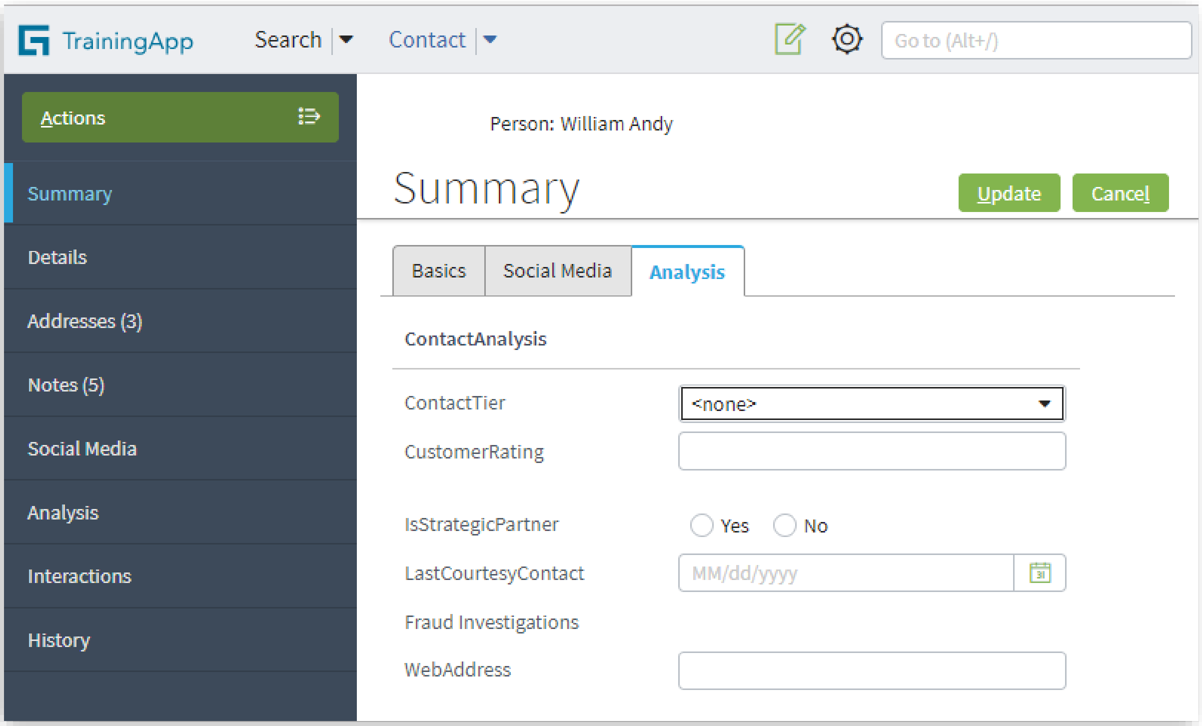
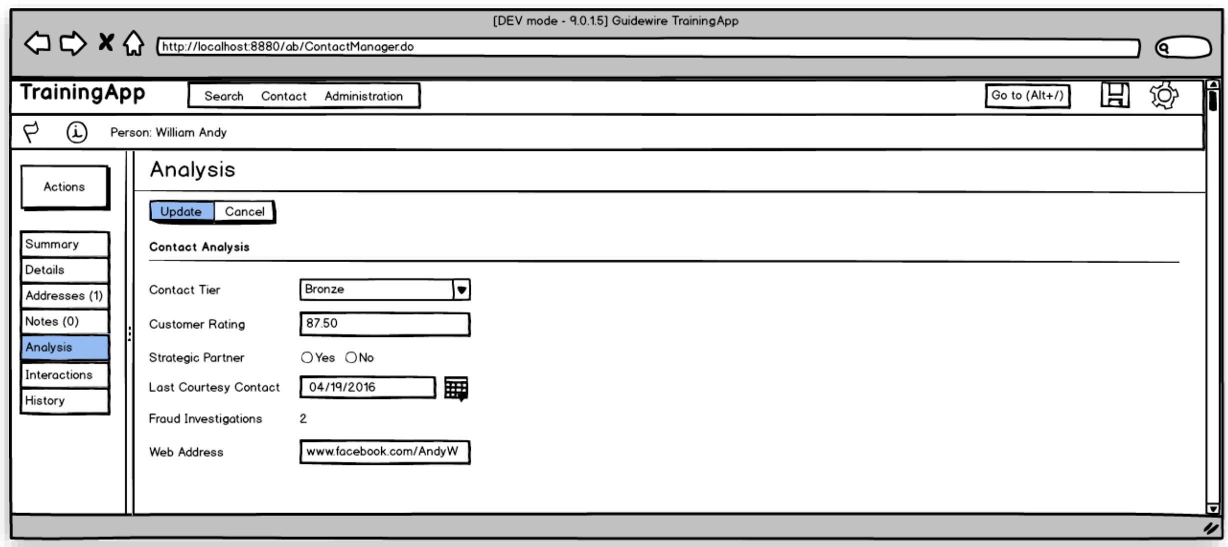
# Lesson 6 **Detail Views**

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.




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**
    a) 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**
    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 ABContactAnalysisPage.
3. **Configure the PanelRef widget**
    a) Reference the ABContactAnalysisDV in the Panel Ref.

