



Exercise: Additional Event Handling

User Interface API

PUBLIC

INTRODUCTION

You want to actively influence the SAP Business One dialogues. Therefore, you need to handle SAP Business One events. You only want to receive the events you are interested in.

In this exercise, you will perform the following tasks:

1. Catch FormLoad event for Sales Order form
2. Catch the click event on the "Rent DVD" button
3. Create an event filter
4. Create object level event

PREREQUISITE:

- Use the **C Sharp** (C#) language during this exercise
- Use Microsoft Visual Studio 2005 or higher version
- 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 - CATCH FORMLOAD EVENT FOR SALES ORDER FORM

- 1.1. Create a function which will handle the mandatory *ItemEvent*.
- 1.2. Create event subscriber for the previously create function before the application run will be called in the **Main** function.



Look for the FormLoad event into the possible events thrown by SAP Business One (Application, Menu or Item events).



Have a look into the Event parameters to find out whether the FormLoad event is coming from the Order form or from another form.

- 1.3. Display the message "Caught Order FormLoad Event" when the FormLoad event for the Order form arrives (use the Application.Message method).

2. TASK - CATCH THE CLICK EVENT ON THE "RENT DVD" BUTTON

- 2.1. Catch the click event on the "Rent DVD" button you've added in the previous exercise. Again, display a message once the event is caught.

3. TASK - CREATE AN EVENT FILTER

- 3.1. Create a filter to only receive the events we are interested in.



To set a filter on the UI events you should use the EventFilter object.



Don't forget to assign the EventFilter to the application you are connected to.

4. TASK - CREATE OBJECT LEVEL EVENT

- 4.1. Create a new function, which will extend the Cancel button with an ItemEvent. First the Form and the Item objects needs to be instantiated to the existing form.
- 4.2. Assign to the oButton object the *ClickBefore* method. After typing the "**oButton.ClickBefore +=**" text you can press the TAB key to generate the event subscriber function automatically.

- 4.3. Display a message once the *Cancel* button is clicked in the event subscriber.
- 4.4. Extend the **SetEventFilters** function with the *Click* event type.



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