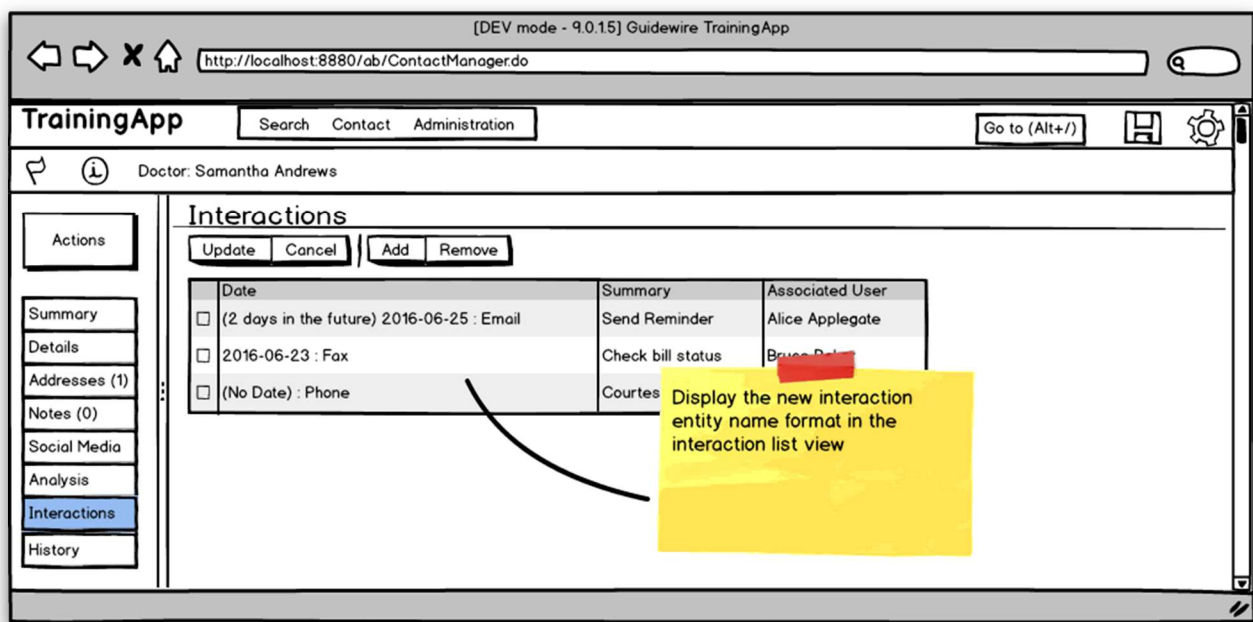# Lesson 11   Entity Names

"We defined a new format to display interactions in the UI. This will help users to easily identify additional information about each interaction. The same format may be needed at multiple places later, so it needs to be easily reusable and performant. The Interaction date should be displayed in the string format shown in the wireframe below. Only limited information should be retrieved from the database to construct the string values for interaction date." – Insurance company business analysts

Required display of InteractionsLV:

As a configuration developer, you want to be able to create entity names, so that you can define reusable, UI friendly names for entity instances. In this lab, you will use the Entity Name editor to create an entity name for the Interaction entities. The interaction date field will display a string constructed in the format shown above. Then, you will modify the Intercations list view to display the entity name.

11.1   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`.

11.2   Lab: Create and reference an entity name

In this lab, you will first create the entity name for the Interaction_Ext entity. Then, you will modify the InteractionsLV.pcf file to display the entity name.

1. **Create an <u>Interaction_Ext</u> entity name**
2. **Create the following variables in the variable table**

   a) Add the `interactionDate` variable with the entity path `Interaction_Ext.InteractionDate`

   b) Add the `channel` variable with the entity path `Interaction_Ext.Channel`

3. **Define the Default name that returns one of the following three formats using the interactionDate and channel variables**

   a) If the date is null, then return the following:

      (No Date): ChannelType

   b) If the date is more than one (1) day in the future, then return the following:

      (# days in the future) YYYY-MM-DD: ChannelType

   c) Otherwise, return the following:

      YYYY-MM-DD: ChannelType

4. **Modify the InteractionsLV.pcf**

   a) Open the InteractionsLV.pcf

   b) Change the Date Cell widget to a Text Cell widget

   c) Configure the Text Cell widget to…
      - be read-only
      - show the new Interaction_Ext entity name for the currentInteraction object