## 6.2.4 Verification

### Activity

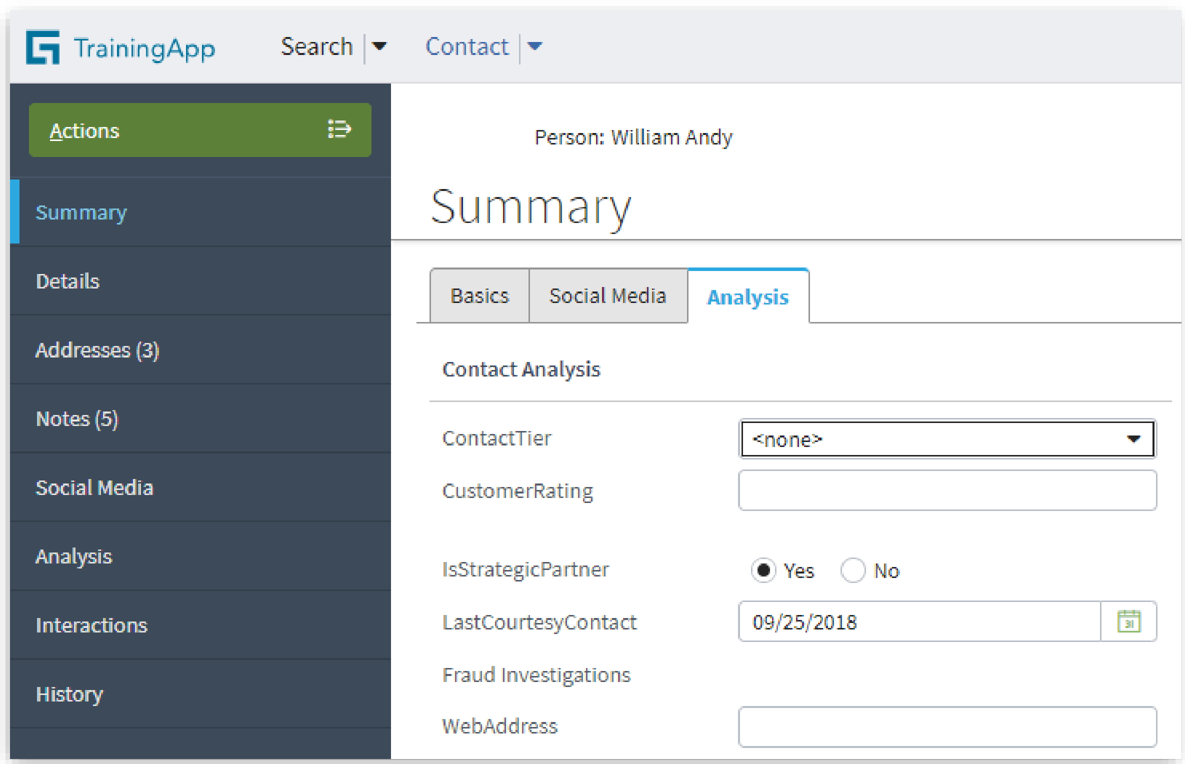
Verify the work you have done

1. **Log in to TrainingApp**
    a) Log in as Alice Applegate.
2. **Reload the PCF changes**
    a) In TrainingApp, reload the changes to the PCF file(s).
3. **View the Analysis card for William Andy**
    a) Search for William Andy.

b) In the search results list view, navigate to the William Andy contact.

c) Click the Analysis card tab.

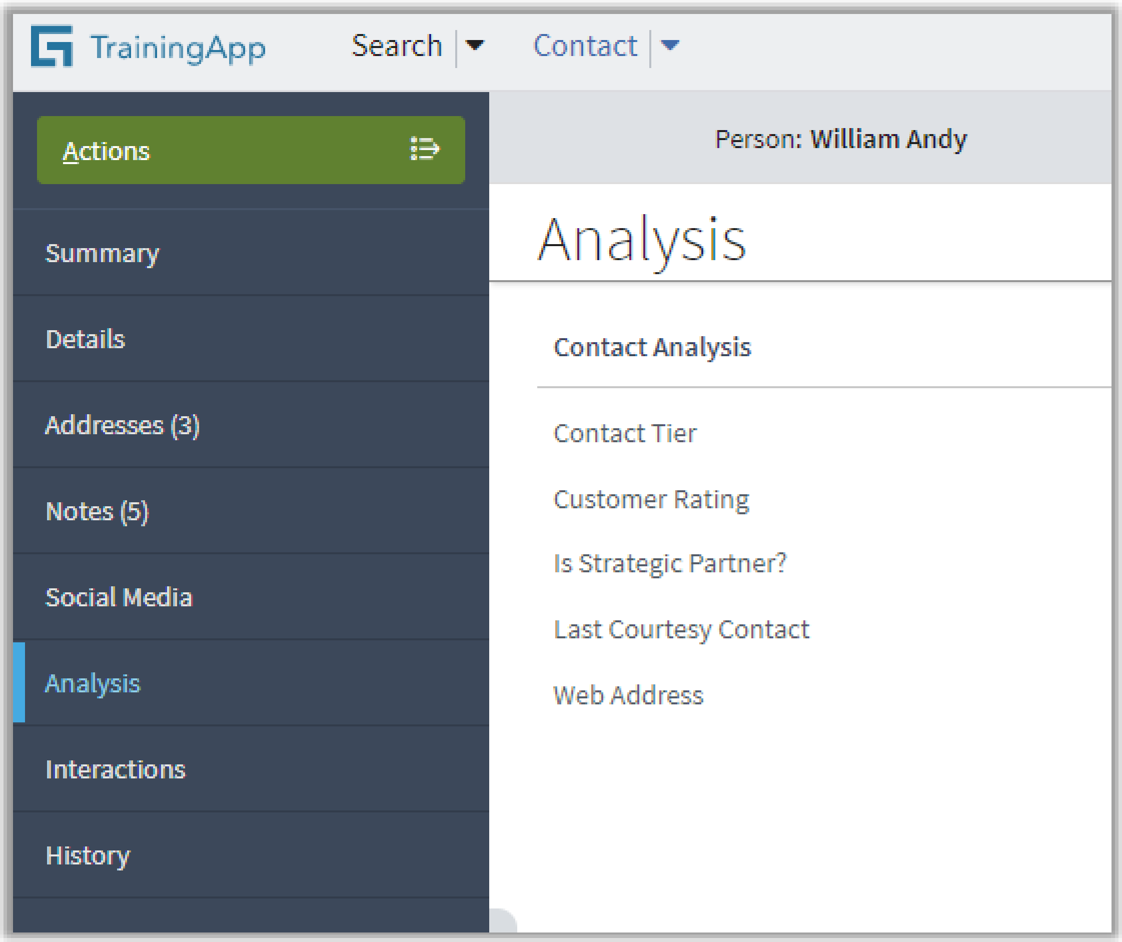
d) Verify that you see the Contact Analysis detail view panel.



