

Using Actions in Visual Composer for SAP NetWeaver Composition Environment 7.1



Applies to:

Visual Composer for SAP NetWeaver Composition Environment 7.1 SP4 and up

Summary

A major enhancement provided by Visual Composer for SAP NetWeaver Composition Environment is that multiple actions can be performed with a single click by the user.

To demonstrate this new capability, I created a “Bookshop” application that gives the user the option to search for books, add them to the shopping cart, and get a summary view of the total purchase amount.

I used simulated services for creating this application, so you can export the model I attached (see related content at the end of this article) and run it in your Visual Composer systems.

Author: Jarrod Williams

Company: SAP

Created on: 27 February 2008

Author Bio



Jarrod Williams is a Visual Composer Solution Expert working in the Visual Composer Solution Office.

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How to Use Actions in Your Visual Composer Applications

A major enhancement in Visual Composer for SAP NetWeaver Composition Environment is that multiple actions can be performed with a single click by the user.

The actions can be performed sequentially with conditions for each one, with the subsequent action being dependent on the result of a previous action, as you will see in the following “Bookshop Application” example.

The bookshop application:

- 1) In this bookshop application, the user has the option to search for books and add them to a shopping cart:
 - a. The user can search or browse for a book and add it to the shopping cart by clicking the “Add to shopping cart” button.


Search for Books

Find Books: GO

[All Books](#)

Title
The Busy Executive's Database Guide
Cooking with Computers: Surreptitious Balance Sheets
You Can Combat Computer Stress!
Straight Talk About Computers
Silicon Valley Gastronomic Treats
The Gourmet Microwave
But Is It User Friendly?

Book Details

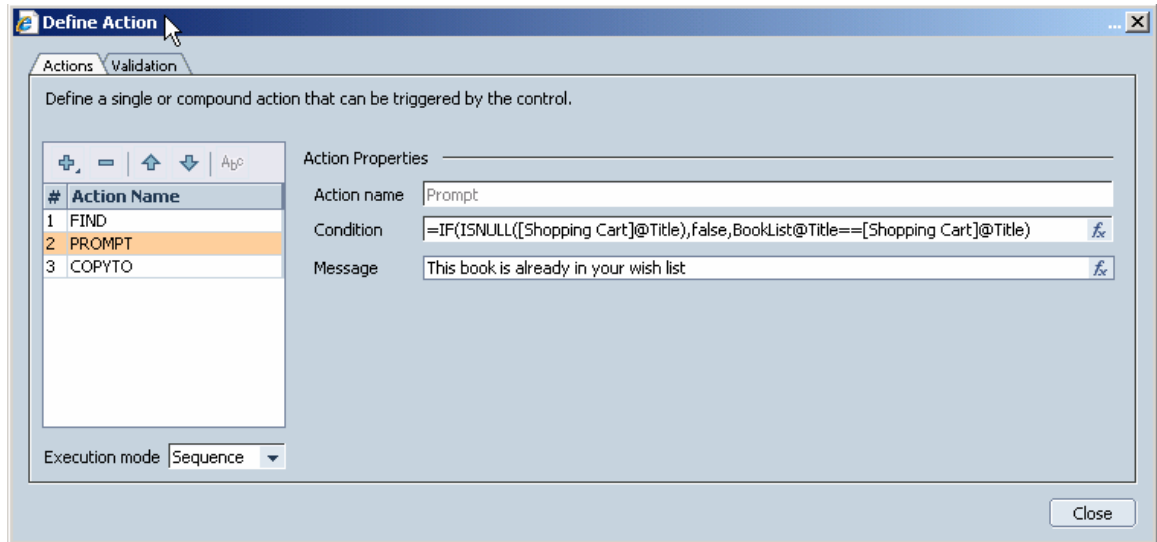
Description: Favorite recipes for quick, easy, and elegant meals. 

