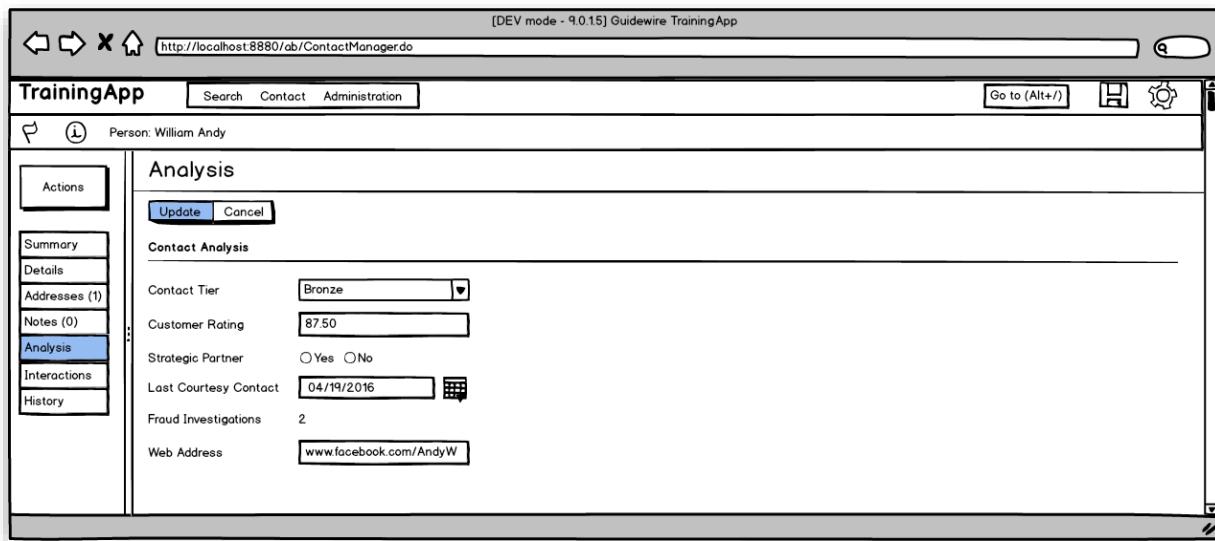


## Lesson 6 Detail Views

In the *Extending Base Application Entities* lesson, we made certain data model changes to collect additional analytical information about the contact; and in the *Atomic Widgets* lessons we configured the Analysis tab to display those fields, so the users can view and edit them.

The screenshot shows the TrainingApp application interface. At the top, there is a navigation bar with the logo 'TrainingApp', a search bar, and a dropdown menu for 'Contact'. On the right of the top bar are icons for edit, settings, and a 'Go to (Alt+/)' button. Below the top bar, the main content area has a sidebar on the left containing links: 'Actions', 'Summary' (which is currently selected and highlighted in blue), 'Details', 'Addresses (3)', 'Notes (5)', 'Social Media', 'Analysis', 'Interactions', and 'History'. The main content area displays a summary for a contact named 'Person: William Andy'. At the top of this area is a 'Summary' section with 'Update' and 'Cancel' buttons. Below it is a tabbed section with 'Basics', 'Social Media', and 'Analysis' tabs, where 'Analysis' is selected. The 'Analysis' section contains several form fields: 'ContactTier' (dropdown menu showing '<none>'), 'CustomerRating' (text input field), 'IsStrategicPartner' (radio buttons for 'Yes' and 'No'), 'LastCourtesyContact' (date input field with a calendar icon), 'Fraud Investigations' (text input field), and 'WebAddress' (text input field). The overall layout is clean and modern, using a light gray background and green accents for buttons and selected items.

We received the following message from the Business Analysts: “*The Analysis tab on the Summary screen looks great. Nice job! We did some further analysis and concluded that we want to see the same UI screen layout when we navigate to the Analysis link in the sidebar too. (See wireframe below.) Please note that this functionality will be most likely extended in the future. If that happens, the UI layout must change at both places the same way.*”



In this module, you will create a reusable Detail View Panel. Next, you will move widgets from an existing PCF file that you modified in a previous lab to your new file. You will then reference your Detail View Panel in various PCF files. Last, you will add a Toolbar with Edit Buttons to make the Analysis page editable.

## 6.1 Prerequisites

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

- Extending Base Application Entities
- Atomic Widgets

For this exercise, 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.

## 6.2 Lab: Reusable Detail View Panel

As a configuration developer, you want to create a reusable Detail View Panel and reference it from different PCF files.

### 6.2.1 Create the reusable Detail View Panel

#### 1. Open Guidewire Studio

- a) From the TrainingApp folder, open a command window and start Guidewire Studio for TrainingApp. Note: Alternatively, use the Start TrainingApp Studio shortcut.
- 2. Run or Debug the TrainingApp project**
  - a) Use the main menu, toolbar, or keystroke to run or Debug the server.
  - b) Verify that the Run or Debug Console tab shows \*\*\*\*\* ContactManager ready \*\*\*\*\*.
- 3. Create the traininglabs PCF Folder if it doesn't exist already**
  - a) In the Project View, select the pcf folder.
  - b) Create a new PCF Folder named `traininglabs` (one word, no spaces).
- 4. Create the ABContactAnalysisDV PCF file**
  - a) Create the detail view panel PCF in the traininglabs PCF folder. Remember: You should enter `ABContactAnalysis` only as the name, because Studio automatically adds the DV suffix if you select Detail View Panel as the PCF file type.
  - b) Specify a root object of the type `ABContact`. Follow the recommended practice to name your variable. Remember: Use the Required variables tab. (No need to use the Variables tab for this exercise)
- 5. Navigate to the Analysis tab in ABContactSummaryCV.pcf**

Note: This is the PCF file that you modified in the previous exercise.