5. **Restart the server to deploy all the changes**
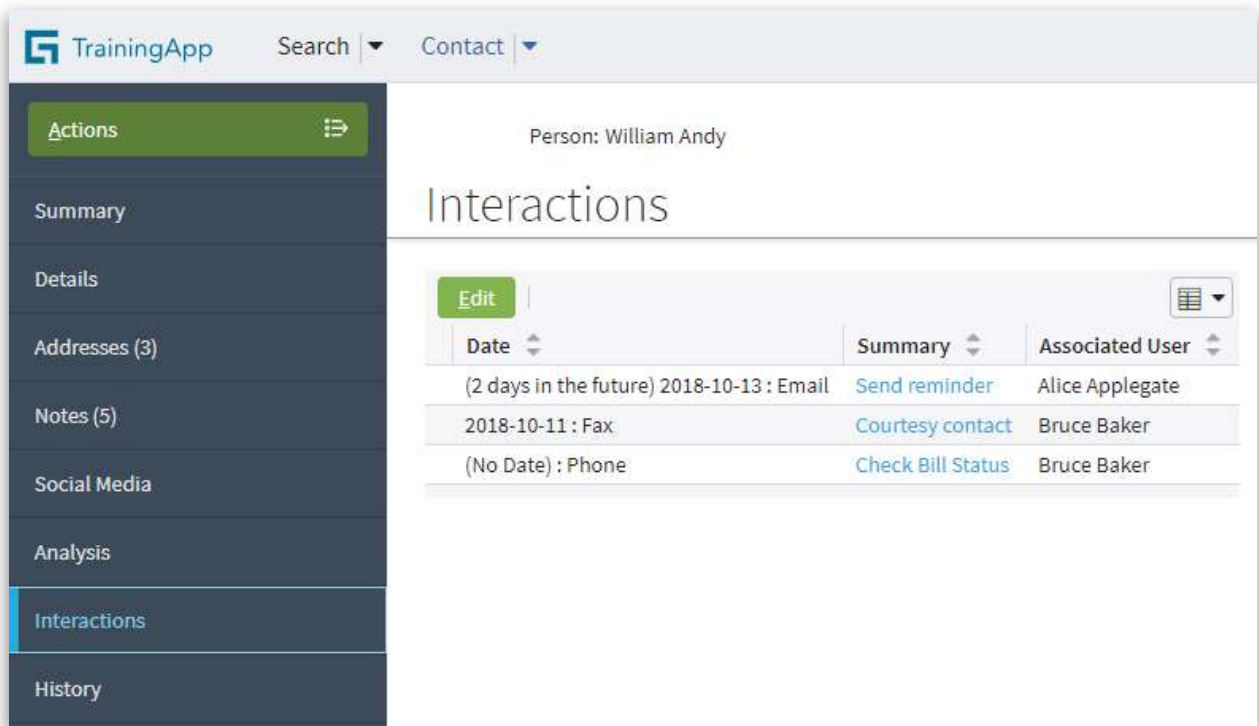
11.2.1   Verification

Activity

Verify the work you have done

1. **Log in to TrainingApp as Alice Applegate**
2. **Edit the Interactions page for William Andy**

    a) Navigate to William Andy

    b) In the sidebar menu, click Interactions

    c) Create an interaction in the future: enter a date that is more than one (1) day in the future; also specify Channel Type, Interaction, and Reason fields

    d) Create an interaction with no interaction date: leave the Date field blank; also specify Channel Type, Interaction, and Reason fields

e) Create an interaction with today's date: enter today's date for the Date field; specify Channel Type, Interaction, and Reason fields
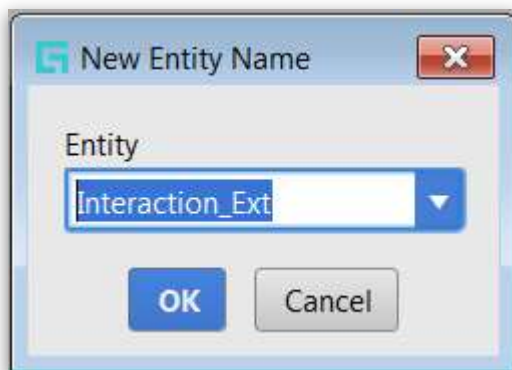
11.3   Lab Solution: Create and reference an Entity Name

Solution

Exact details on how to complete the lab.