Subject: Price:

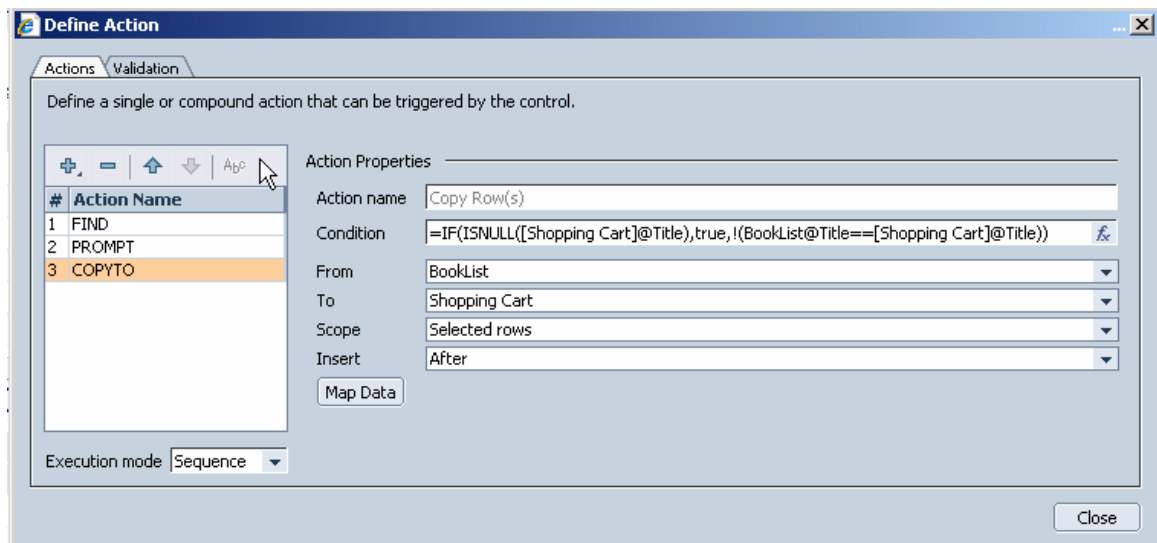
Shopping Cart

Title	Price
Straight Talk About Computers	19.99
But Is It User Friendly?	22.95
Cooking with Computers: Surreptitious Balance Sheets	11.95

- b. If the titles match, then the Prompt action is invoked, displaying a message that the selected book is already in the shopping cart. No other action is performed after this.

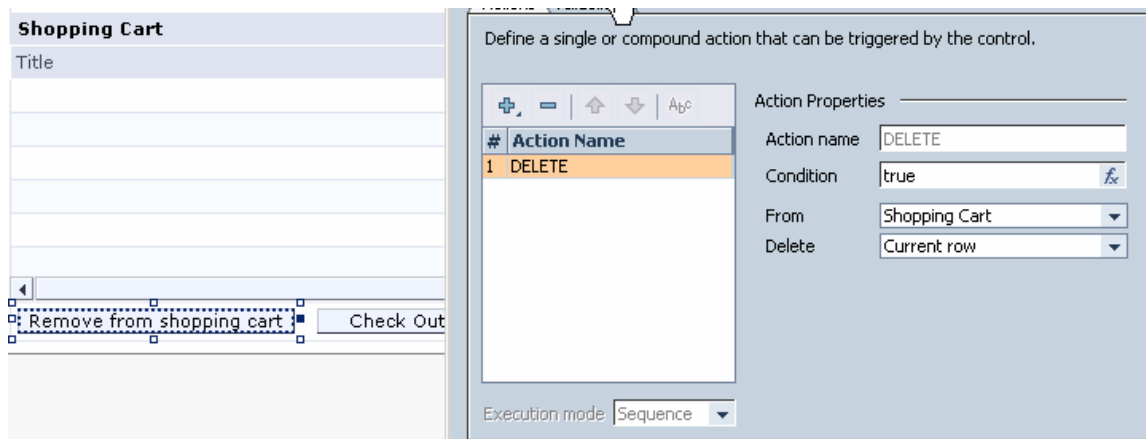


- c. If the titles do not match, then the Copy Row(s) action is invoked and the selected book is added to the shopping cart list.



