the existing widgets. Next, you will write an expression for an input set property that shows the widget when there is an InteractionDate value. Then, you will configure targeted Post On Change to re-render the layout and show the widgets in the input set when there is an InteractionDate value.

8.3.1 Investigation

1. View the current widget behavior

a) Navigate to William Andy

b) In the sidebar menu, select Interactions

c) Click Edit and then click Add

d) Complete the cells for an interaction

e) Click Update

f) Click the Summary of the new interaction to open the popup

g) Complete the blank fields of the interaction

2. **Open the PCF to configure in Guidewire Studio**

   a) To open a PCF, use `ALT + SHIFT + E`

8.3.2 Configuration

1. **Add a new Input Set widget**

   a) In the InteractionPopup, add an Input Set widget below the Interaction Date input widget

   b) Specify the `id` property for the Input Set widget, e.g., InteractionInputSetID

2. **Move widgets into the Input Set**

   a) Move the following widgets into the Input Set:

   - Initiated By Contact
   - Channel Type
   - Summary
   - User

3. **Modify an Input Set widget property**

   a) Write an expression for the `visible` property to show the Input Set only when there is a value for the Interaction Date field

4. **Configure targeted Post On Change**

   a) Configure the required targeted Post On Change properties for a widget so that when a date is entered, the Input Set widget immediately becomes visible

8.3.3 Verification

Activity

Add a title and replace icon if needed.

Log in to TrainingApp as Alice Applegate

1. **Use the appropriate shortcut to deploy the changes**
2. **Create an Interaction for William Andy**
3. **Navigate to William Andy’s Details screen**
4. **In the sidebar menu, select Interactions**
5. **Click Edit and then click Add**
6. **Complete the cells for an interaction**
7. **Click Update**
8. **Click the Summary of the new interaction to open the popup and verify that all fields are visible**
9. **Complete the blank fields of the interaction**
10. **Delete the Interaction Date and click outside of the date field**
11. **Verify that the once visible fields are now hidden**