Multiple Selection List Box

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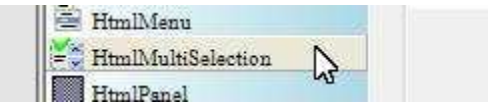
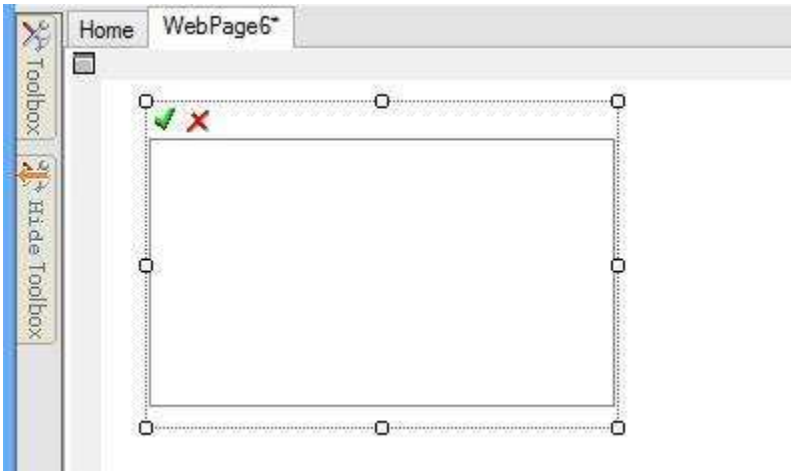
Introduction

When building a web interface for user data entry, sometimes we want to allow multiple selections from a list. HtmlMultiSelection control can be used for implementing such an interface.

HtmlMultiSelection in the toolbox:

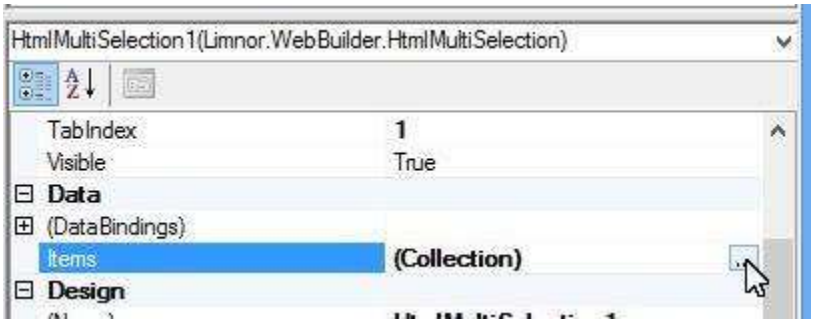


HtmlMultiSelection in a web page:



Set items at design time

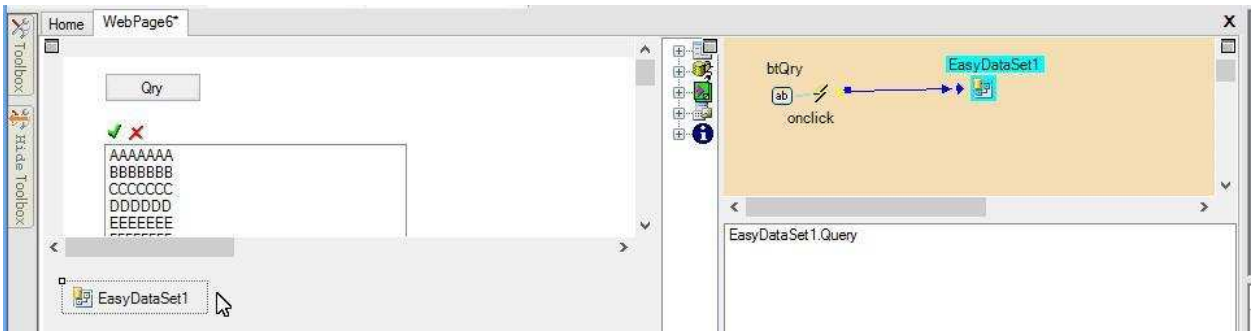
Items property can be set at design time:

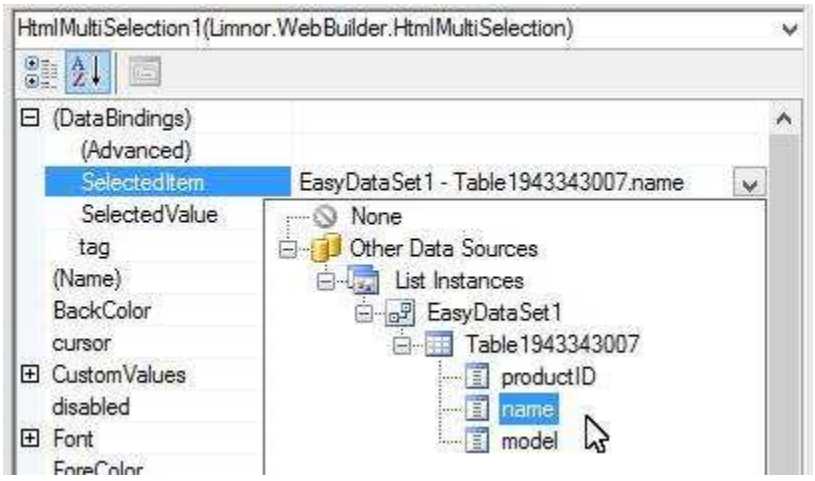


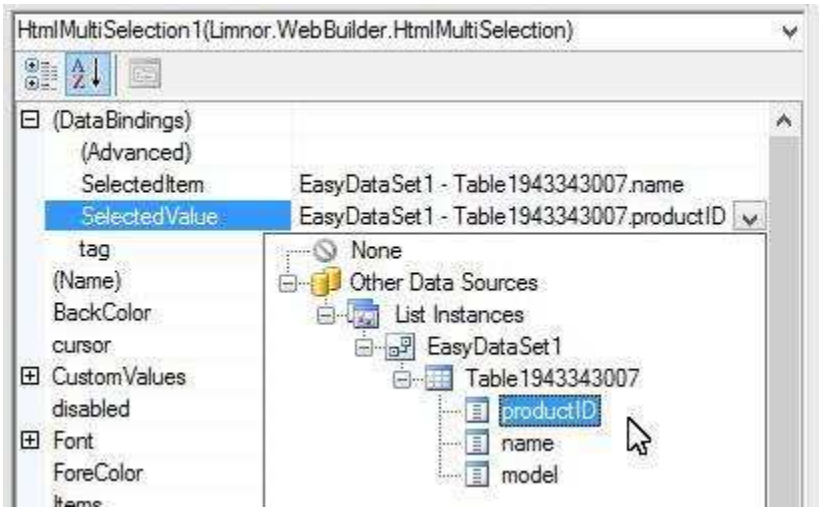
Each line is one item:

Set items by data-binding

We may use an EasyDataSet to query data from a database and set data-binding to set items of the list box at runtime:

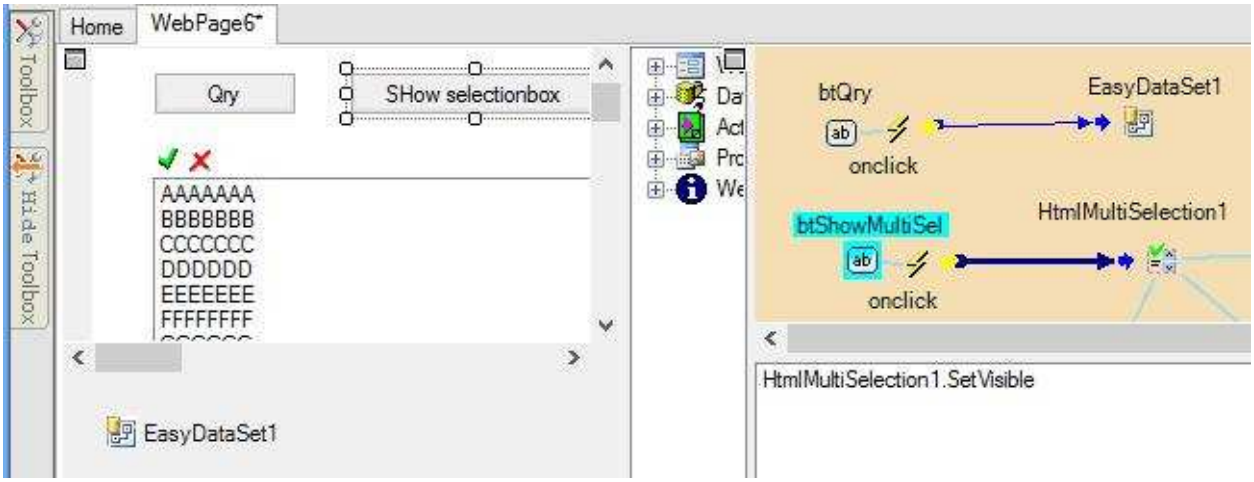






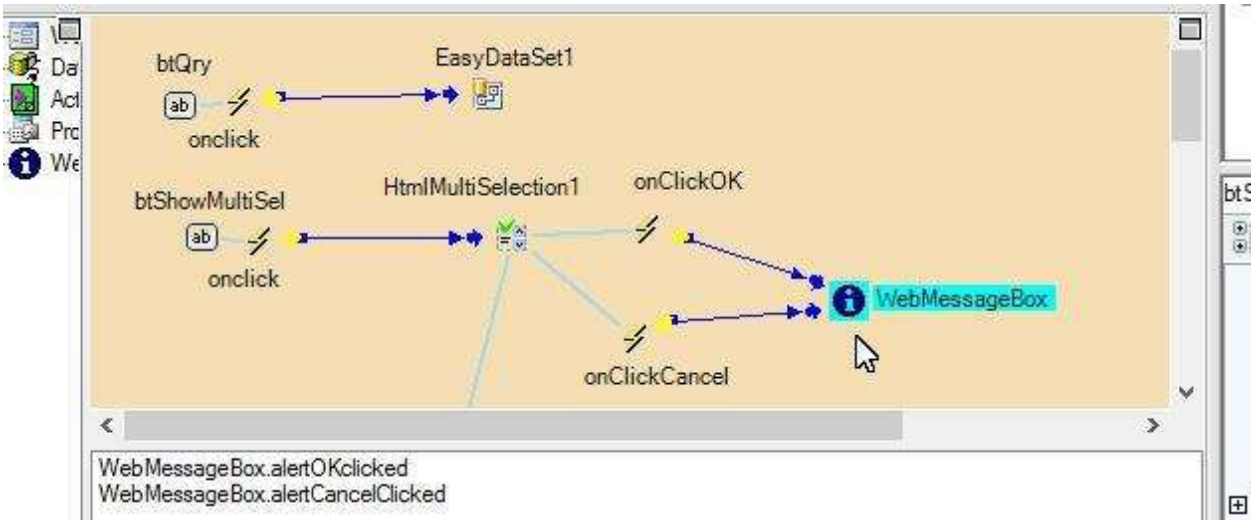
Show List Box

On clicking OK or Cancel buttons ✓ ✗, the list box will disappear. We may set Visible property to True to make it appear again. For example, use a button to execute the action:



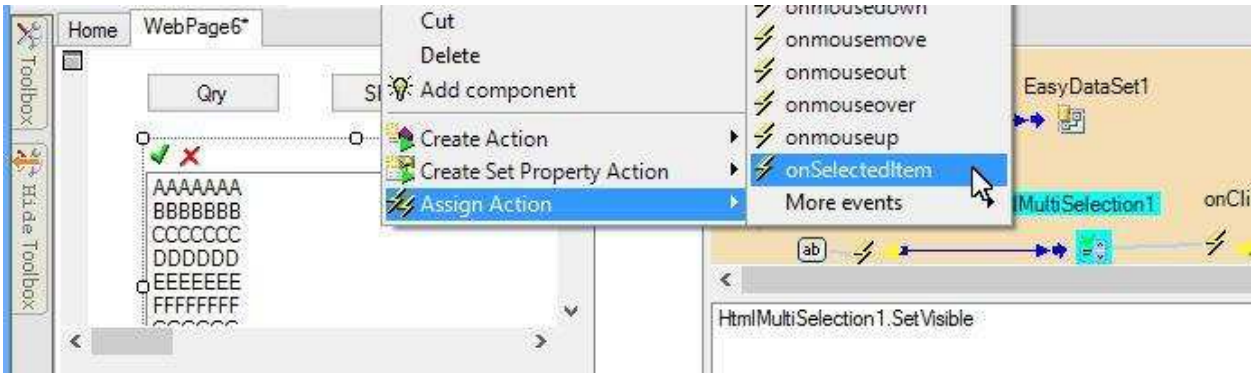
Handle OK and Cancel events

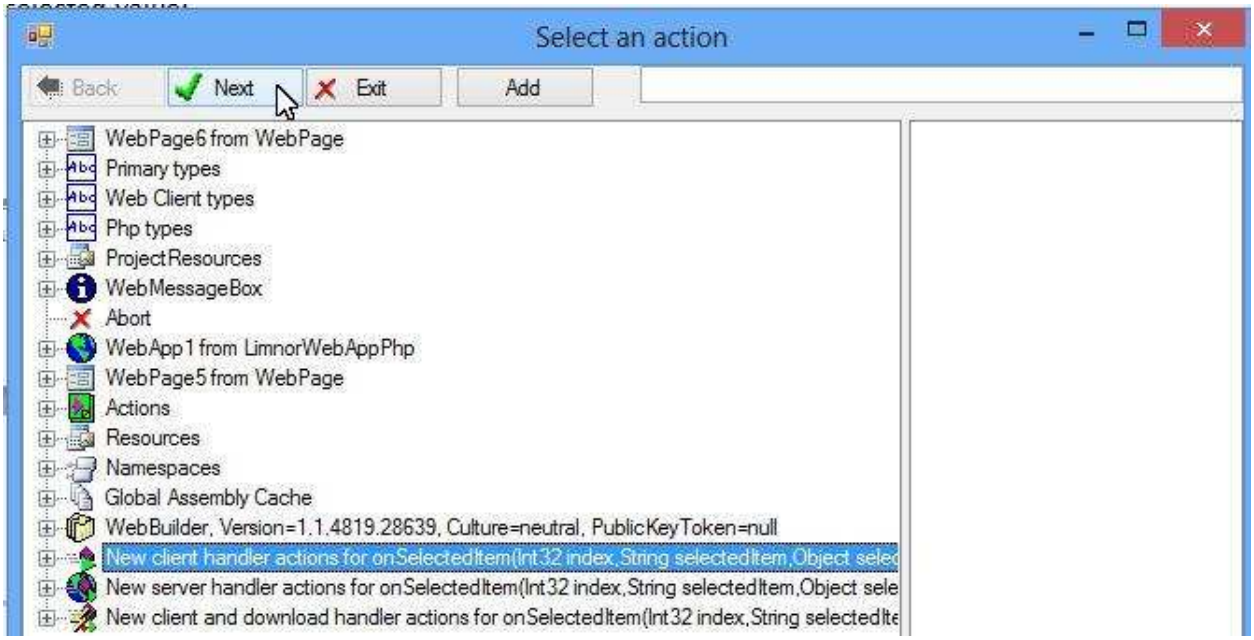
On clicking OK button ✓, event onClickOK occurs. On clicking Cancel button ✗, event onClickCancel occurs. We may handler these events if needed. In this sample, we just show a message box on these events:



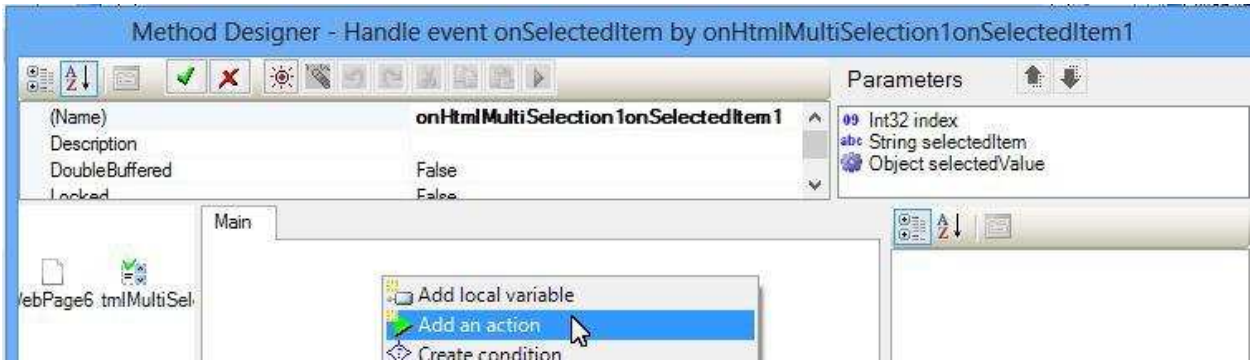
Handle Item-Selection events

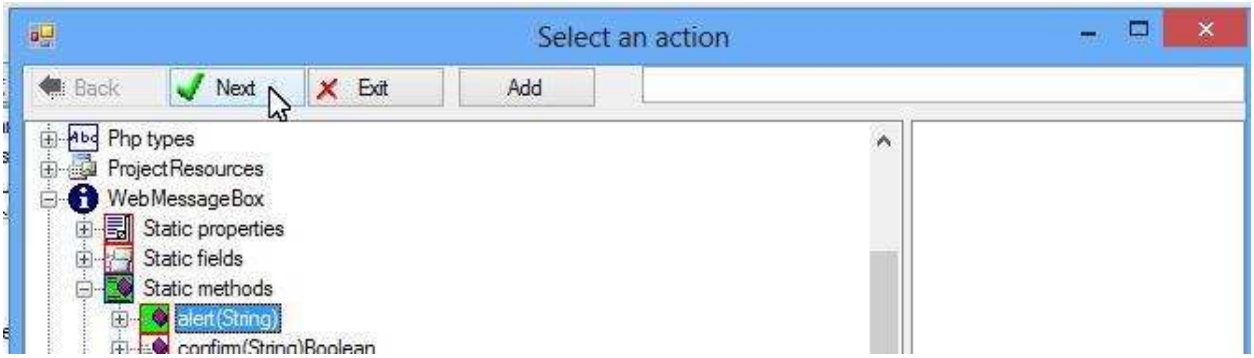
On clicking OK button ✔, event onClickOK occurs. After event onClickOK, if there are items selected then event onSelectedItem occurs for every selected item. We handle onSelectedItem to make use of selected items. Usually we want to create an event handler method so that we may use the selected item and selected value:

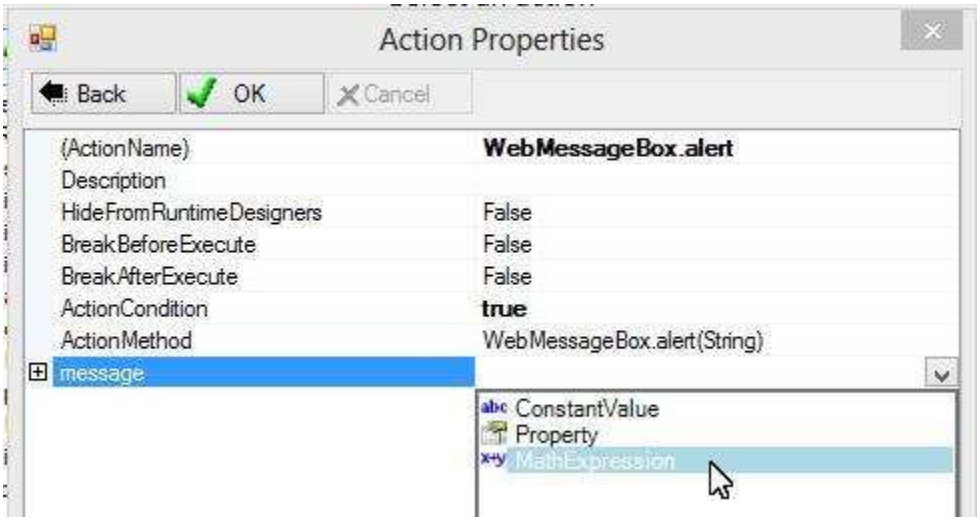




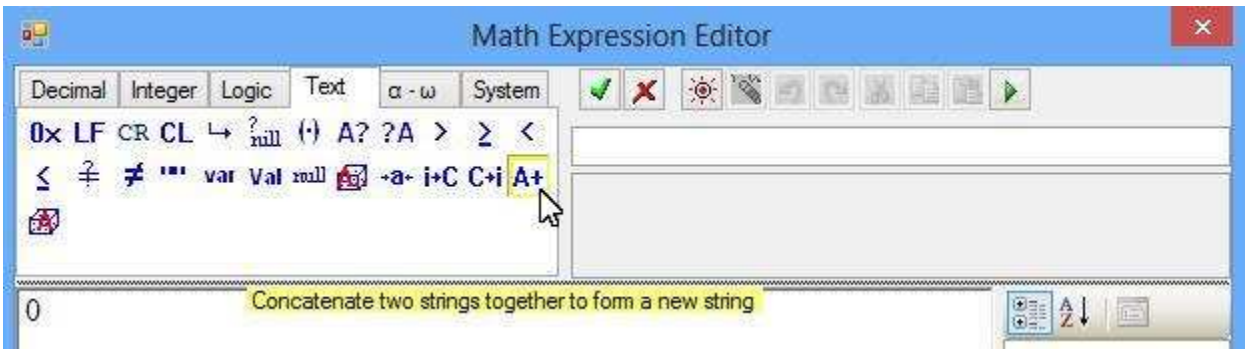
For this sample, we simple show the selected item in a message box:



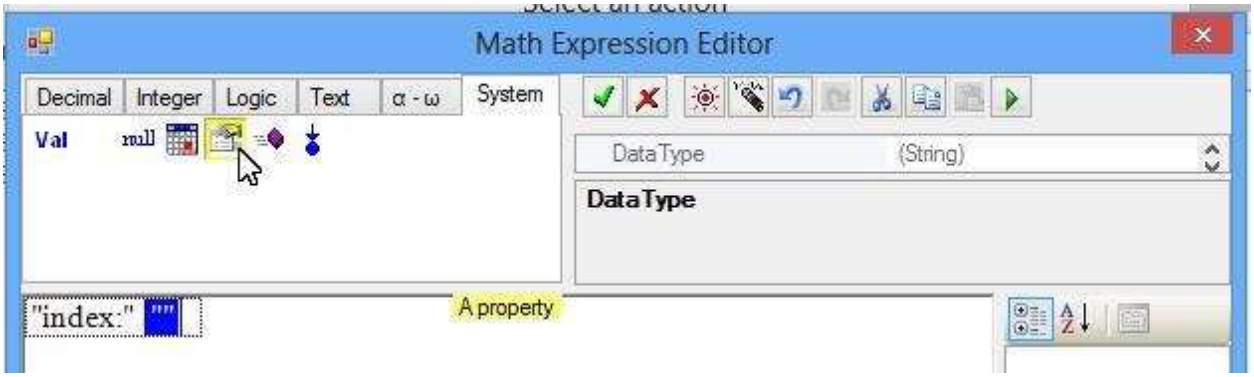


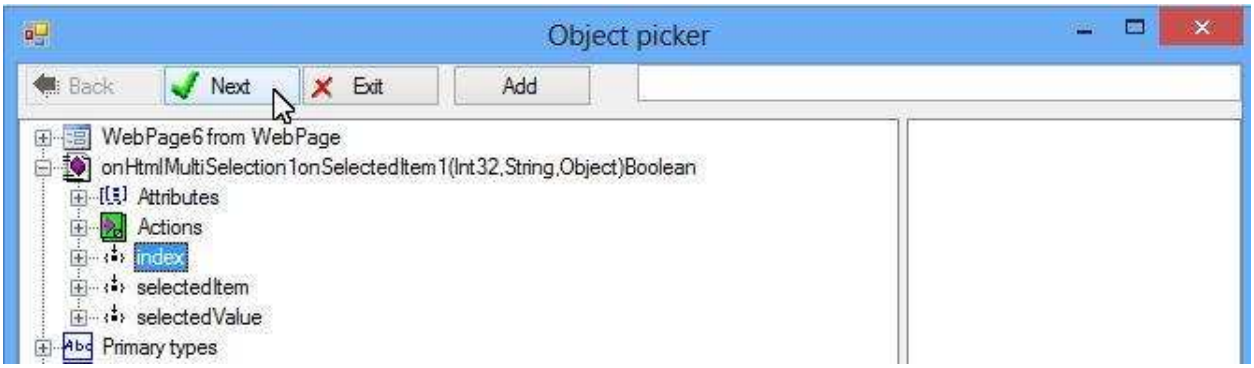


We use string concatenations to form display message:

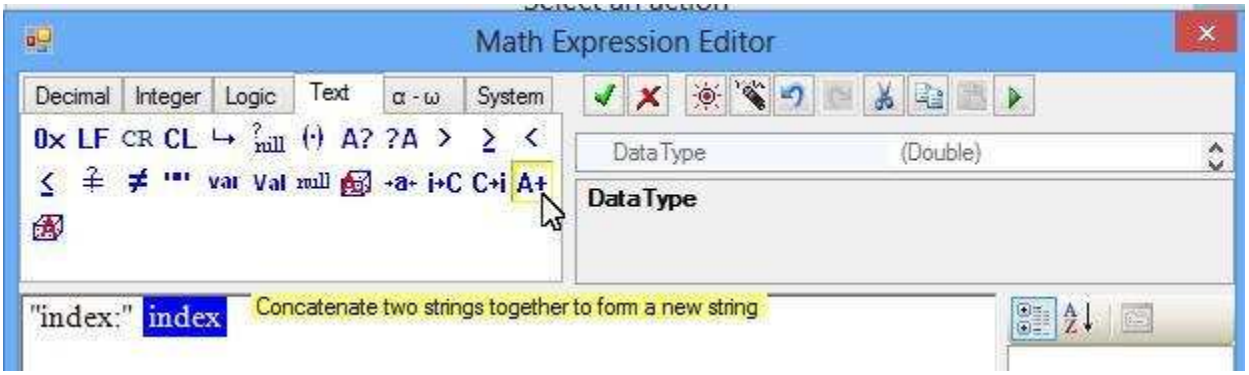


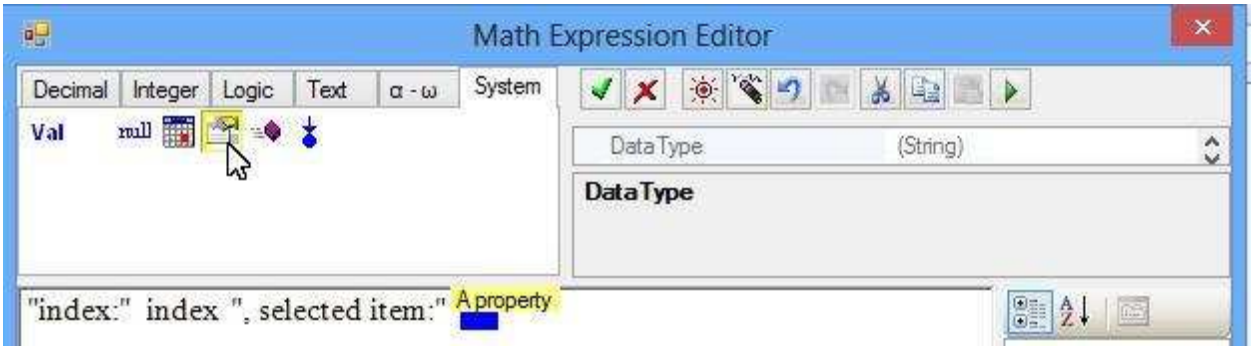
Select property icon to use an event parameter:

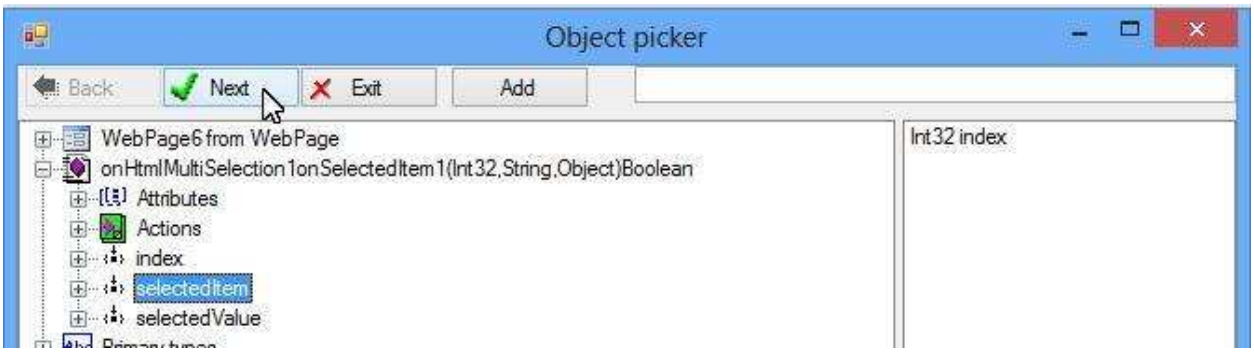


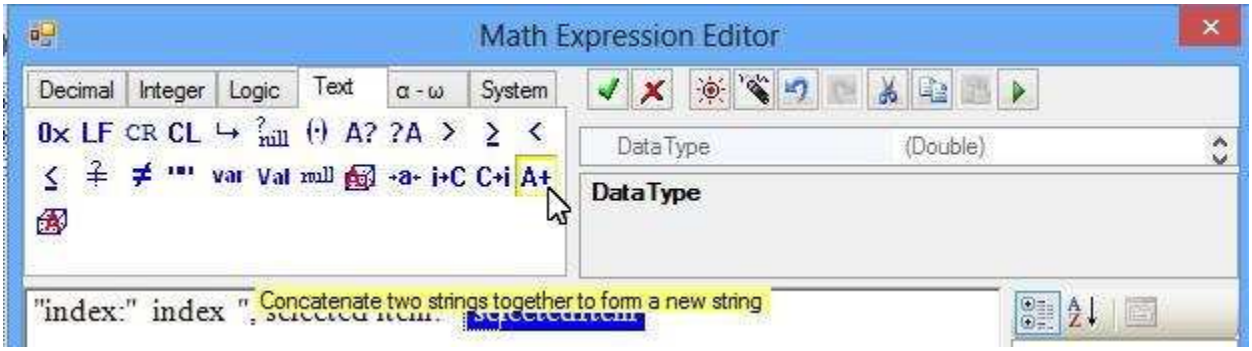


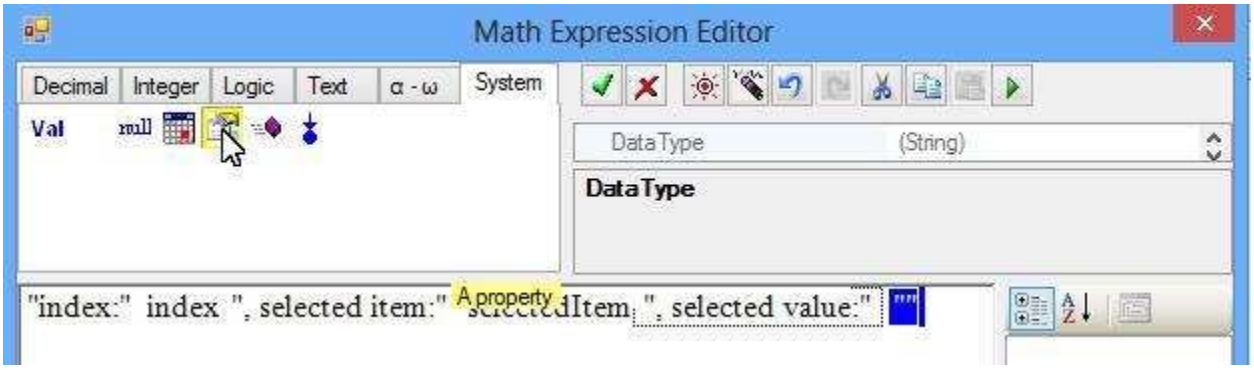
Show more event parameters:

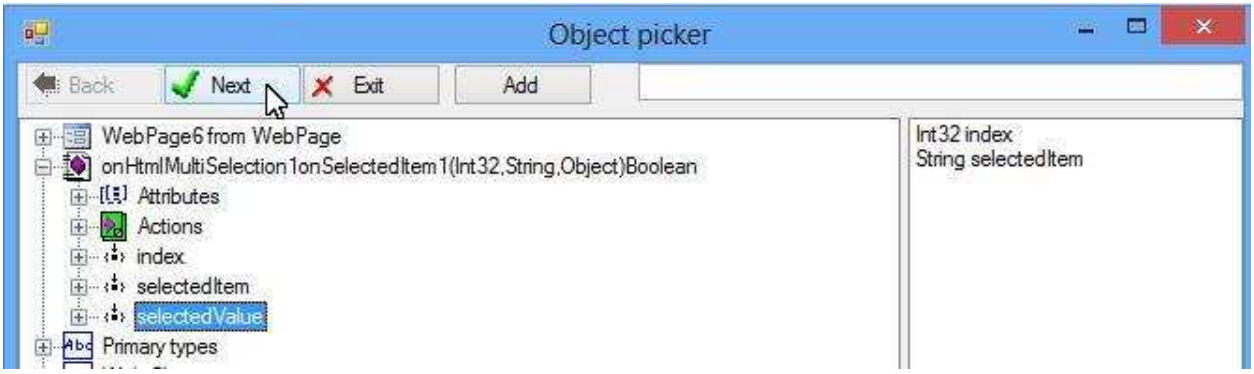


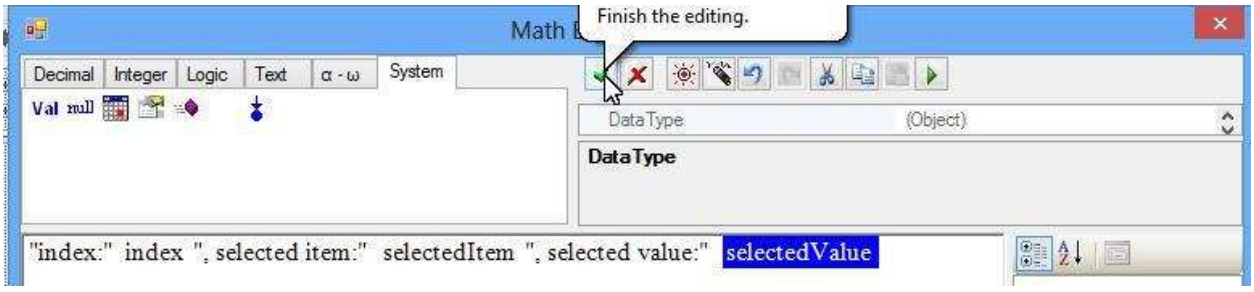


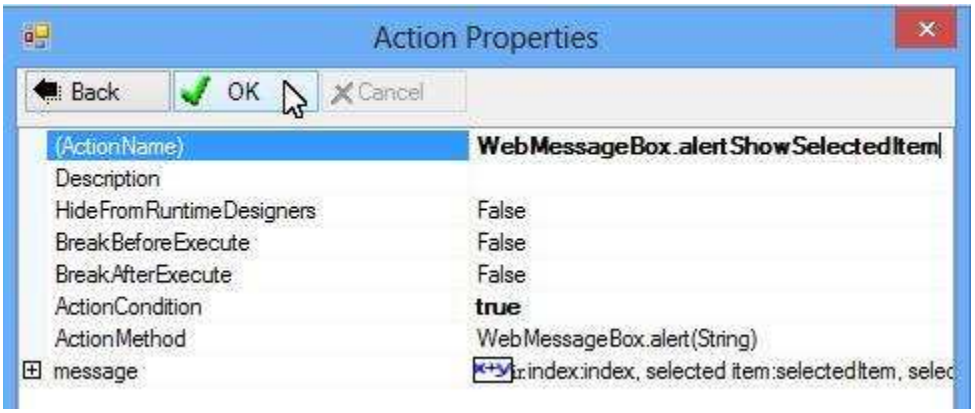



Math Expression Editor
Decimal
Integer
Logic
Text
α - ω
System
DataType
(Double)
DataType
Concatenate two strings together to form a new string

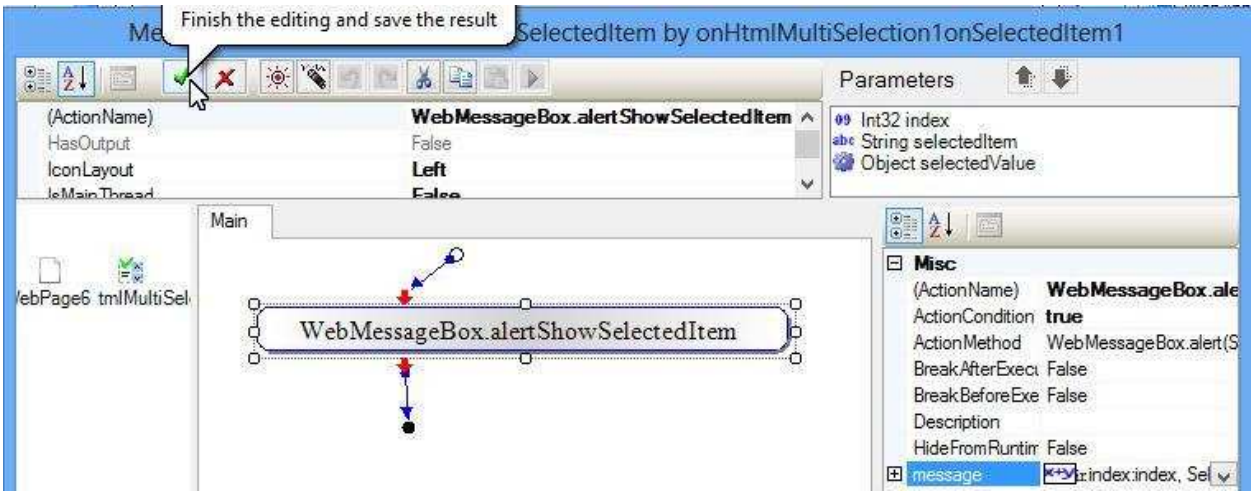

Math Expression Editor
Decimal
Integer
Logic
Text
α - ω
System
DataType
(String)
DataType
A property

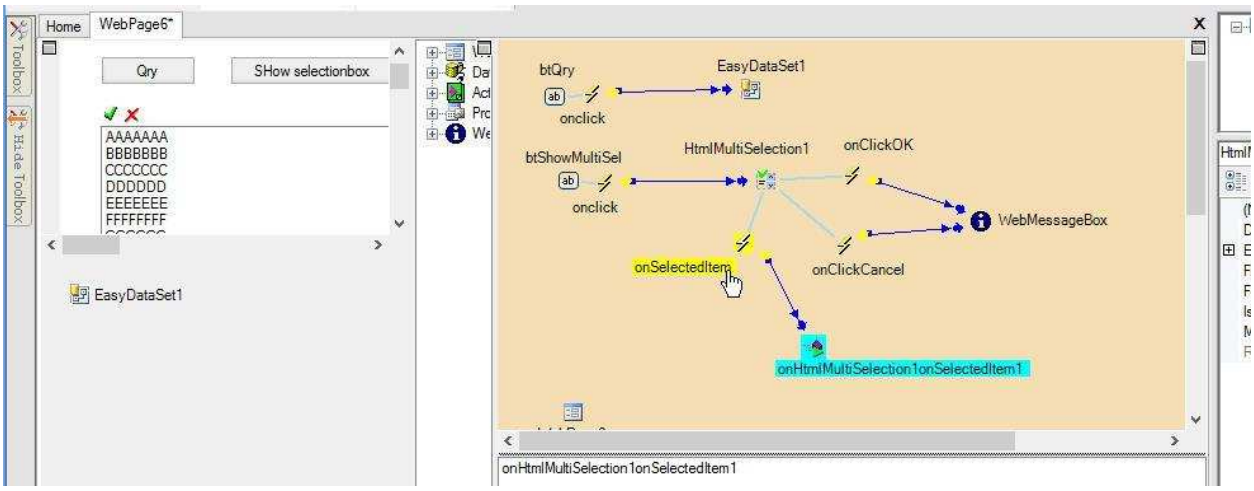

Object picker
Back
Next
Exit
Add
WebPage6 from WebPage
onHtmlMultiSelection1onSelectedItem1(Int32,String,Object)Boolean
Attributes
Actions
index
selectedItem
selectedValue
Primary types
Int32 index
String selectedItem


Finish the editing.
Decimal
Integer
Logic
Text
α - ω
System
DataType
(Object)
DataType
selectedValue



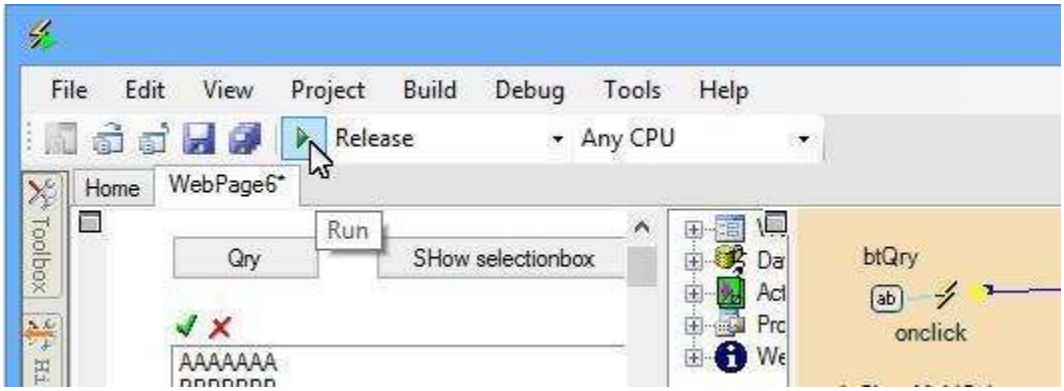
For this sample, that is all we need:



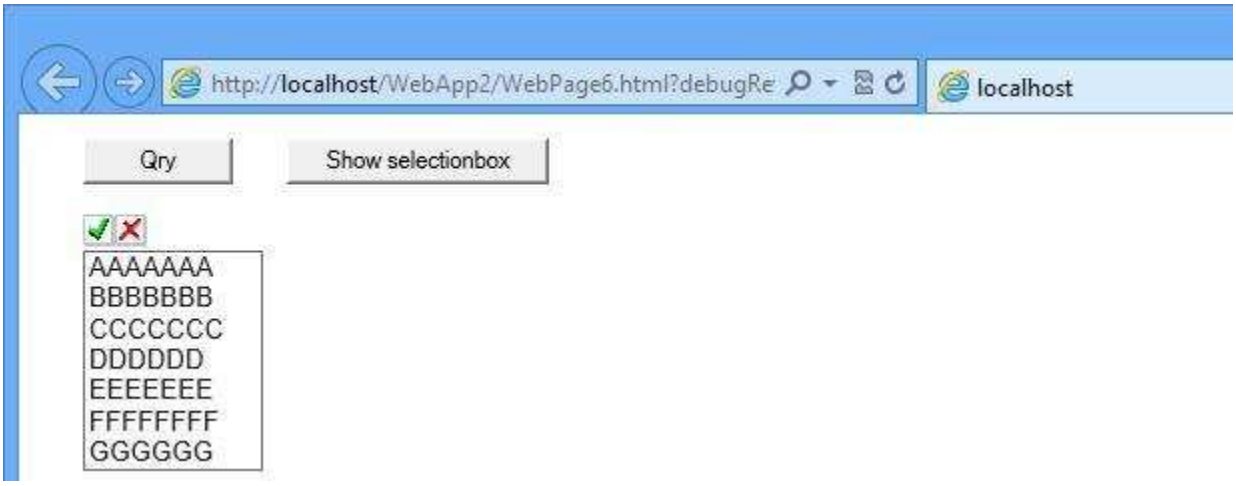


Test

Run the web application,

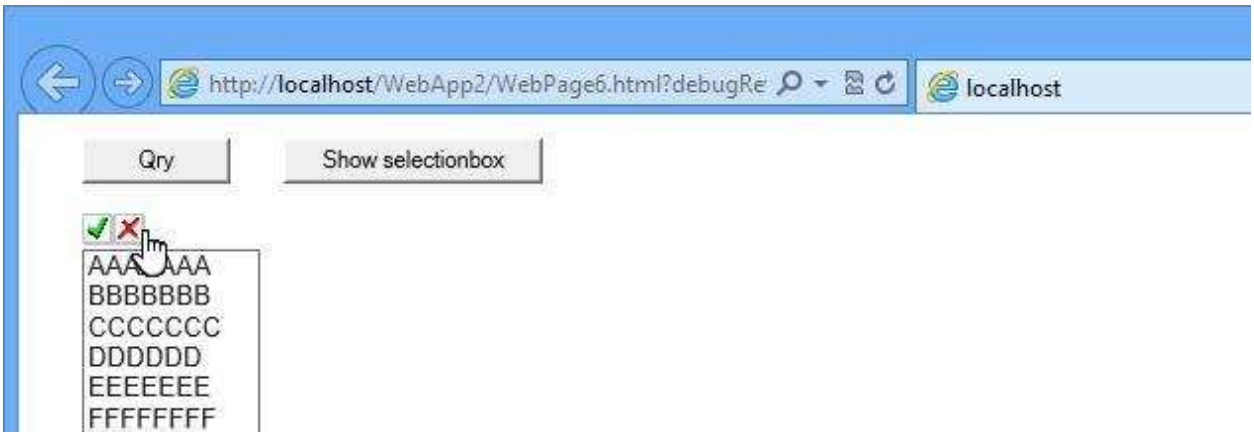


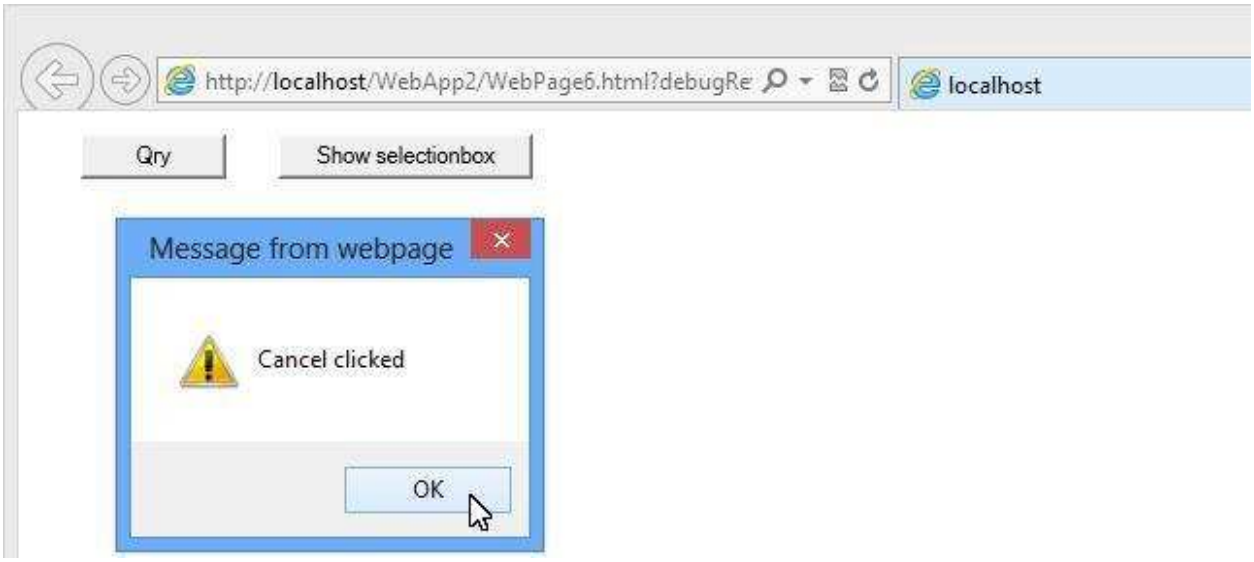
The web page appears:



Cancel Selection

Click ✗ , the list box disappears. A message box appears:



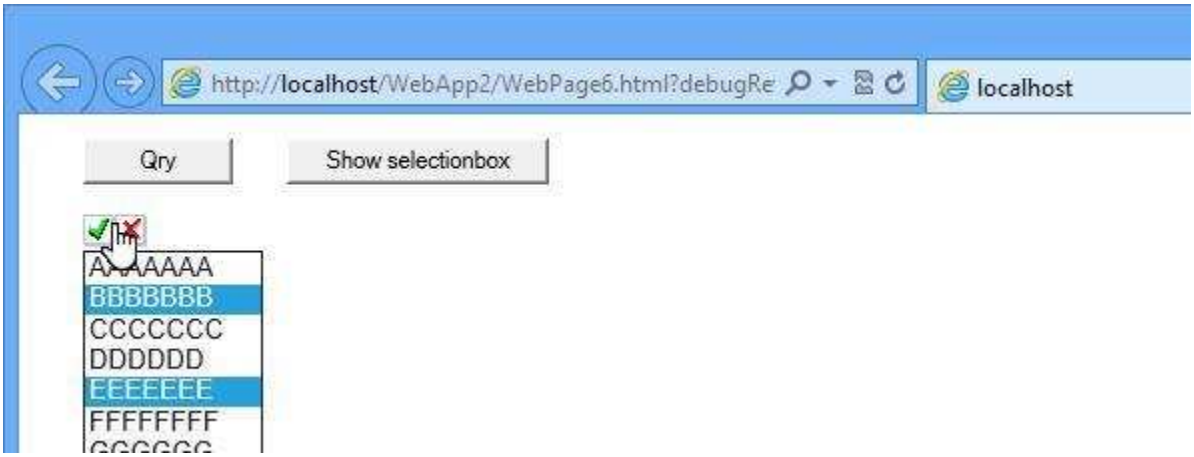


The message box is our sample of handling onClickCancel event.

