



## Exercise: Create User Defined Object

User and Data Interface API

PUBLIC

## INTRODUCTION

You would like to build a new Add-On using the SAP Business One Studio for Microsoft Visual Studio.

In this exercise, you will perform the following tasks:

1. Create Use Defined Table
2. Create User Defined Fields
3. Create User Defined Object
4. Insert records to the User Defined Object
5. Bind data on the form
6. Test your Add-On

## PREREQUISITE:

- Use the **C Sharp** (C#) language during this exercise
- Use Microsoft Visual Studio 2005 or higher version
- Continue to work with the project finalized in previous exercise.
- This document is using the SAP Business One Studio for Microsoft Visual Studio 2015
- 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 USER DEFINED TABLE

- 1.1. Create new class (name it UDO) in your Visual Studio Project.
- 1.2. Create a new **CreateUDT** function in Class UDO, which will handle the User Defined Table creation.
- 1.3. Add a User-Defined Table by executing the function **CreateUDT**.

Table name: TB1\_CAR  
Table description: Car Master Data  
Table type: Master Data

- 1.4. Add a User-Defined Table by executing the function **CreateUDT**.

Table name: TB1\_CAR\_D  
Table description: Car Details  
Table type: Master Data Rows

- 1.5. Add a User-Defined Table by executing the function **CreateUDT**.

Table name: TB1\_CAR\_D  
Table description: Car Details  
Table type: Master Data Rows

## 2. TASK - CREATE USER DEFINED FIELDS

- 2.1. Create a new **CreateUDF** function in Class UDO, which will handle the User Defined Field creation.
- 2.2. Add a User-Defined Field by executing the function **CreateUDF**.

Table name: TB1\_CAR\_D  
Field name: MODEL  
Field description: Car Model  
Field type: Alphanumeric  
Field size: 30

- 2.3. Add a User-Defined Field by executing the function **CreateUDF**.

Table name: TB1\_CAR\_D  
Field name: FUEL  
Field description: Fuel Type  
Field type: Alphanumeric  
Field size: 30

- 2.4. Add a User-Defined Field by executing the function **CreateUDF**.

Table name: TB1\_CAR\_D  
Field name: BODY  
Field description: Body Type  
Field type: Alphanumeric  
Field size: 30

2.5. Add a User-Defined Field by executing the function **CreateUDF**.

Table name: TB1\_CAR\_D  
Field name: POWER  
Field description: Horse Power  
Field type: Alphanumeric  
Field size: 30

### 3. TASK – CREATE USER DEFINED OBJECT

3.1. Create a new **CreateUDO** function in Class UDO, which will handle the User Defined Object creation.

### 4. TASK - INSERT RECORDS TO THE USER DEFINED OBJECT

4.1. Create a new **InsertToUDO** function in Class UDO, which will insert data into the User Defined Object.

4.2. Add a User-Defined Object record by executing the function **InsertToUDO**.

### 5. TASK - BIND DATA ON THE FORM

5.1. Add DB Data Source to the form for table **TB1\_CAR**.

5.2. Add DB Data Source to the form for table **TB1\_CAR\_D**.

5.3. Defined *Data Binding* properties for the *EditTex* object displaying the Code from table **TB1\_CAR**.

5.4. Defined *Data Binding* properties for the *EditTex* object displaying the Name from table **TB1\_CAR**.

5.5. Defined *Data Binding* properties for the *Matrix* object displaying the value from table **TB1\_CAR\_D**.

5.6. Set the *AutoManaged* property value to **true** and the *ObjectType* to **TB1\_CAR** for the Form object.

### 6. TASK – TEST YOU ADD-ON SOLUTION

6.1. Search for an existing User Defined Object record.



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