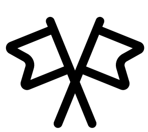

**4. View the Analysis page for William Andy**

a) In the sidebar menu, click Analysis.

b) Verify that you see the Contact Analysis detail view panel.




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



**Stop**

## 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?

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| |

**Stop**

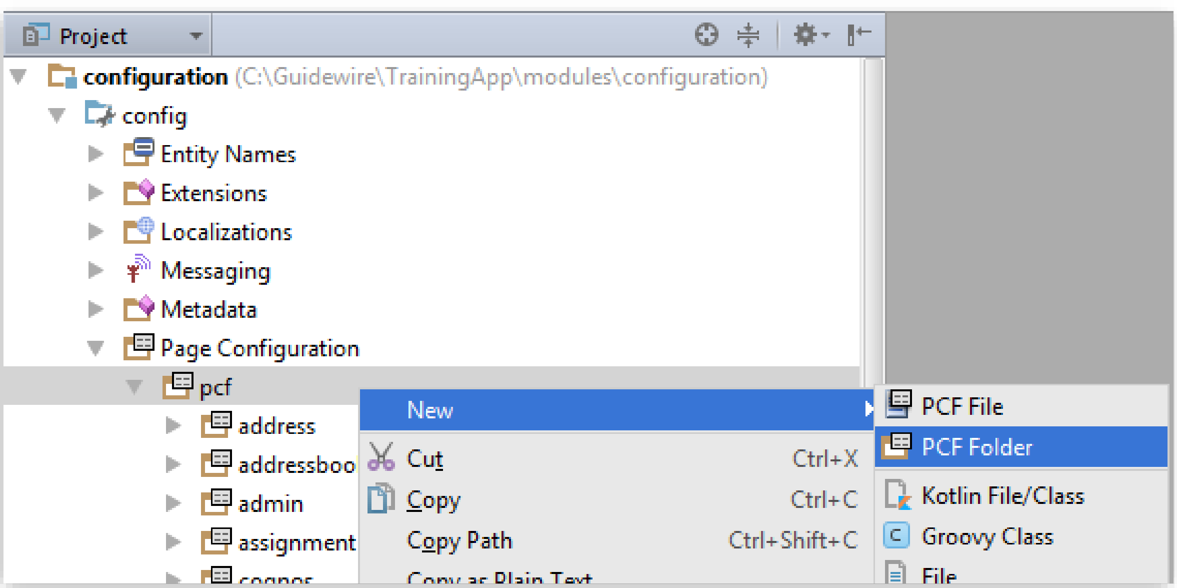
## 6.5 Lab Solution: Reusable Detail View Panel

### Solution

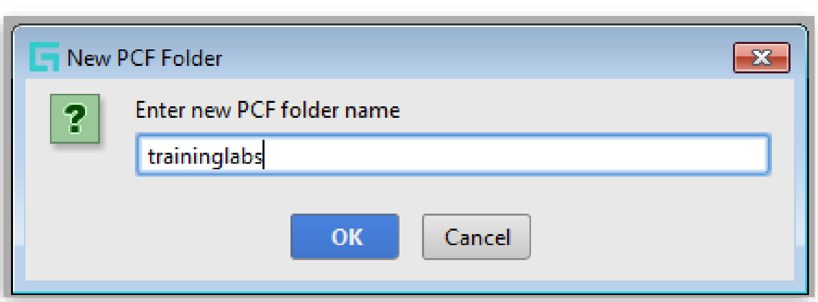
1. **Open Guidewire Studio**
   a) See the Introduction to Guidewire Configuration lesson, if needed

2. **Run or Debug the TrainingApp project**
   a) See the Introduction to Guidewire Configuration lesson, if needed.

3. **Create the traininglabs PCF Folder if it doesn't exist already**
   a) Right click on the pcf node and select `New` → `PCF Folder` from the context menu.

