

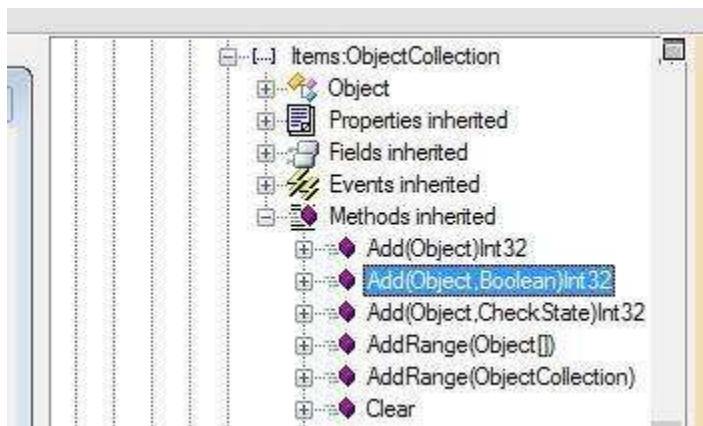
Populate Checked List with Database

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Introduction

A checked list box cannot be automatically populated from a database like a List box or a combo box does. We may manually populate a checked list box at runtime. A checked list box has an Items property holding all list items. The Items property has “Add” methods to add an item to the list at runtime.

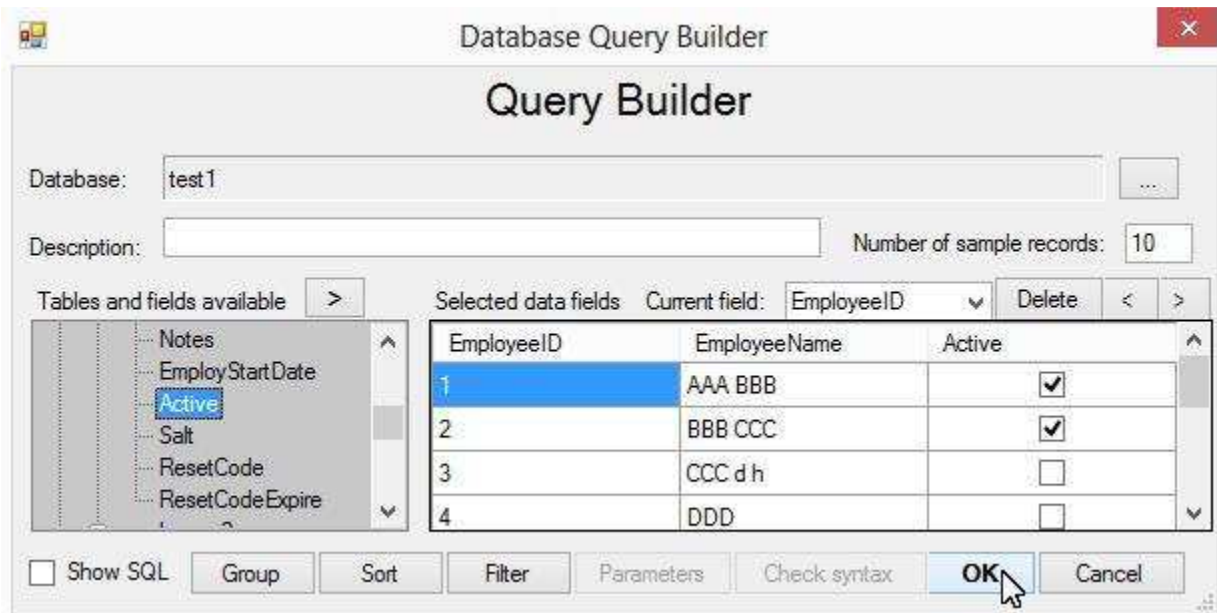
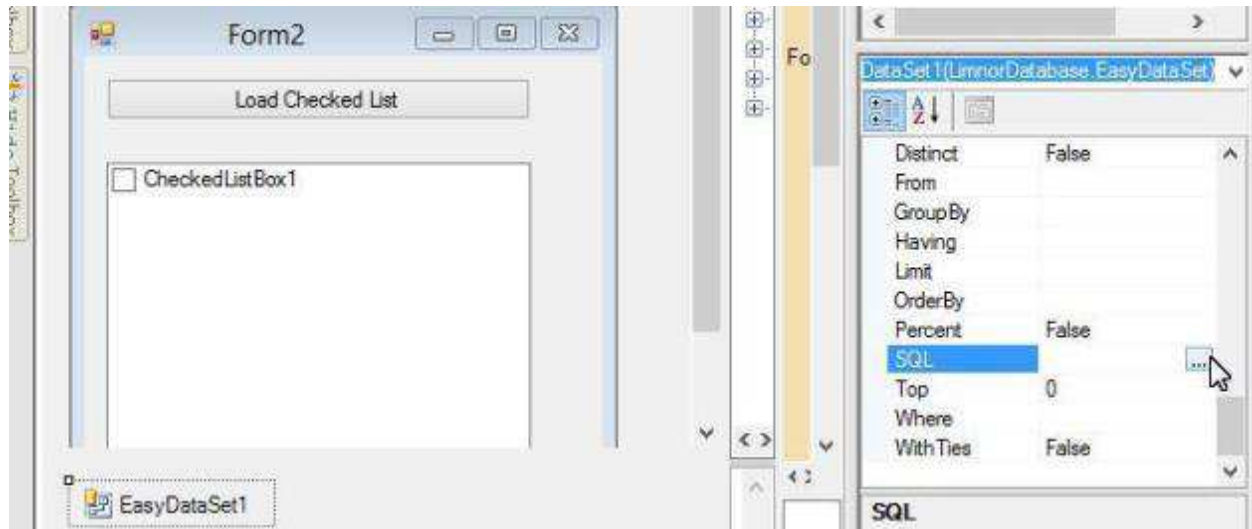


A “Clear” method of the Items property can be used to remove all items at runtime.