  - a) Cut the whole Input Column - containing all the widgets - from the Analysis tab and paste it in the `ABContactAnalysisDV` that you created in the previous step.



### 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.)

## 6.2.2 Reference the new Detail View Panel on the Summary screen's Analysis Card

- 1. Go back to ABContactSummaryCV.pcf**
  - a) Delete the existing inline Detail Panel Widget.
- 2. Add a PanelRef widget**
  - a) In the Toolbox, select the PanelRef widget.
  - b) Add the Panel Ref widget to the AnalysisCard in the ABContactSummaryCV.

### 3. Configure the PanelRef widget

- Reference the ABContactAnalysisDV in the Panel Ref.



#### Hint

##### Panel Ref

Include a panel (such as a DetailView, ListView, PanelSet or CardView, etc.) and (optionally) supply it with title, toolbar or instructional text. The `def` property must be configured using the following format:

```
NameOfThePanelToBeIncluded( argument1, argument2, ... )
```

The number of arguments depends on the number of required variables the included panel has.

## 6.2.3 Reference the new Detail View Panel on the Analysis page

### 1. Navigate to ABContactAnalysisPage.pcf

- Delete the existing inline Detail Panel Widget.

### 2. Add a PanelRef widget

- In the Toolbox, select the PanelRef widget.
- Add the Panel Ref widget to the ABContactAnalysisPage.

### 3. Configure the PanelRef widget

- Reference the ABContactAnalysisDV in the Panel Ref.

## 6.2.4 Verification



#### Activity

Verify the work you have done

### 1. Log in to TrainingApp

- Log in as Alice Applegate.

### 2. Reload the PCF changes

- In TrainingApp, reload the changes to the PCF file(s).

### 3. View the Analysis card for William Andy

- Search for William Andy.

- b) In the search results list view, navigate to the William Andy contact.
- c) Click the Analysis card tab.
- d) Verify that you see the Contact Analysis detail view panel.

The screenshot shows the TrainingApp interface. At the top, there is a navigation bar with a logo, the text "TrainingApp", a "Search" dropdown, and a "Contact" dropdown. Below the navigation bar is a sidebar menu on the left with the following options: Actions, Summary (selected), Details, Addresses (3), Notes (5), Social Media, Analysis (selected), Interactions, and History. On the right side, the main content area is titled "Person: William Andy" and "Summary". Below the title, there is a tab bar with three tabs: Basics, Social Media, and Analysis (the latter is highlighted in blue). The main content area is titled "Contact Analysis" and contains several input fields and controls:

- ContactTier: A dropdown menu showing "<none>"
- CustomerRating: An empty input field
- IsStrategicPartner: A radio button group where the "Yes" option is selected
- LastCourtesyContact: A date input field showing "09/25/2018" with a calendar icon next to it
- Fraud Investigations: An empty input field
- WebAddress: An empty input field

#### 4. View the Analysis page for William Andy

- a) In the sidebar menu, click Analysis.
- b) Verify that you see the Contact Analysis detail view panel.

The screenshot shows the TrainingApp interface. At the top, there is a navigation bar with the logo 'TrainingApp', a 'Search' dropdown, and a 'Contact' dropdown. On the left, a vertical sidebar lists several tabs: 'Actions' (highlighted in green), 'Summary', 'Details', 'Addresses (3)', 'Notes (5)', 'Social Media', 'Analysis' (highlighted in blue), 'Interactions', and 'History'. The main content area is titled 'Person: William Andy' and has a sub-section titled 'Analysis'. Under 'Analysis', there are several items listed: 'Contact Analysis', 'Contact Tier', 'Customer Rating', 'Is Strategic Partner?', 'Last Courtesy Contact', and 'Web Address'. The 'Analysis' tab in the sidebar is highlighted with a blue bar.

Icon for stop, consisting of two crossed flags marking the end of a lab.



## 6.3 Lab: Toolbar and edit buttons

As a configuration developer, you want to create a toolbar with edit buttons so that end users can view, update, and create object data in the application UI.

1. **Navigate to ABContactAnalysisPage**
2. **Add a Toolbar with Edit Buttons**
  - a) In the canvas, add a Toolbar with Edit Buttons (Edit|Update|Cancel) to the top-level container widget.

### 6.3.1 Verification



#### Activity

Verify the work you have done

- 1. Log in to TrainingApp**
  - a) Log in as Alice Applegate.
- 2. Reload the PCF changes**
  - a) In TrainingApp, reload the PCF file changes.
- 3. Edit the Analysis page for William Andy**
  - a) Search for William Andy and select the search result.
  - b) In the sidebar menu, click Analysis.
  - c) Edit the Contact Analysis details for William Andy. Fraud Investigations should not be editable.
  - d) Click Update.

### 6.4 Lab: Write it down

1. **Question:** In the sidebar menu, click Summary for the William Andy contact. Next, select the Analysis card. Click Edit. Why is it possible to edit the Contact Analysis details on the Summary page?



Stop