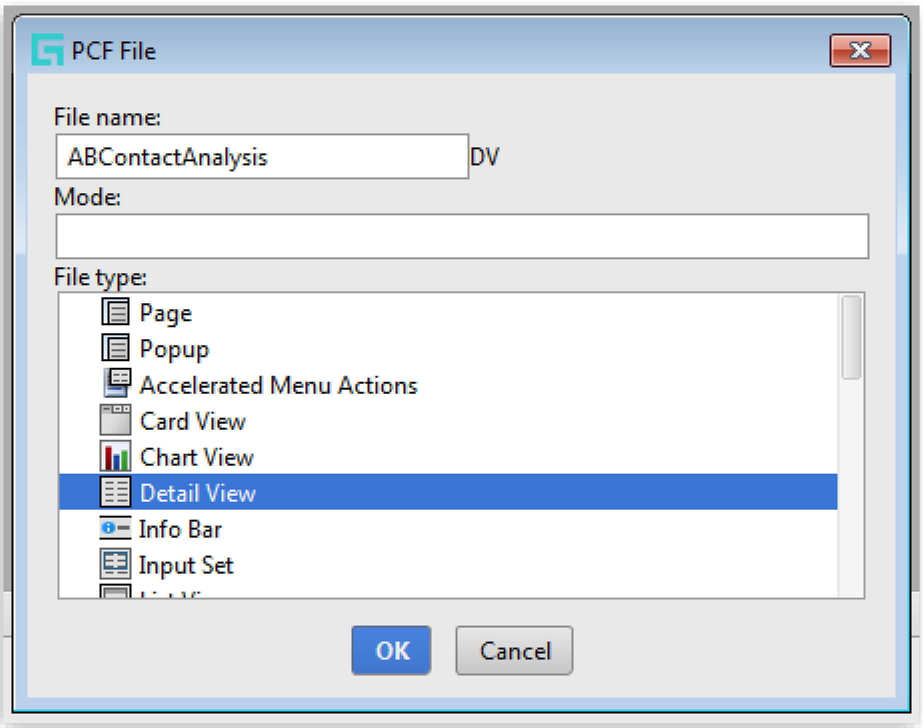



4. **Enter the traininglabs name in the popup – no spaces**

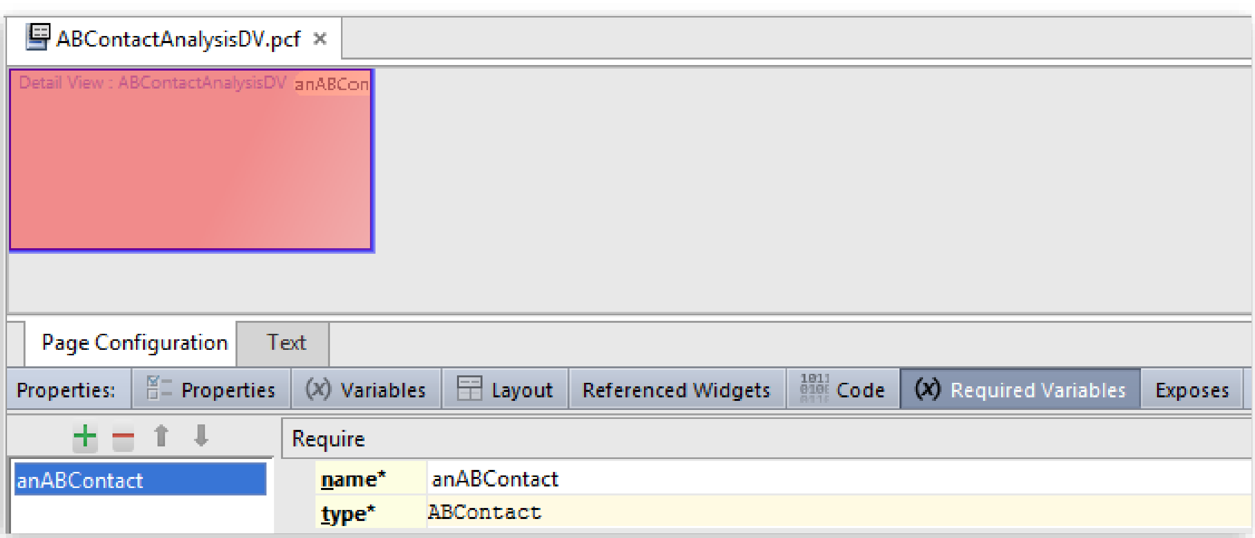


5. **Create the ABContactAnalysisDV PCF file**

a) Right click on the training labs folder and select `New` → `PCF File` from the context menu. Specify the file name and select the file type.

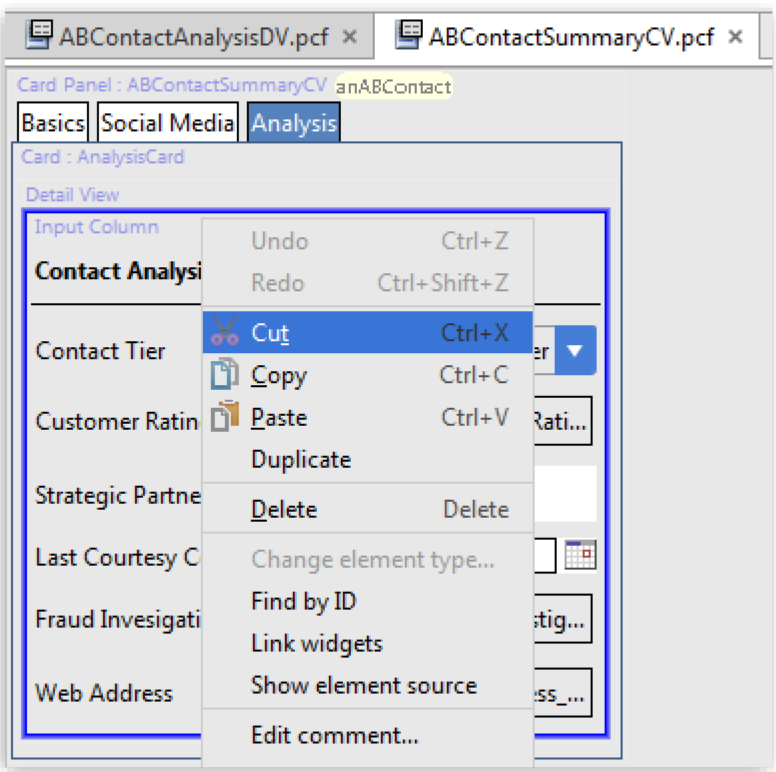



b) Specify a root object of the type ABContact.

