

Lesson 3 Gosu Queries

This exercise requires that you use **TrainingApp**, **Guidewire Studio**, and a supported web browser. Start **Guidewire Studio for TrainingApp**. Start the server as **Debug 'Server'**.

The default URL for **TrainingApp** is: <http://localhost:8880/ab/ContactManager.do>. Log in to **TrainingApp** as Alice Applegate whose login/password is **aapplegate/gw**.

Exercise 1: Query the assigned user contact



Exercise

Succeed Insurance wants to modify and enhance the ABContactSummary class with a query that meets the requirements listed below.

3.1.1 Requirements

Spec 1 Add an additional property to ABContactSummary.

- AssignedUserWorkload (an integer).

Spec 2 Modify the loadSummaryData method that meets the following criteria:

- Query the total number of Contacts assigned to the current AssignedUser of the displayed contact.
- Set the summary's AssignedUserWorkload to this total.
- If the contact's assigned user is null, then set the AssignedUserWorkload field to 0.

Spec 3 Modify the buildConcatenatedSummary method that meets the following criteria:

- Returns a String that contains the value of all five properties as a comma-delimited list.

3.1.2 Tasks

1. Modify ABContact Summary class.

- a) Add new **AssignedUserWorkload** property.
- b) Modify **loadSummaryData** method.
- c) Modify **buildConcatenatedSummary** method.

2. Deploy code changes.

3. Perform verification steps.

3.1.3 Verification steps

1. Assign a User to an ABContact.

- a) In **TrainingApp**, navigate to the contact that you worked on in the previous exercise, for example: William Andy.

- b) On the **summary** screen, select **Edit** and select an **Assigned User** as Danielle Henson.
 c) Click **Update**.

The screenshot shows the Dynamics 365 Summary screen for a contact named William Andy. At the top, there's a navigation bar with tabs for Basics, Social Media, and Analysis. Below the tabs is a green button labeled "Suggest Least Busy User". The main section is titled "Basic Information" and contains the following data:

Name	William Andy
Public ID	ab:5
Created On	04/11/2018
Assigned User	Danielle Henson

2. Generate console output for ABContactSummary using Gosu Scratchpad.

- In **Studio**, open **Gosu Scratchpad** by clicking **Tools ➔ Gosu Scratchpad**.
- Write code that will test the solution:
 - Create a query that references contact William Andy whose **publicID** is **ab:5**.
 - Make sure only one result is retrieved, otherwise throw an exception.
 - Create a new **ABContactSummary**.
 - Initialize the **ExternalID** sequence counter.
 - Execute the **loadSummaryData** method using the given contact.
 - Retrieve and print the output of the **buildConcatenatedSummary** method.

3. Verify the output

- Verify that the output in the **Debug Console** has four delimited values with correct values:
 - Sequence number
 - Note: this number can vary based on how many times the sequence utility was executed in the previous exercise
 - Public ID
 - Contact name
 - Number of checking account
 - Assigned User Workload