This article uses an EasyDataSet to provide data for populating a checked list box at runtime, by calling “Add” method for each row of the EasyDataSet.

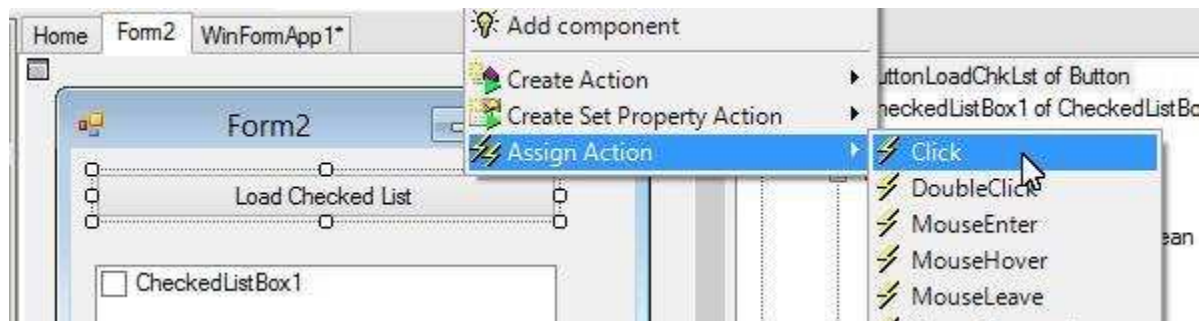
Fetch data from database

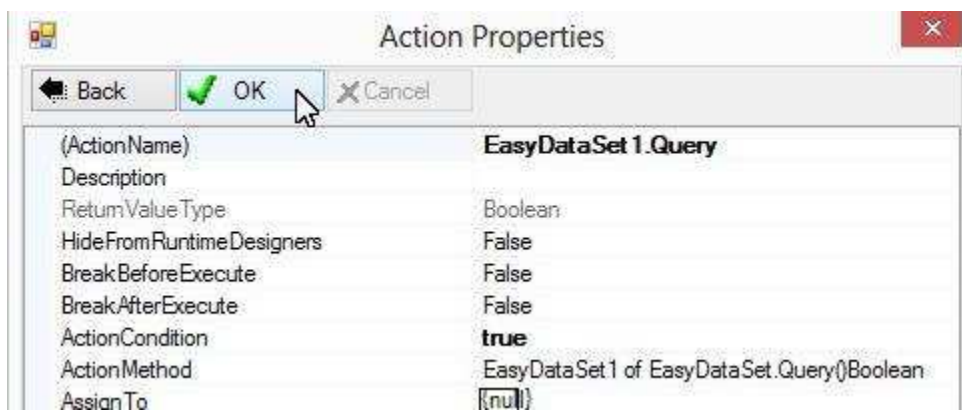
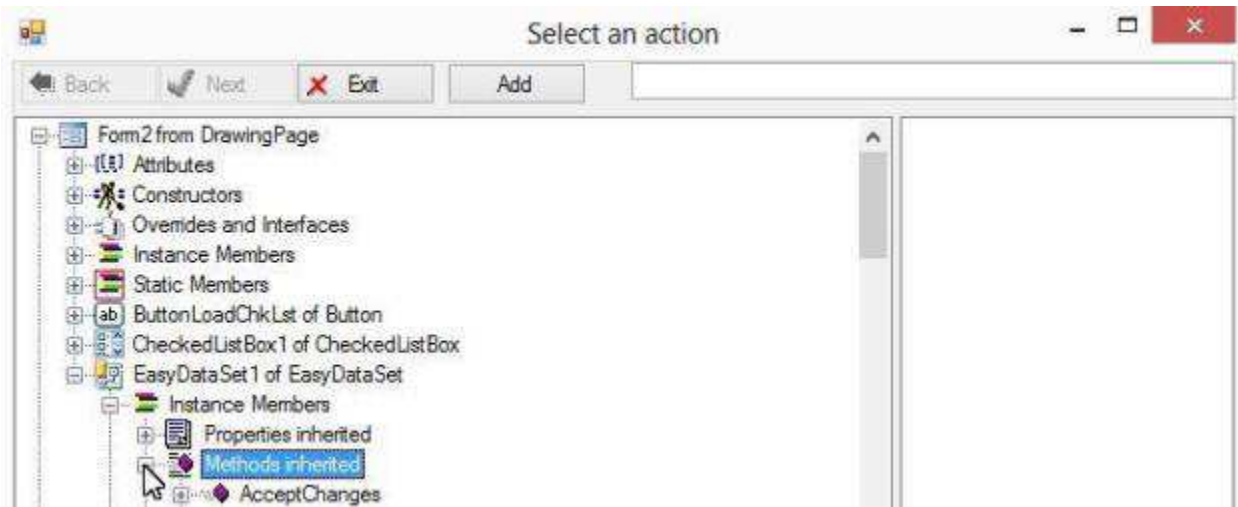
Set SQL property of the EasyDataSet to specify what data we want to fetch:



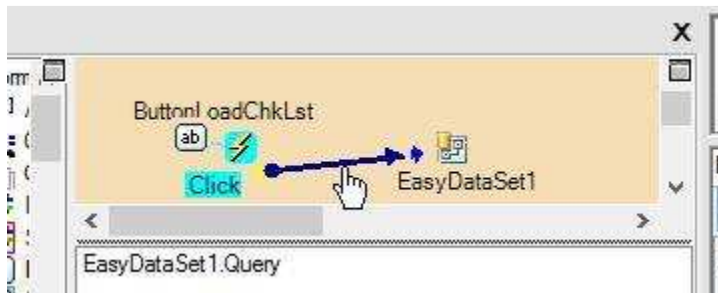
Field EmployeeName can be used to show in the checked list box; field Active can be used to determine the checked-state of the checked list item.