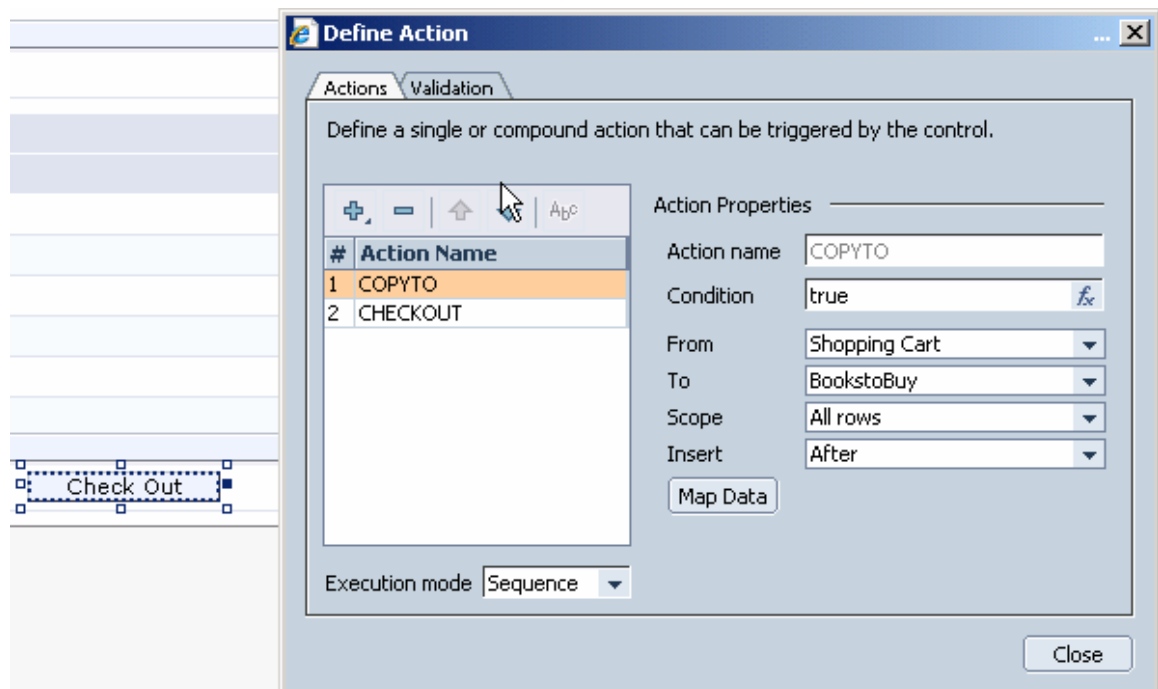
How to remove books from the shopping cart?

- 3) The user can also remove a specific book from the shopping cart. The “Remove from shopping cart” button deletes the selected row from the shopping cart table.

