

Exercise Solution: General Objects

Data Interface API

PUBLIC

INTRODUCTION

In this exercise, you will perform the following tasks:

1. Create new buttons in your project called "General Objects"
2. Create a new form in your Visual Studio application for Data Browser object
3. Create a RecordSet object
4. Test your changes

PREREQUISITE:

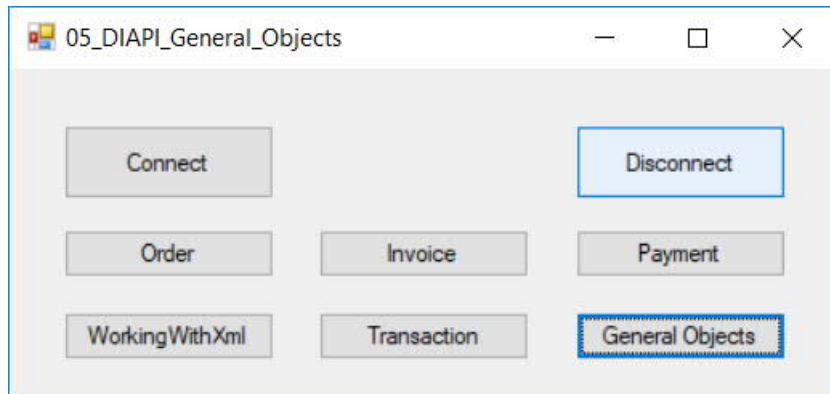
- This document is using the **C Sharp** (C#) language
- This document is using the Microsoft Visual Studio 2015
- Continue to work with the project finalized in previous exercise.
- Use the demo database for SAP Business One, version for SAP HANA or SAP Business One
- Credentials: User code: **manager**

GUIDELINES:

The screenshots provided here are for your reference only and may differ from the actual screenshots in your system.

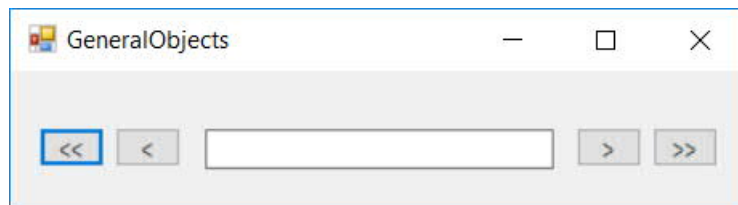
1. TASK - CREATE NEW BUTTONS IN YOUR PROJECT CALLED "GENERAL OBJECTS"

1.1. On your Visual Studio project create a new button called "General Objects"



2. TASK - CREATE A NEW FORM IN YOUR VISUAL STUDIO APPLICATION FOR DATA BROWSER OBJECT

2.1. Create a new form in your Visual Studio application containing a text box where you will show the Business Partners Card Code and four buttons: first, previous, next and last.



3. TASK – CREATE A RECORDSET OBJECT

3.1. Define a variable for the Business Partner object – ensure it is defined as a member of the add-on application class or globally.

SAPbobsCOM.[BusinessPartners](#) oBP;

- 3.2. Create a RecordSet object and set the Browser property of the BusinessPartners object to this RecordSet. Be sure that your application only includes customers, not Leads or Vendors (Suppliers).

```
SAPbobsCOM.Recordset oRecordSet;
oBP =
((SAPbobsCOM.BusinessPartners)(Form1.oCompany.GetBusinessObject(SAPbobsCOM.BoObjectTypes.oBusinessPartners)));
oRecordSet =
((SAPbobsCOM.Recordset)(Form1.oCompany.GetBusinessObject(SAPbobsCOM.BoObjectTypes.BoRecords
et)));
oRecordSet.DoQuery("SELECT * FROM OCRD WHERE CardType = 'C' ");
oBP.Browser.Recordset = oRecordSet;
```







- 3.3. Add the code to all four of the buttons so that the user can navigate backwards and forward through the customers. Be sure that your application only includes customers, not Leads or Vendors (Suppliers).

For example, to move First use the following code. It needs to be changed slightly for the other 3 actions.

```
oBP.Browser.MoveFirst();
this.txtCardCode.Text = oBP.CardCode;
```

4. TASK - TEST YOUR CHANGES

Test your changes. Be sure to include the following scenarios:

- 4.1. Click the "First Record" button () , then click it again. Try the same thing with the "Last Record" button (.
- 4.2. Click the "First Record" button () , then click the "Previous Record" button (.
- 4.3. Click the "Last Record" button () , then click the "Next Record" button (.
- 4.4. If any of these scenarios raises an error, add code that will fix the error. Then test the application again.



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