1. **Create the new Interaction_Ext entity name in the** …\configuration\config\Entity **Names folder**

2. **Create the variables in the variable table**

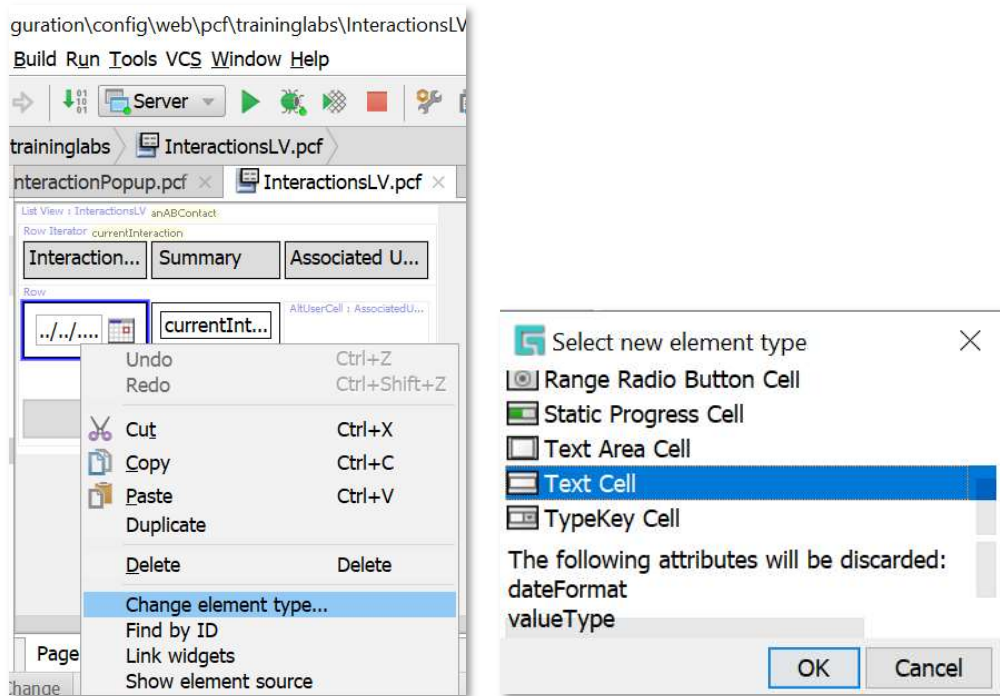| Name	Entity Path	Sort Path	Sort Order	Use Entity Name?
interactionDate	Interaction_Ext.InteractionDate			☐
channel	Interaction_Ext.Channel			☐

3. **Create the Default name**

```
uses gw.api.util.DateUtil

var name = ""

if (interactionDate == null) {
  name = "(No Date) : " + channel.DisplayName
} else {
  var numberDays = DateUtil.currentDate().differenceInDays(interactionDate)
  if (numberDays > 1) {
    name =  "(" + numberDays + " days in the future) " + interactionDate  + " : " +
channel.DisplayName
  } else {
    name = interactionDate + " : " + channel.DisplayName
  }
```
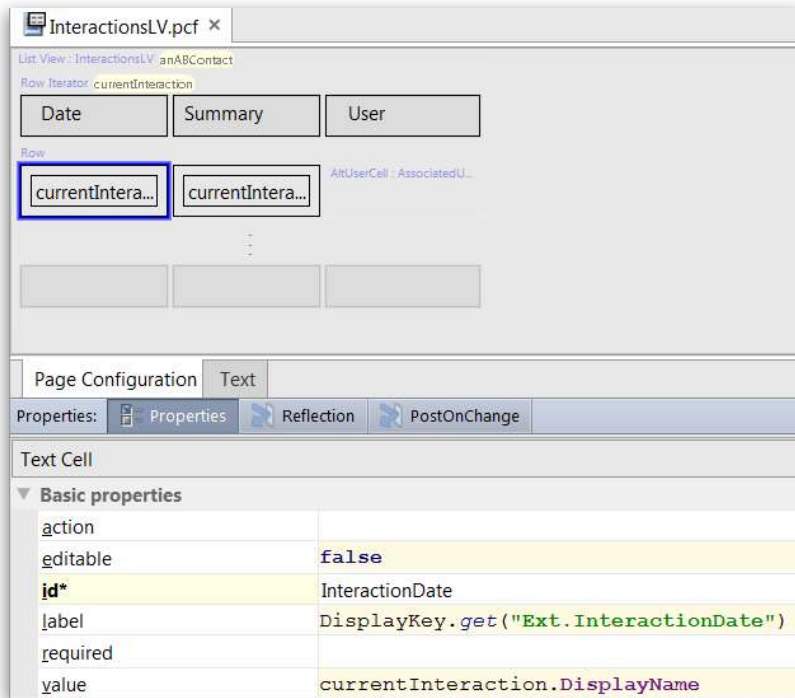
```
    }

    return name
```

4. **Modify the InteractionsLV.pcf – Since the Interaction Date field will now display the entity name, we'll change the InteractionDate element type from Date Cell to Text Cell.**

5. Configure the editable and value properties.

6. Stop and restart the server to check your work.