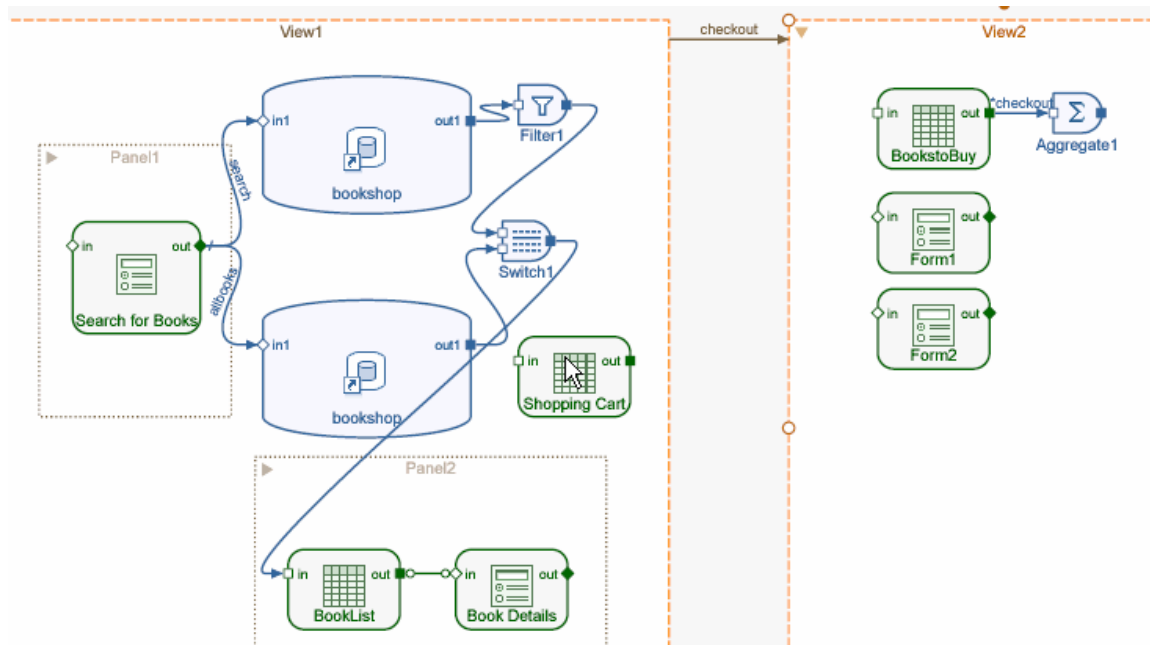


How to display the books from the shopping cart in a summary view?

- 4) After the user finishes selecting the books and adding them to the cart, he or she can click the "Check Out" button to view the total amount of the purchase.
- 5) The "Check Out" button performs two actions;
- It copies all the entries from the shopping cart to the table in the next view.

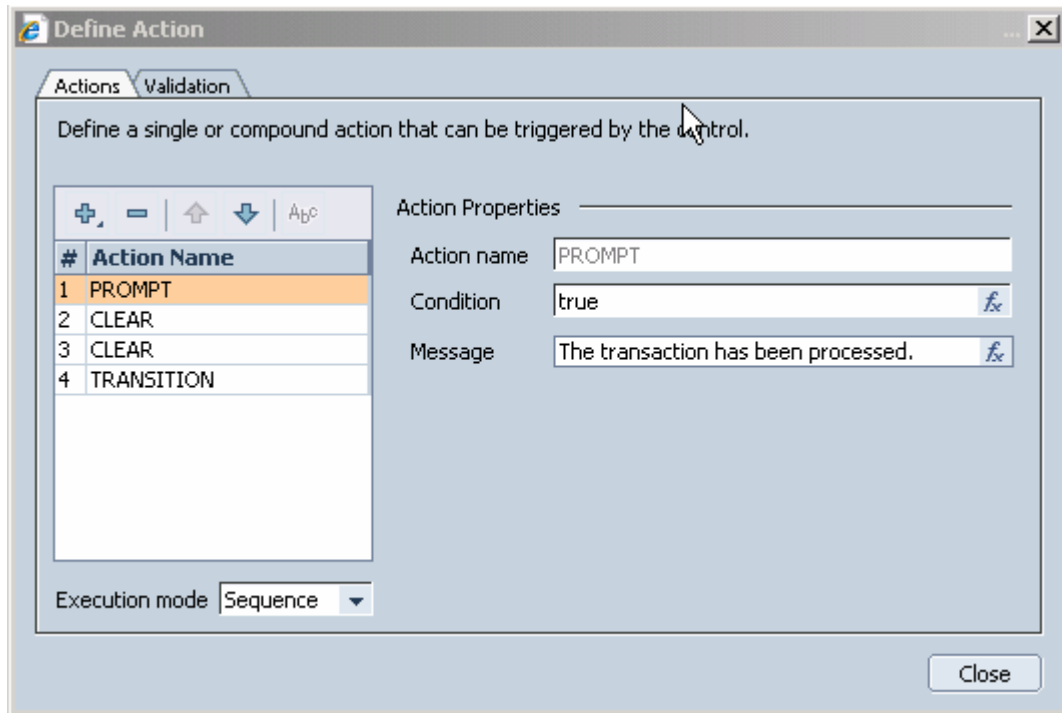


- b. The “Check Out” button also performs the checkout custom action, which triggers a transition to the next view and also runs the aggregate operator which sums the total purchase price for the books purchased.