Load data from database





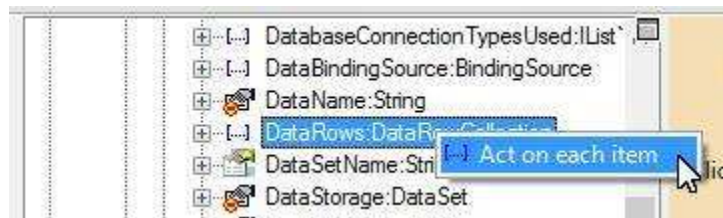
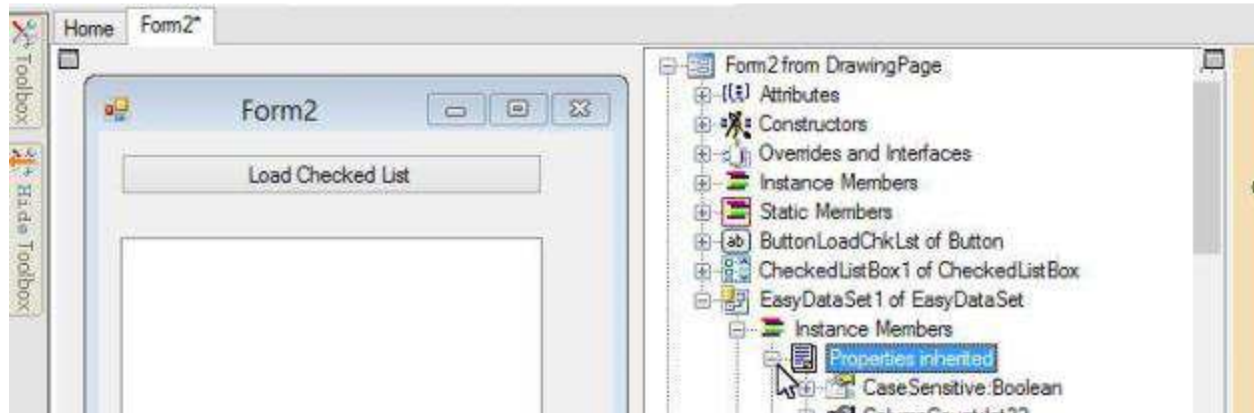
The action is created and assigned to the button:



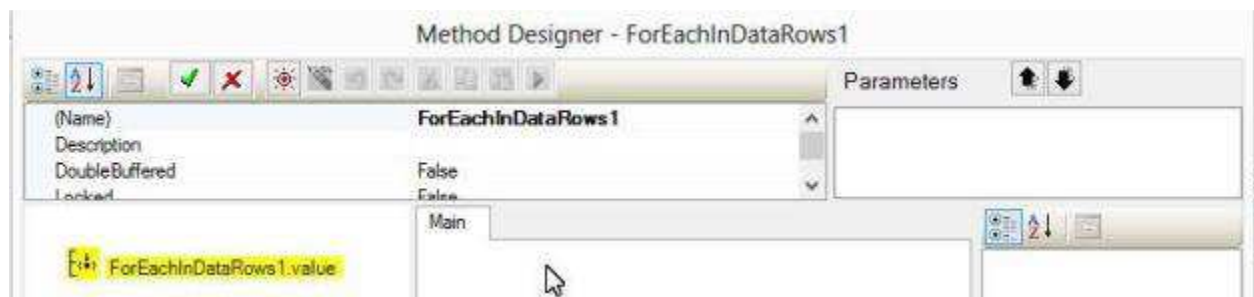
Add all data rows to list box

DataRows property of an EasyDataSet holds all rows of records fetched from a database. For every row in the DataRows, we want to add an item to the list box by calling “Add” method of the Items property of the list box. Let’s show how this is done.

Right-click the DataRows property of the EasyDataSet in the Object Explorer; choose “Act on each item”

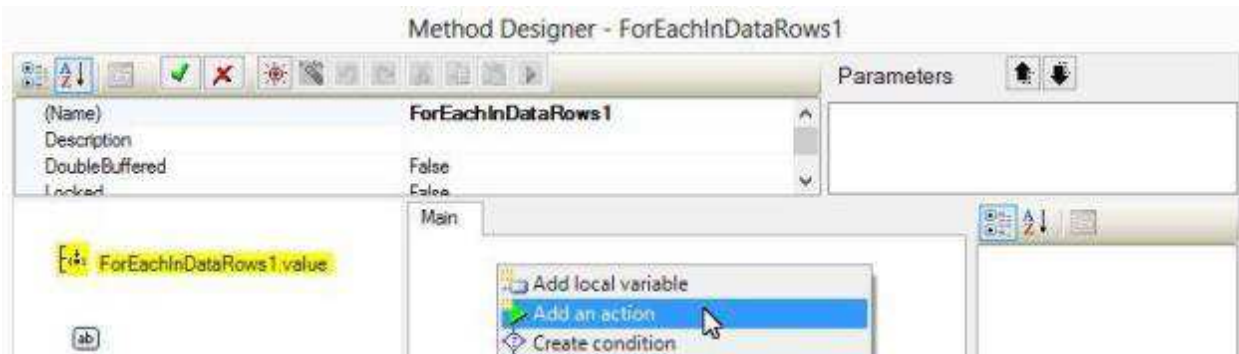


A Method Editor appears for adding actions to be performed on each row of DataRows:

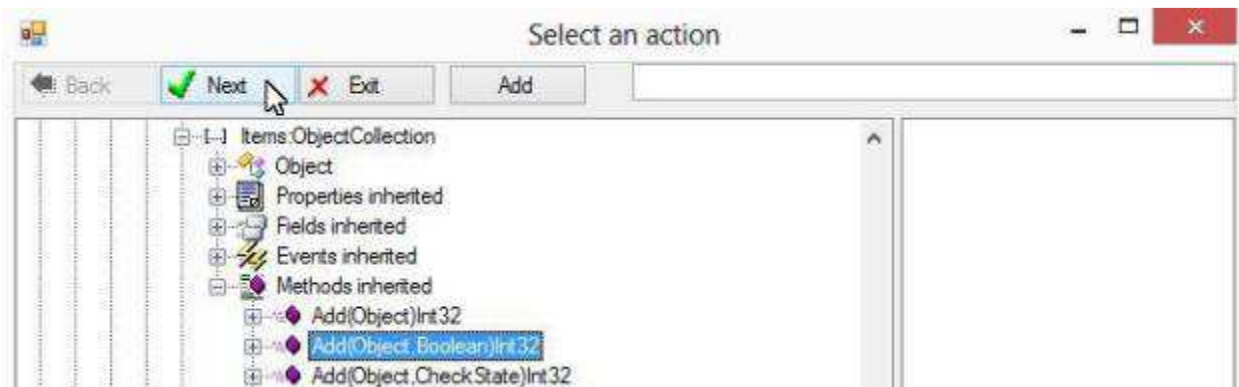
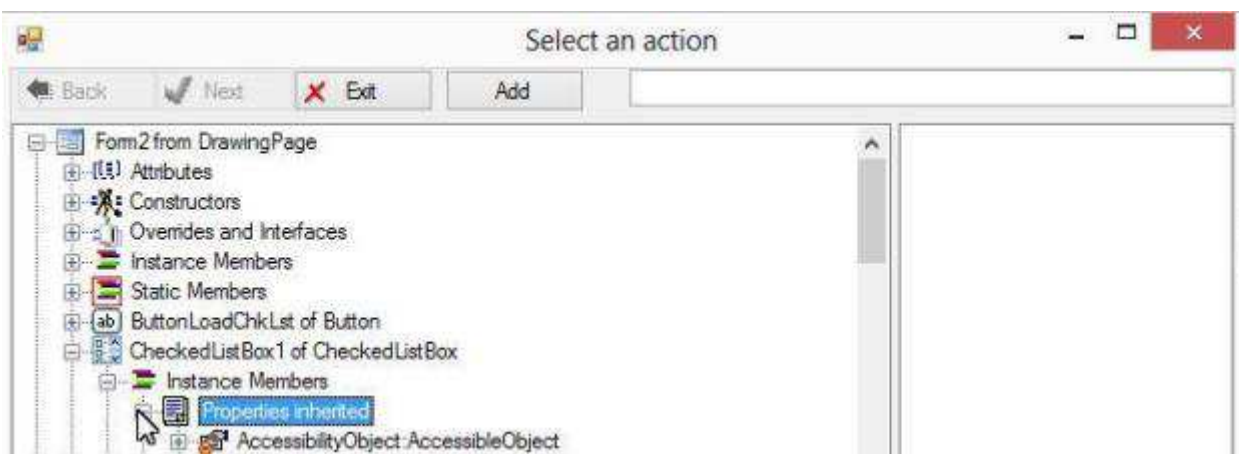


Note that the icon “ForEachInDataRows1.value” represents a row in DataRows.

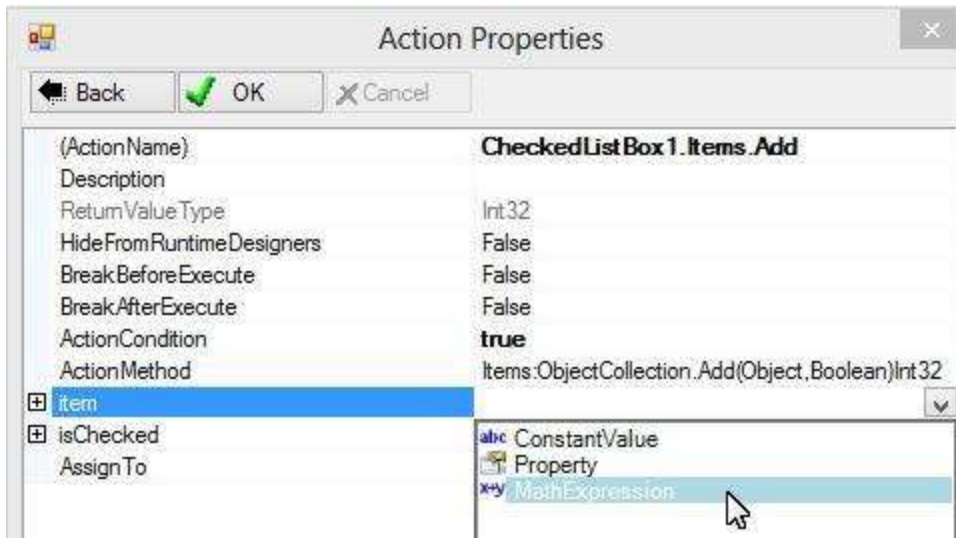
In this sample, for developing this method, we just need to create one action to add one item to the checked list box, by calling “Add” of the Items property of the list box. Right-click the Action Pane of the Method Editor; choose “Add an action”:



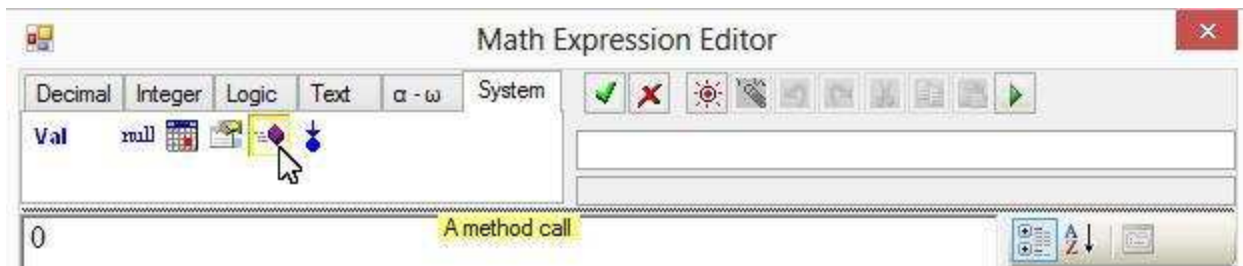
Select an “Add” method of the Items property of the list box:



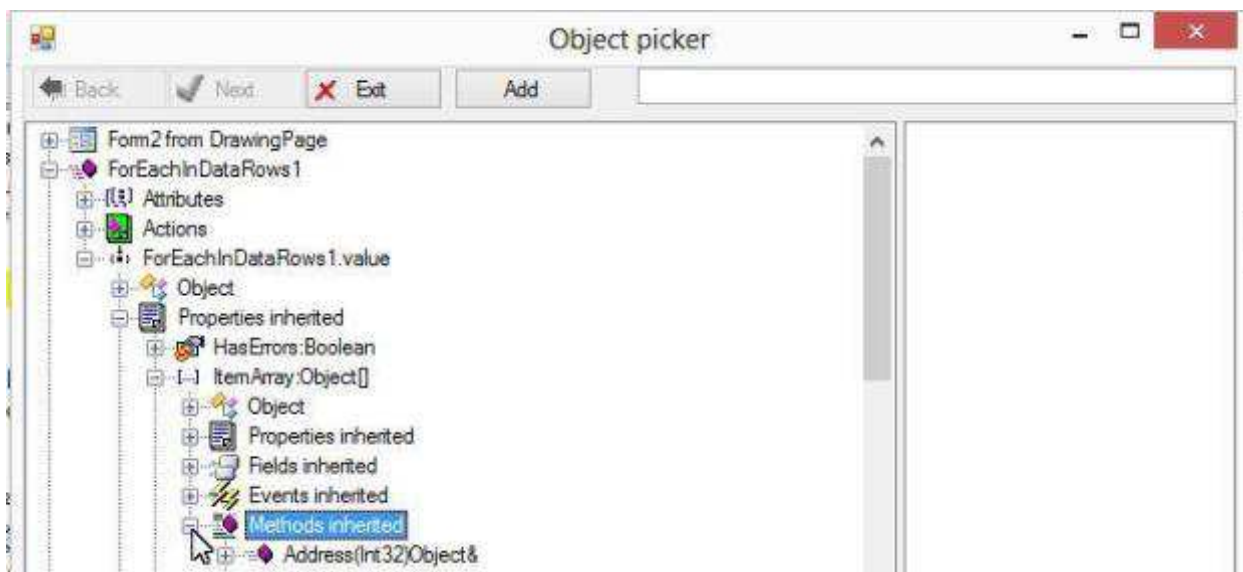
“item” of the action is the item to be added to the list box. We want to use data from the data row.
 Select “Math expression” so that we may get data from the data row:



Click the method icon to execute a method to get data:

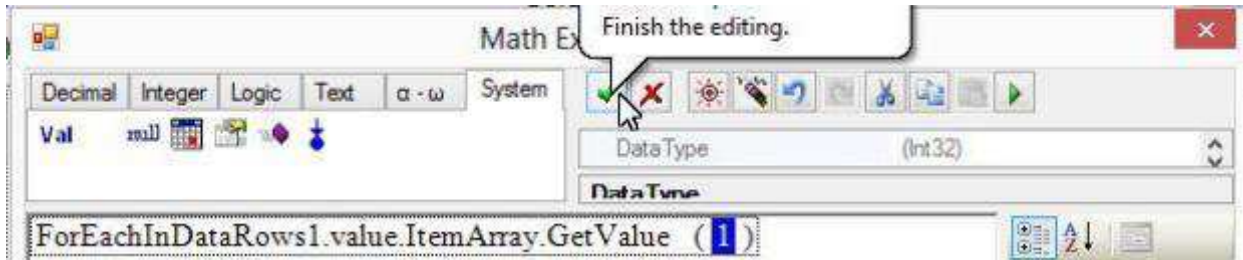


There are many ways to get field value from a data row. One way is through ItemArray property. Select GetValue method of the ItemArray property of the data row:

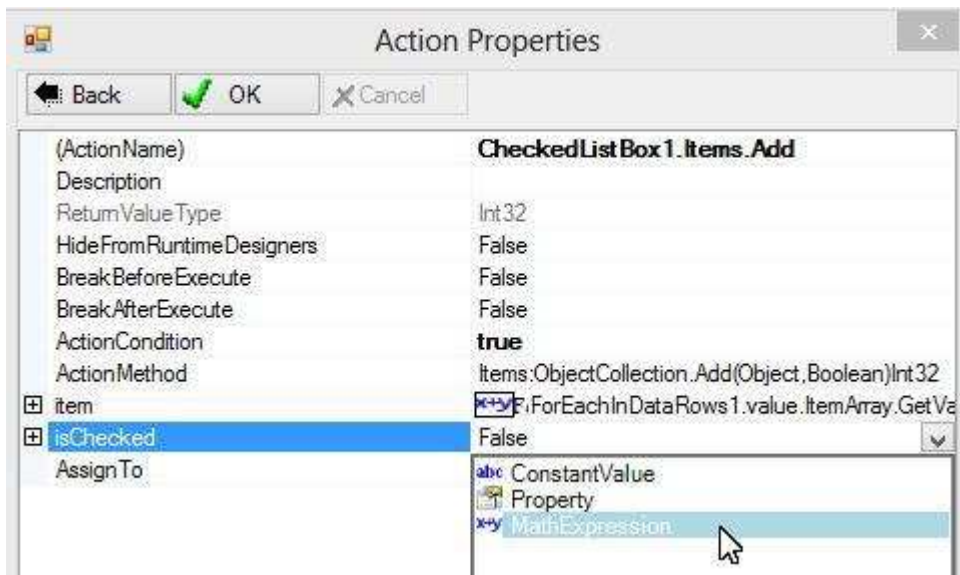




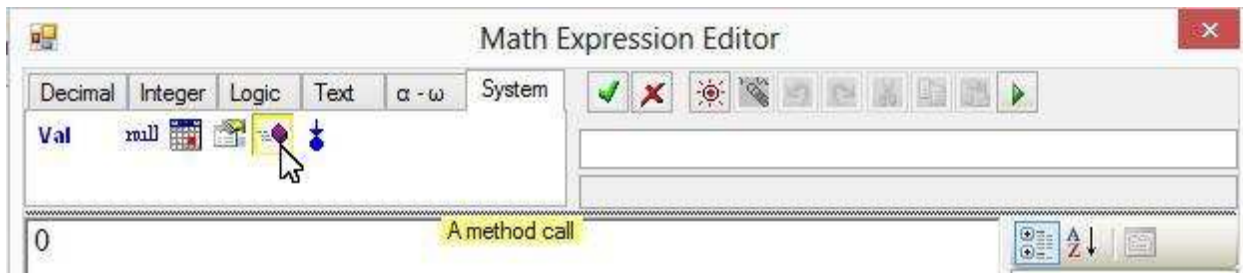
We want to use field EmployeeName. This is the second field. Field 1 is the second field (field 0 is the first field):



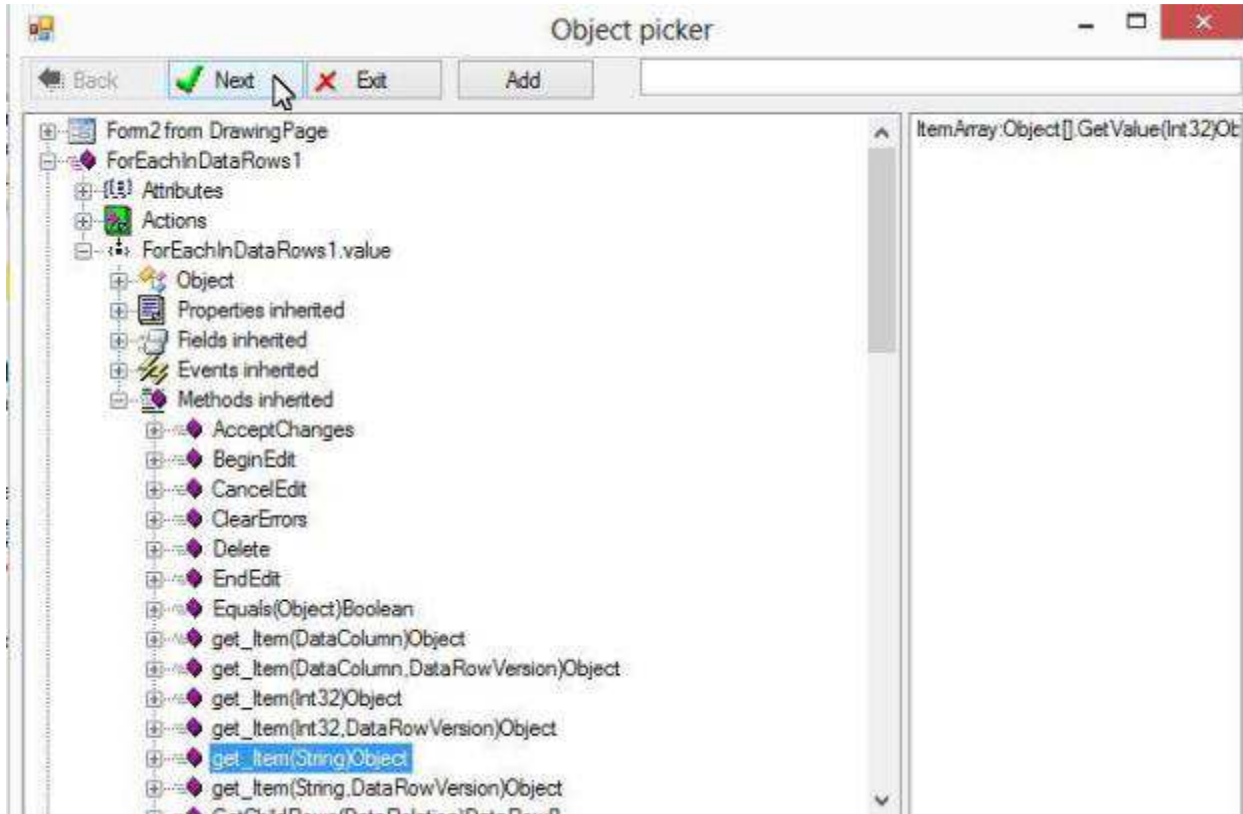
“isChecked” of the action indicates whether the new item is checked. We want to use field Active for this parameter. As we did for parameter “item”, we select “Math Expression” for this parameter:



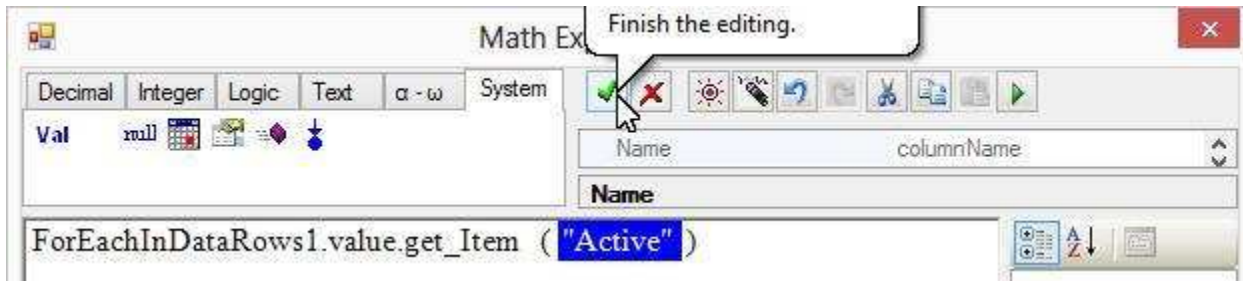
Click the method icon to execute a method to get data:



For “item” parameter we used ItemArray. This time we show another way of getting field value by calling “get_item” method of the data row:

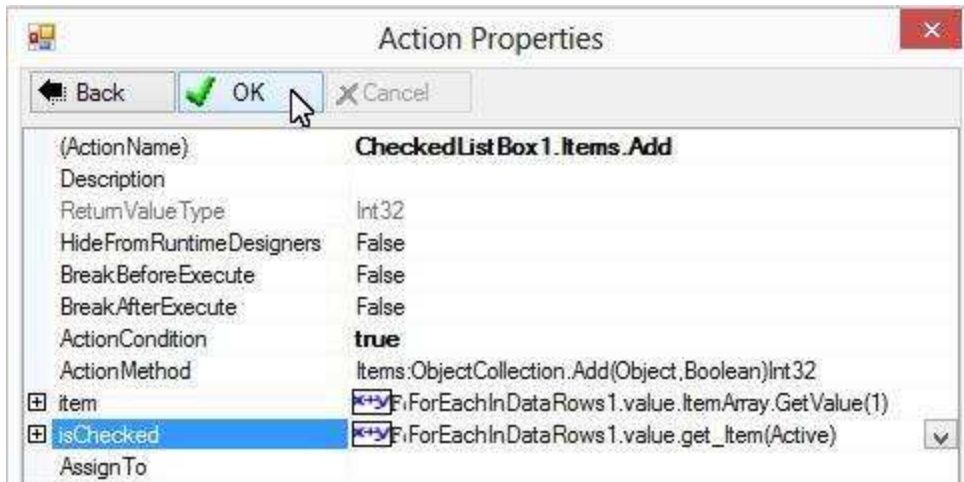


There are many variations of “get_item” method. We choose the one which gets field value by field name:



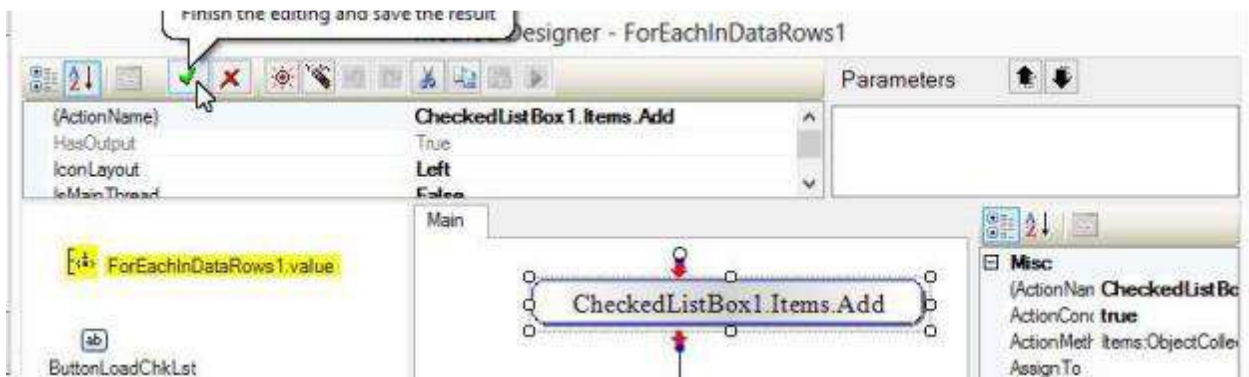
“Active” is the field name.