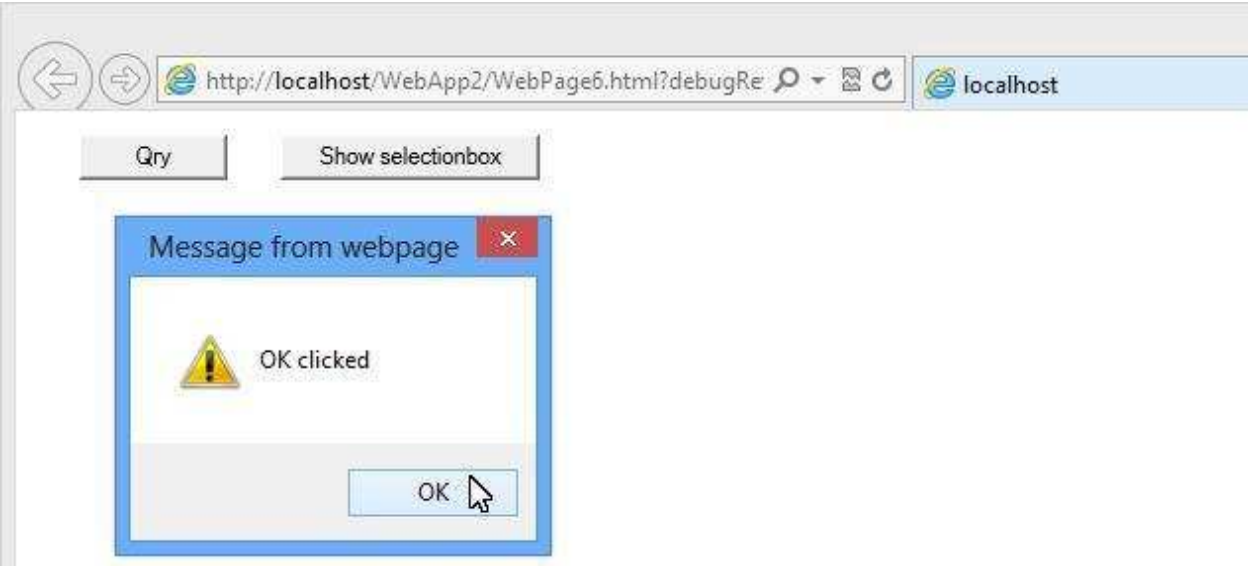
Make Selections

Click the button to bring back the list box:

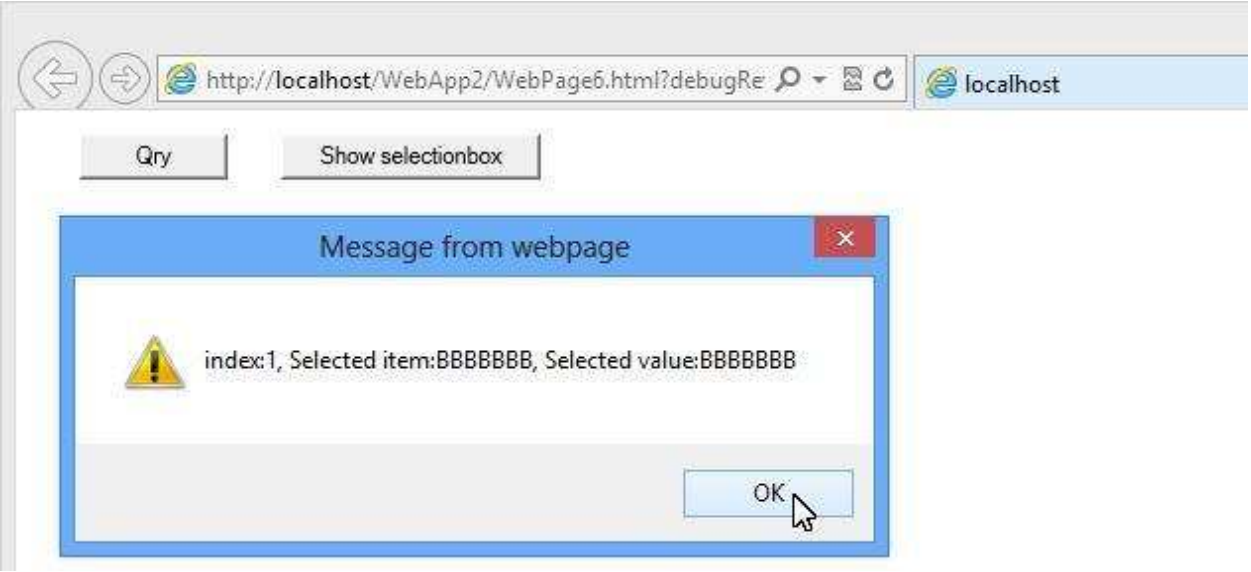
Make some item selections and click ✓



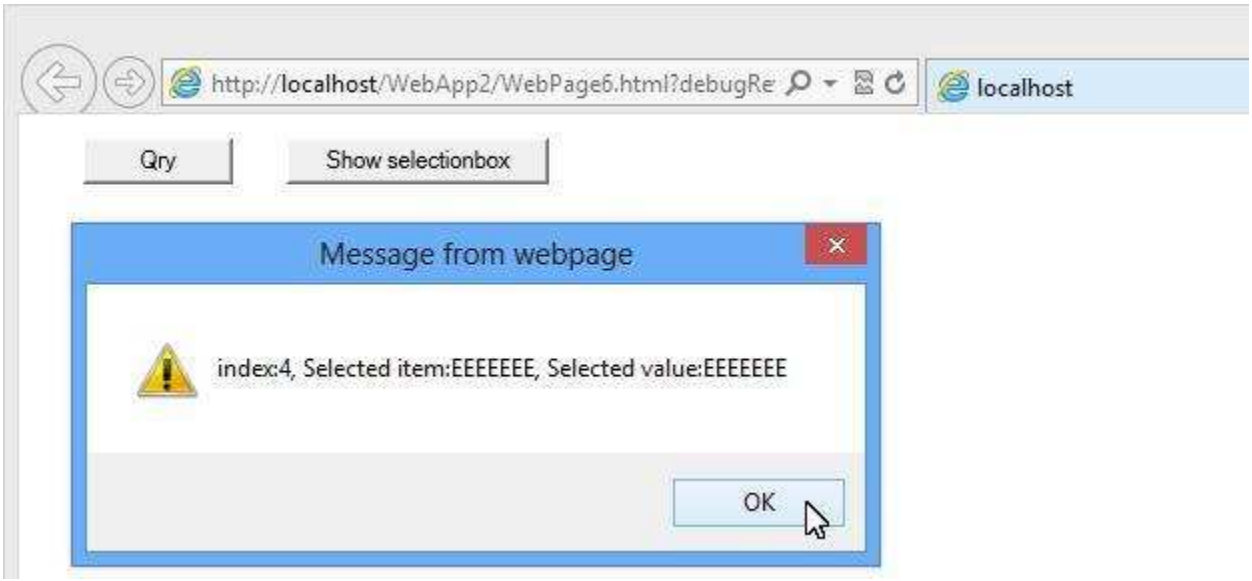
The list box disappears. A message box appears because of our event handling of onClickOK event:



Click OK to dismiss the message box. Another message box appears, showing information about the first selected item, by our handling of event onSelectedItem:



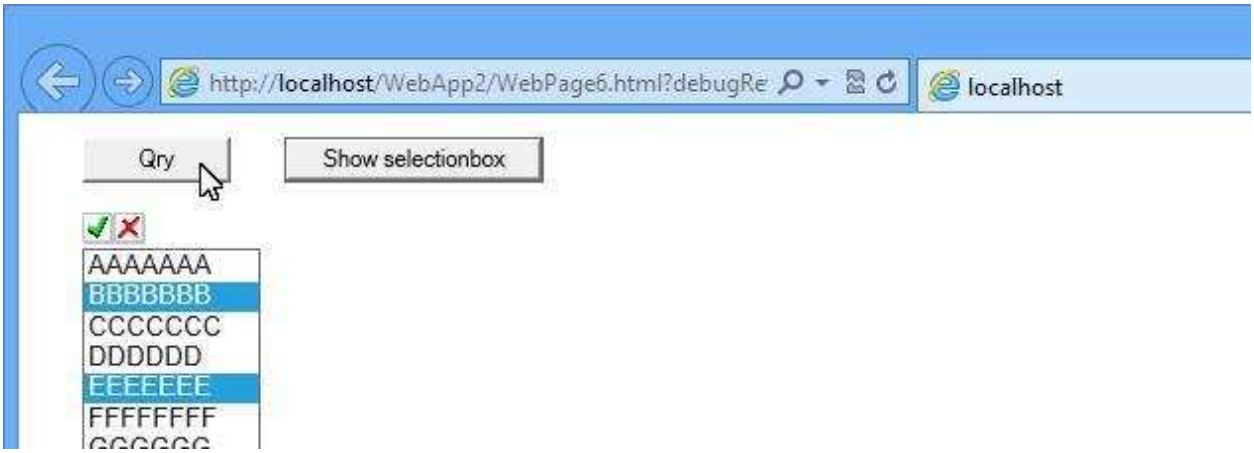
Click OK to dismiss the message box. Another message box appears, showing information about the second selected item, by our handling of event onSelectedItem:



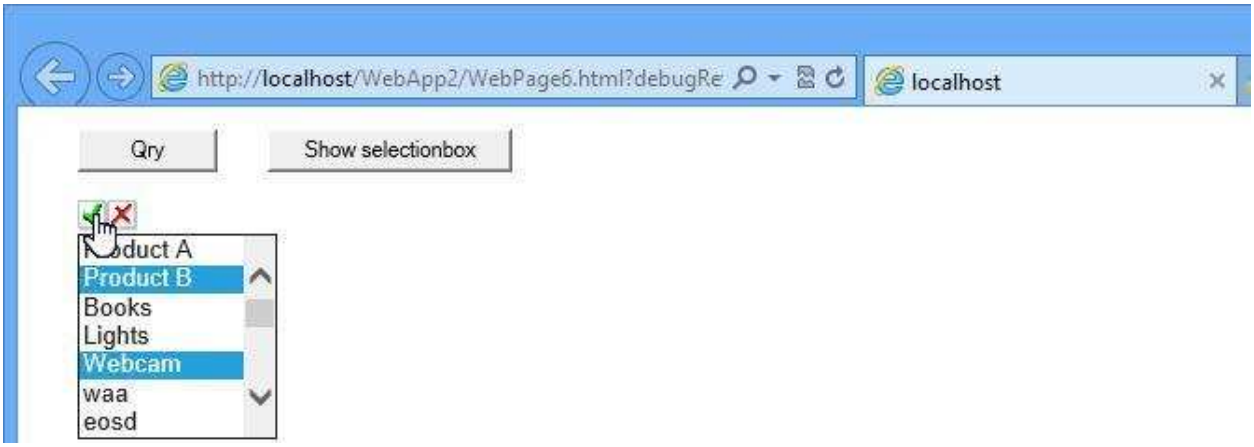
Click OK. No more message box appears because we only selected 2 items.

Use data from database

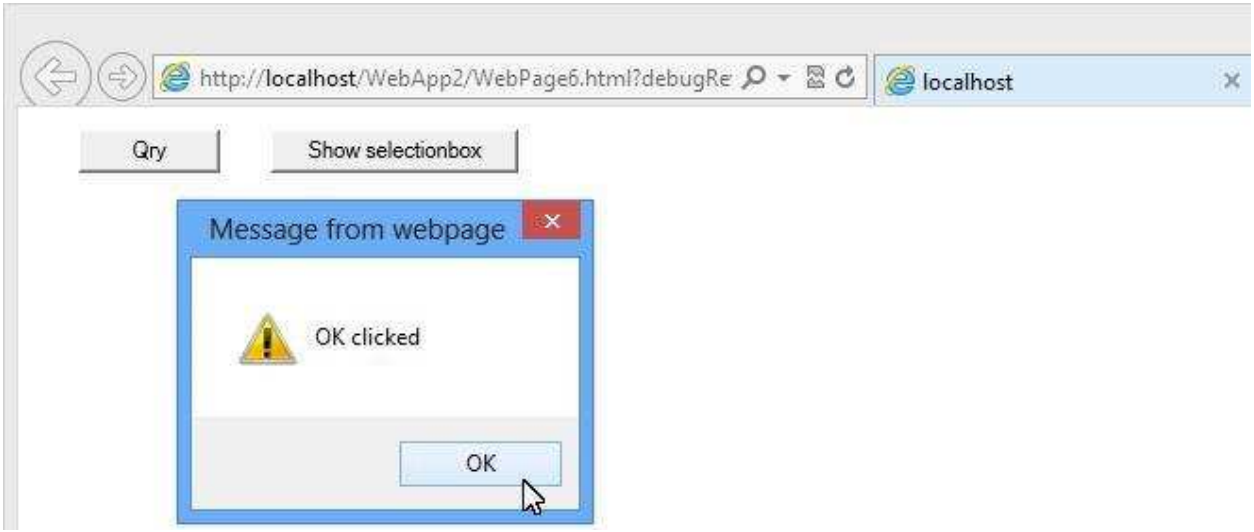
Click "Qry" button to fetch data from the database:

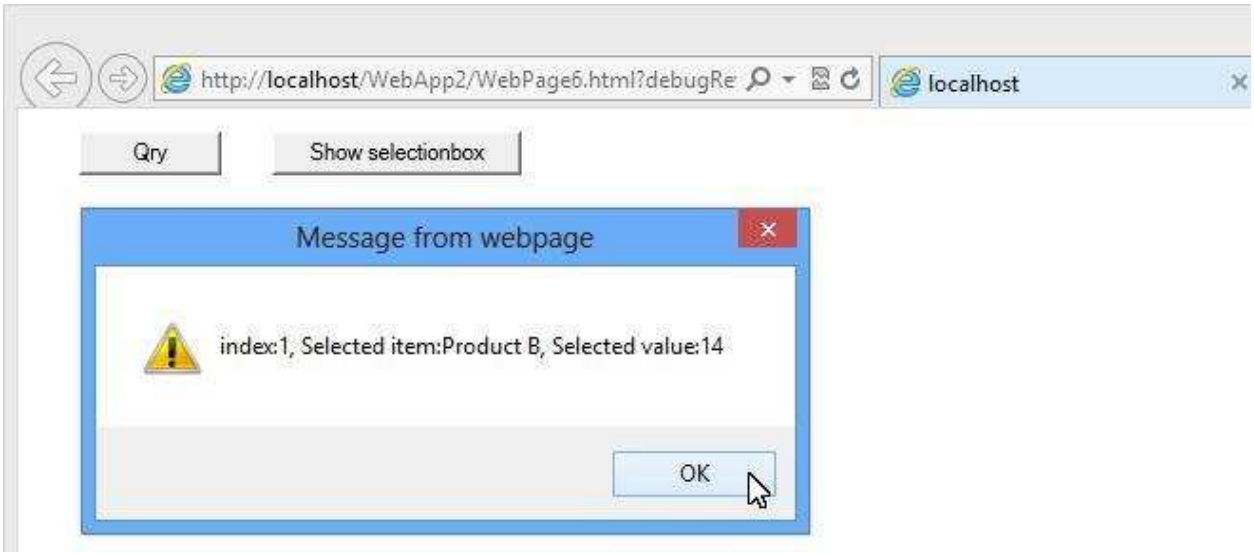


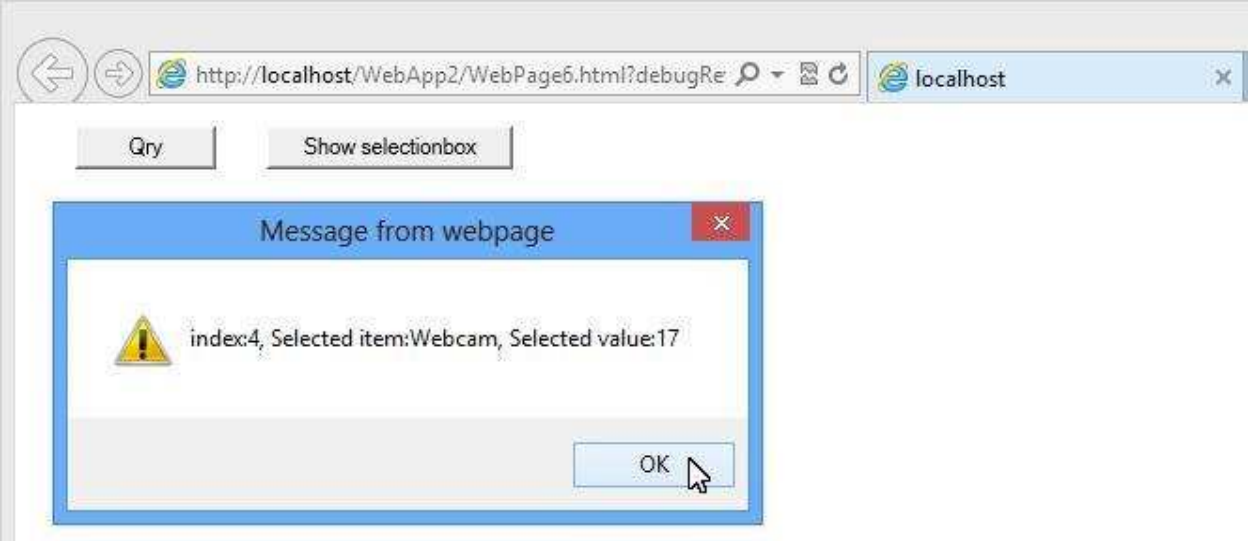
Data arrive at the list box. Select some items and click ✓



We can message boxes appear by our handling of events:







Note that by our data-binding the selected item is the product name and the selected value is the product ID.

Simulate OK and Cancel

HtmlMultiSelection has a method `AcceptSelections`. The result of executing an `AcceptSelections` action is as if the OK button ✓ is clicked.

HtmlMultiSelection has a method `CancelSelections`. The result of executing a `AcceptSelections` action is as if the Cancel button ✗ is clicked.

Hide Default OK and Cancel Buttons

If you do not want to display the default OK and Cancel buttons, ✓ and ✗, then you may set property HideButtons to True.

Feedbacks

Please send your comment and suggestions to support@limnor.com, thanks!