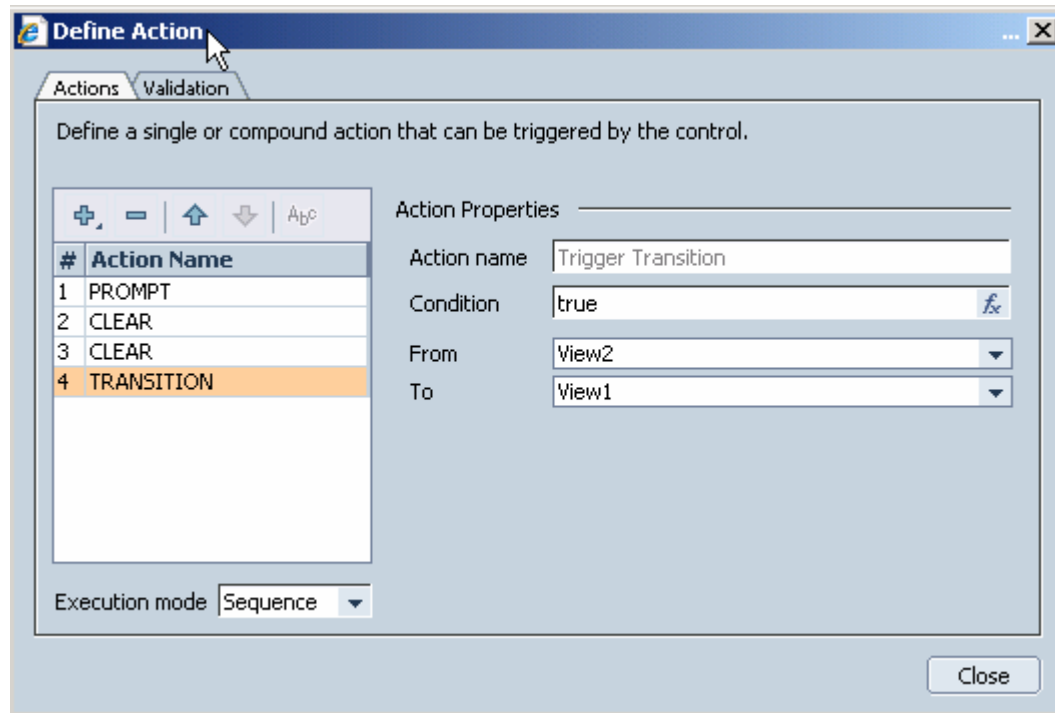
How to perform the Purchase action?

- 6) The second view has two buttons: "Purchase" and "Cancel".
 - a. The "Purchase" button performs four actions.
 - b. The Prompt action triggers a prompt on the screen stating that the transaction has been processed; in a real application we would also have to trigger the purchase.

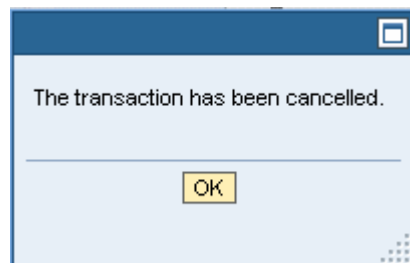


- c. Two Clear actions clear the shopping cart table and the books to buy table respectively.

- d. The Trigger Transition action returns the user to the first screen.



- e. The "Cancel" button does the same thing as the "Purchase" button, but the prompt displayed is different.



Summary

This simple dummy application is designed to show the functionality of sequential actions and provide a use case for the various actions and their application in a sequential flow; therefore the logic and finishing may not be compatible with a real application.

Related Content

[The Visual Composer Bookshop Model](#)

[Visual Composer for CE \(7.1\) page at SDN](#)

[Visual Composer for CE \(7.1\) Forum](#)

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