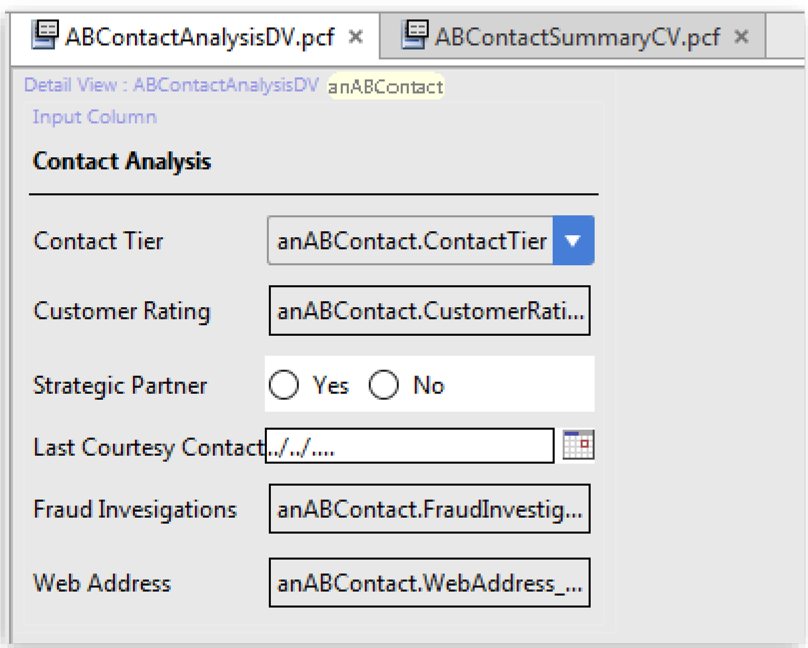



6. **Navigate to the Analysis tab in ABContactSummaryCV.pcf**

a) Cut the whole Input Column - containing all the widgets - from the Analysis tab…



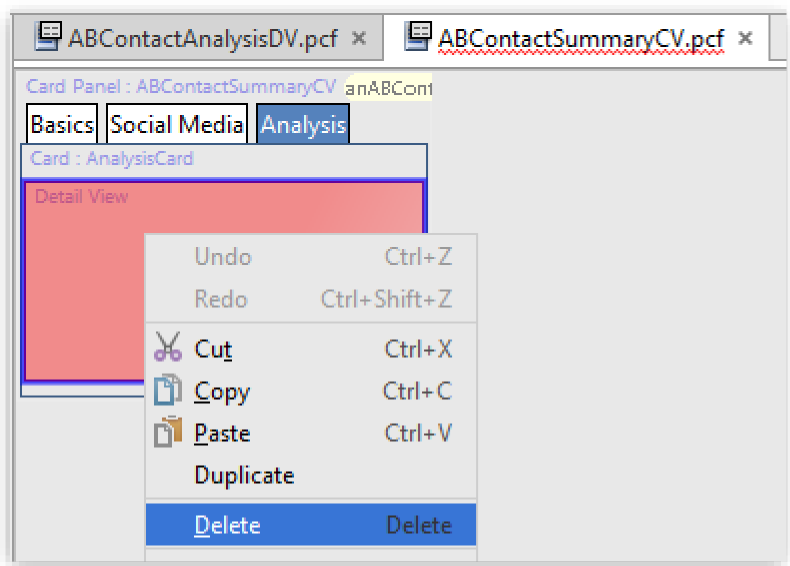

b) …and paste it in the ABContactAnalysisDV that you created in the previous step.