Click OK to finish creating this action:

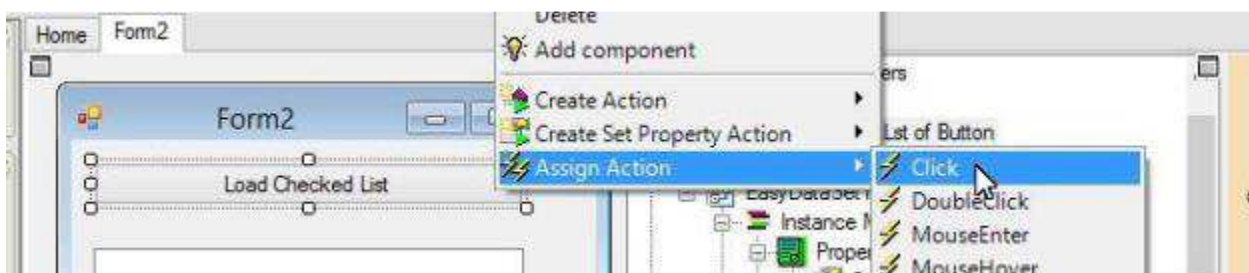


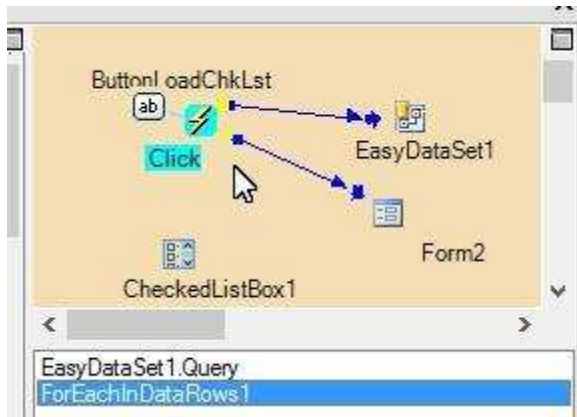
We purposely used two different ways of getting field values from a data row, to show examples.

The action appears in the Action Pane. For this sample, we just need this one action:



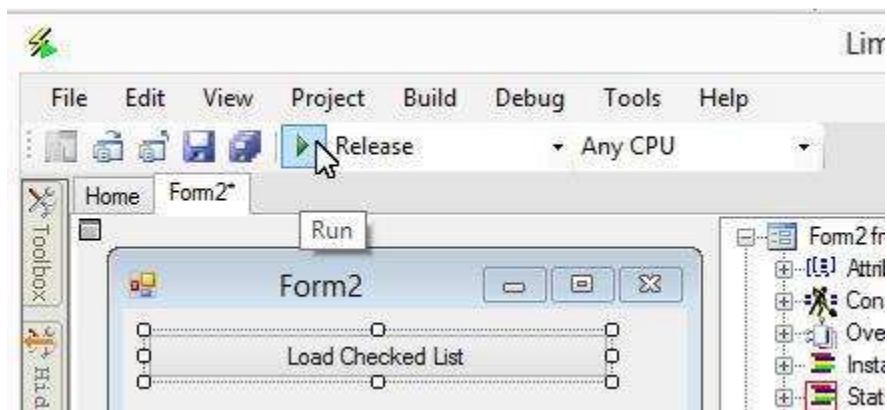
We may assign this new action to the button:



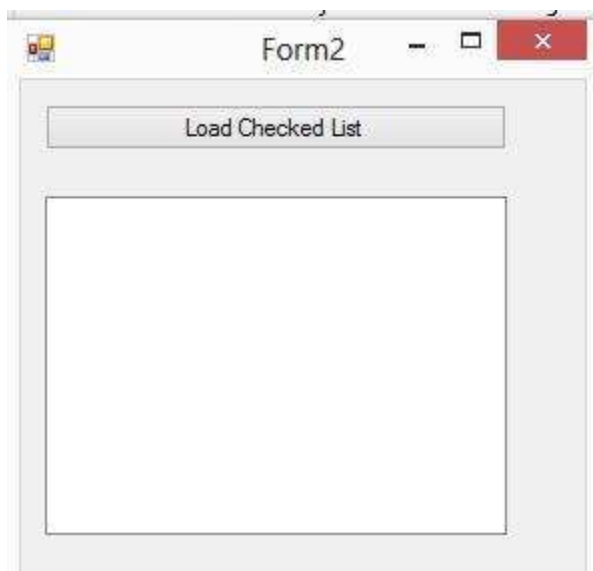


Test

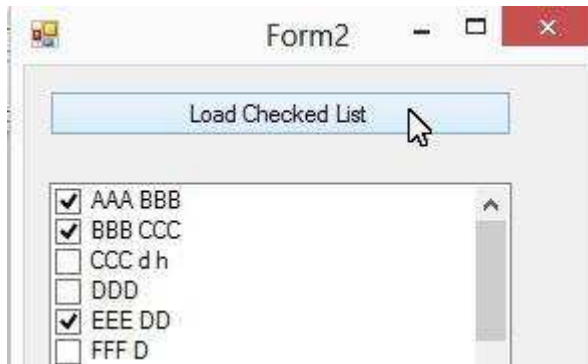
We may test the application now:



The form appears.



Click the button. The checked list is filled with data from the database:



Feedback

Please send your feedback to support@limnor.com.