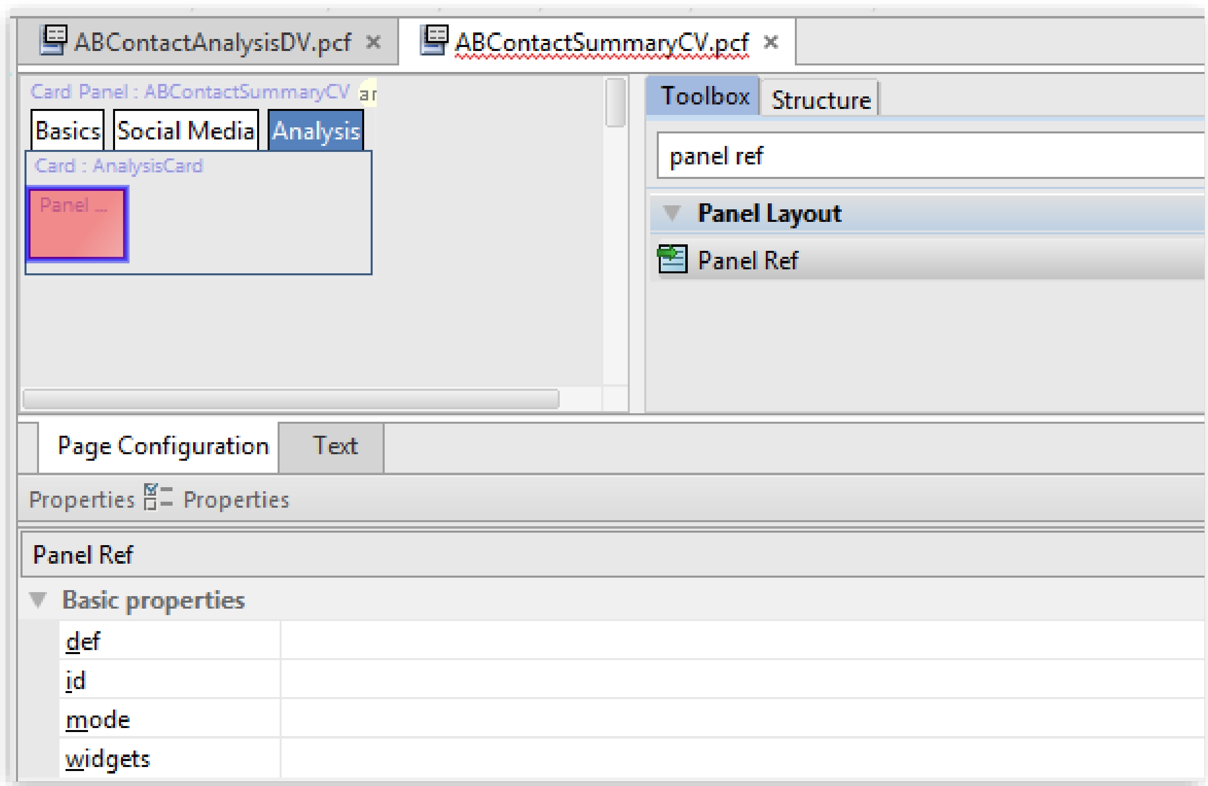
## 6.6 Lab Solution: Reference the new Detail View Panel on the Summary screen’s Analysis Card

**Solution**

1. **Go back to ABContactSummaryCV.pcf**
   a) Delete the existing inline Detail Panel Widget

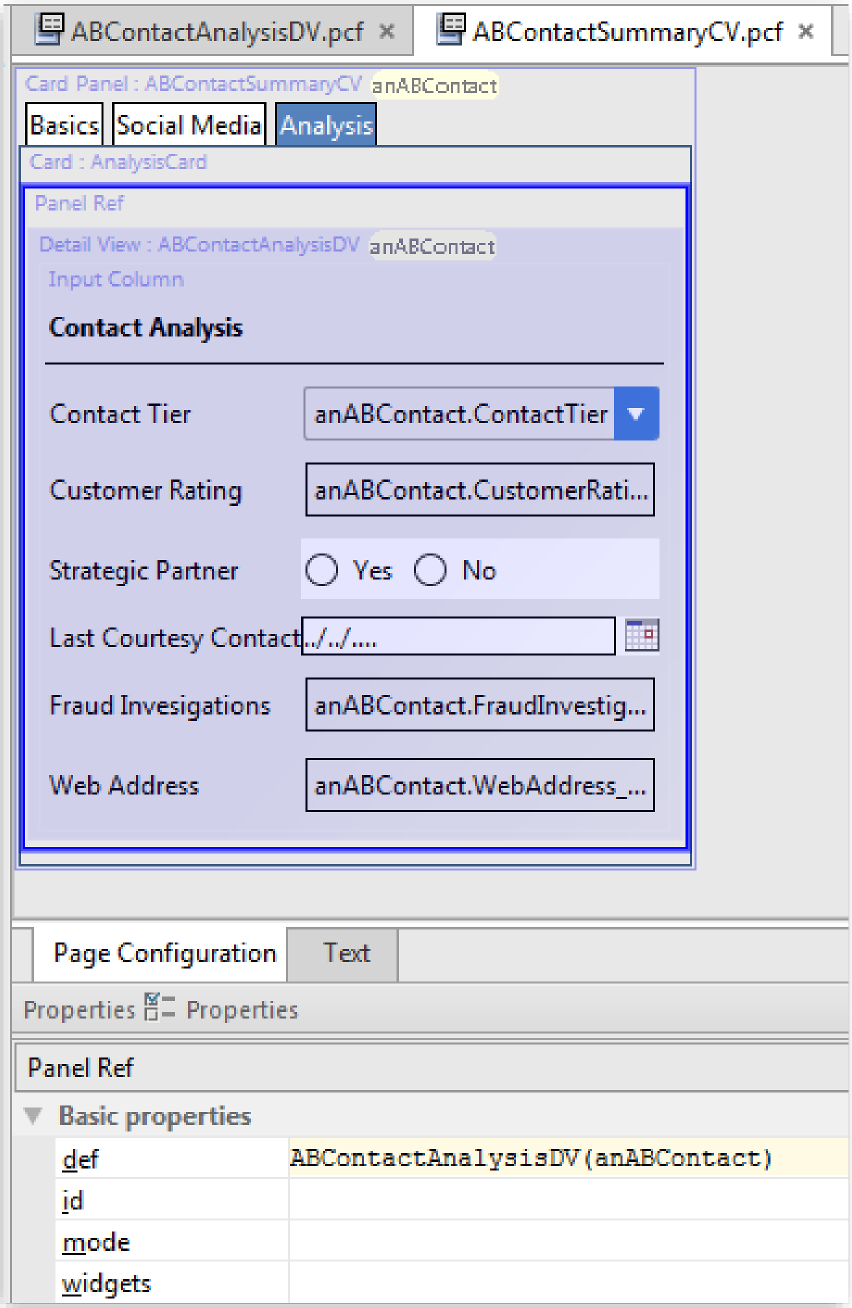



2. **Add a PanelRef widget**
   a) In the Toolbox, select the PanelRef widget.
   b) Add the Panel Ref widget to the AnalysisCard in the ABContactSummaryCV.




**3. Configure the PanelRef widget**

a) Reference the ABContactAnalysisDV in the Panel Ref.

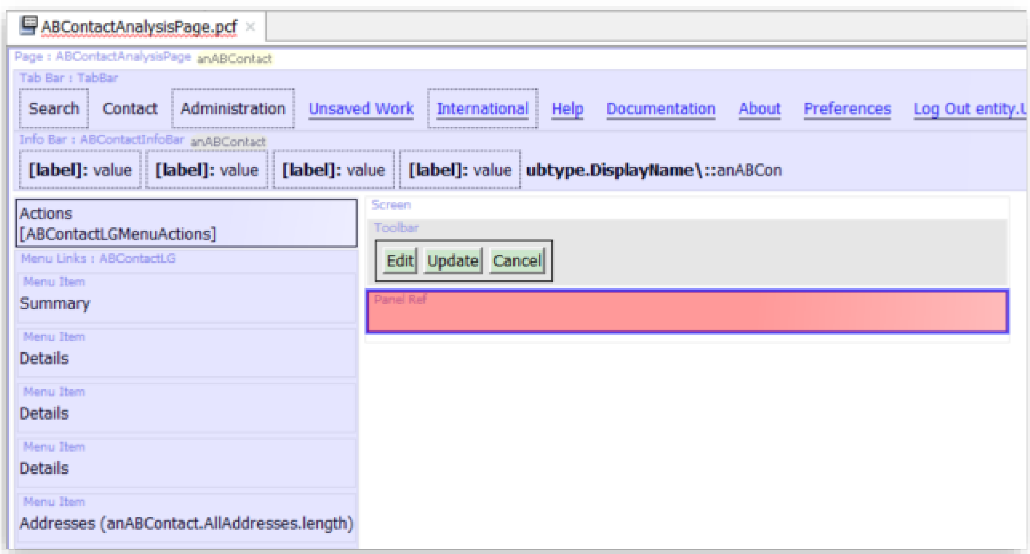

ABContactAnalysisDV.pcf
ABContactSummaryCV.pcf
Card Panel : ABContactSummaryCV
anABContact
Basics
Social Media
Analysis
Card : AnalysisCard
Panel Ref
Detail View : ABContactAnalysisDV
anABContact
Input Column
Contact Analysis
Contact Tier
anABContact.ContactTier
Customer Rating
anABContact.CustomerRati...
Strategic Partner
Yes
No
Last Courtesy Contact
../../....
Fraud Invesigations
anABContact.FraudInvestig...
Web Address
anABContact.WebAddress_...
Page Configuration
Text
Properties
Properties
Panel Ref
Basic properties
def
ABContactAnalysisDV(anABContact)
id
mode
widgets

## 6.6.1 Solution: Reference the new Detail View Panel on the Analysis page

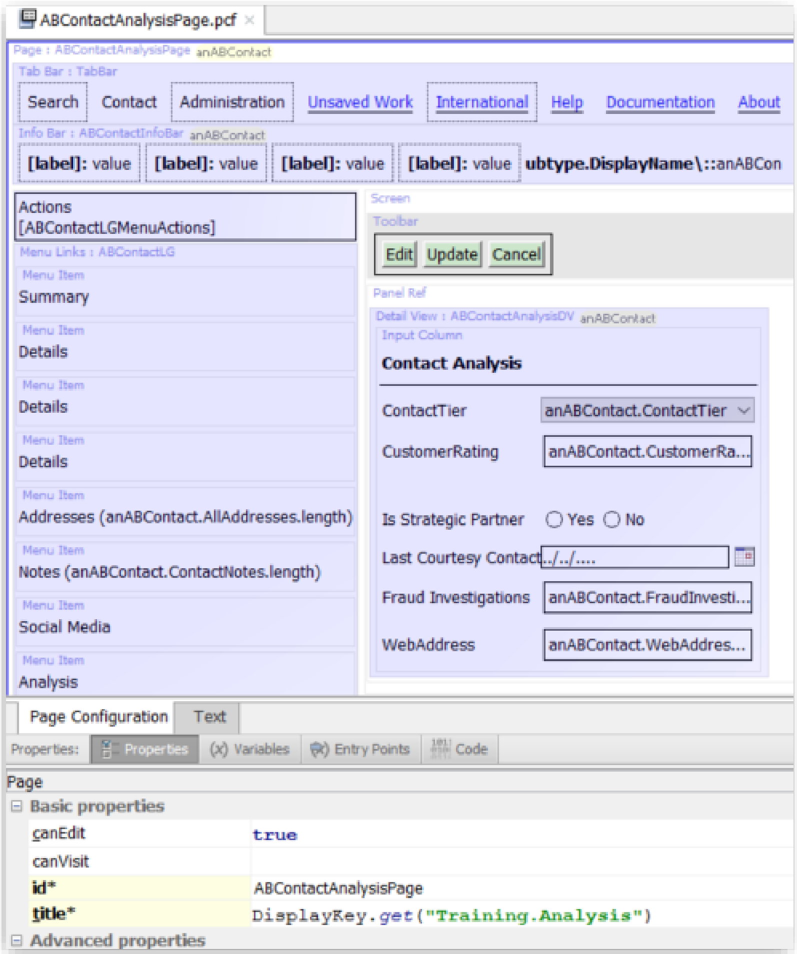
### Solution

1. **Navigate to ABContactAnalysisPage.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 ABContactAnalysisPage.




3. **Configure the PanelRef widget**
   a) Reference the ABContactAnalysisDV in the Panel Ref.

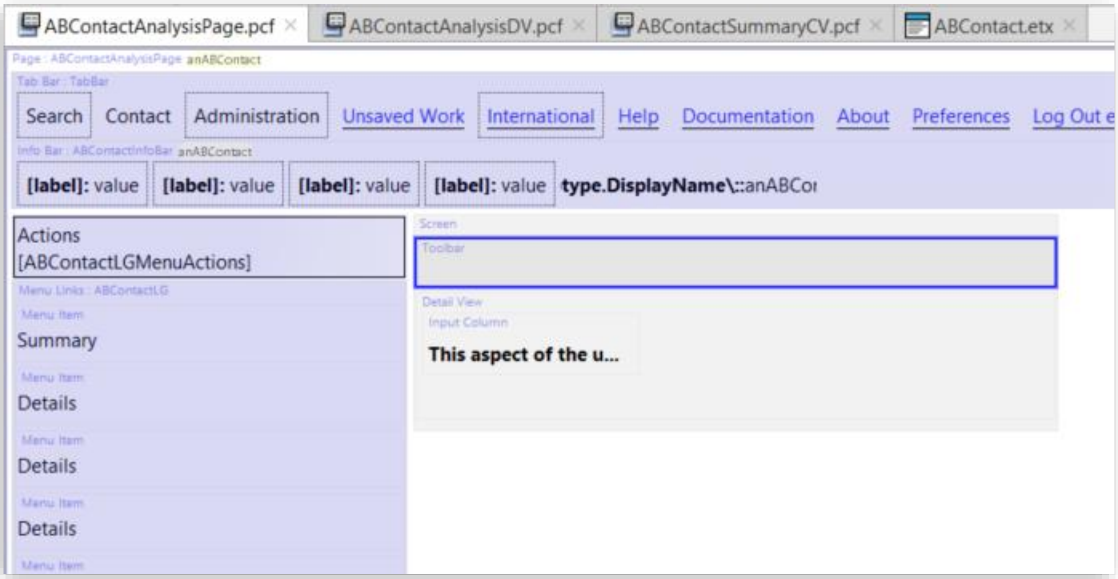



## 6.7 Lab Solution: Toolbar and edit buttons

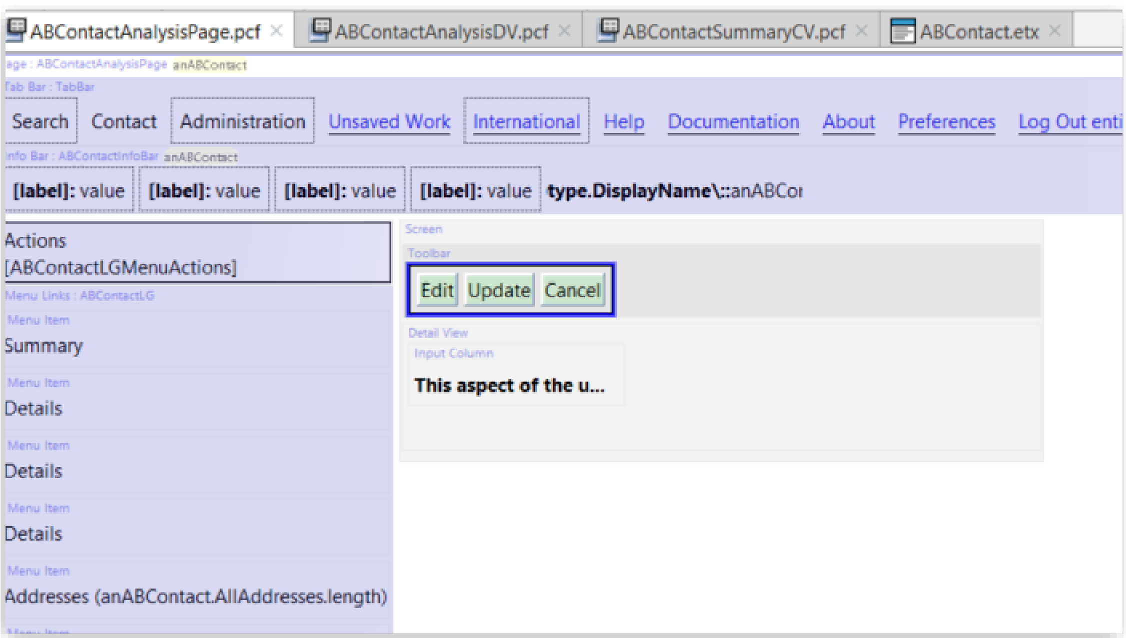
**Solution**

1. **Navigate to ABContactAnalysisPage**
2. **Add a Toolbar with Edit Buttons**

   a) In the canvas, add a Toolbar




b) Add Edit Buttons




## 6.8 Lab Solution: Write it down

**Solution**

1. **Question: In the sidebar menu, click Summary for the William Andy contact. Next, select the Analysis card.**

   a) Click Edit. Why is it possible to edit the Contact Analysis details on the Summary page?

| |
|---|
| Because ABContactSummaryScreen in ABContactSummaryPage already has a Toolbar and Edit Buttons. |

## Stop