

Create and Use Dialogue

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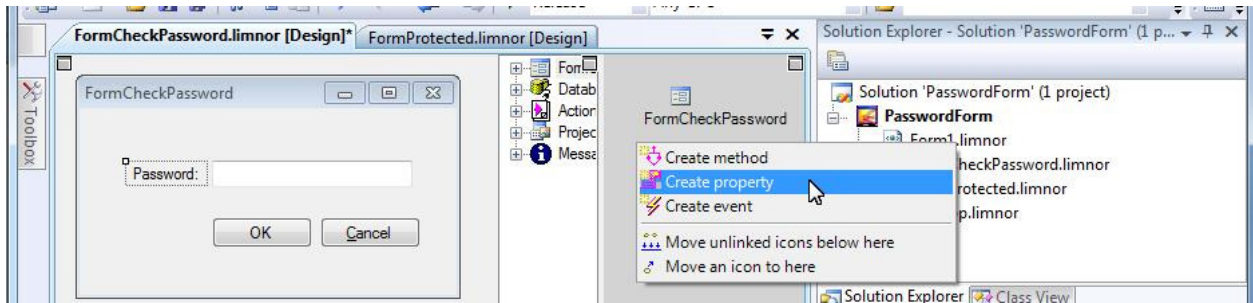
Introduction

In many situations you may want to use dialogues to collect use inputs. A form can be used as a dialogue box by executing its ShowDialog method. We need to design ways to pass the user inputs from the dialogue box to the intended destination. This sample uses properties to pass user inputs.

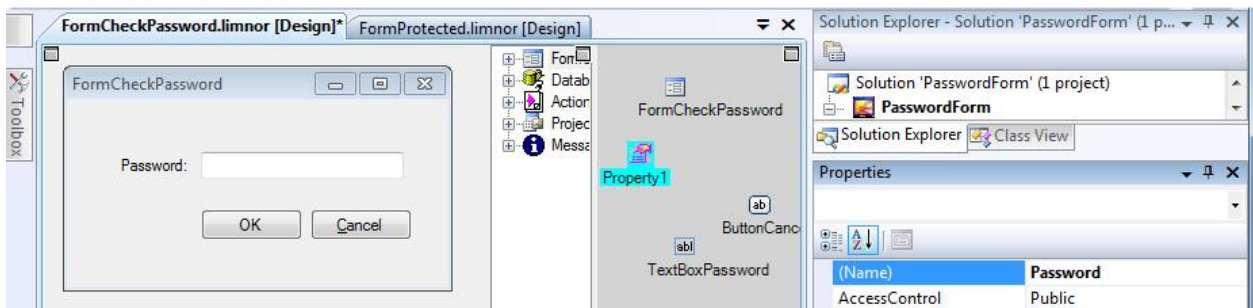
The sample uses a hypothesis of using a password to protect a form. The user must know the password in order to open the form. The sample creates a Form to collect user input. If the user enters the correct password then the sample opens another form. If the user enters incorrect password then the sample shows an error message.

Create a property

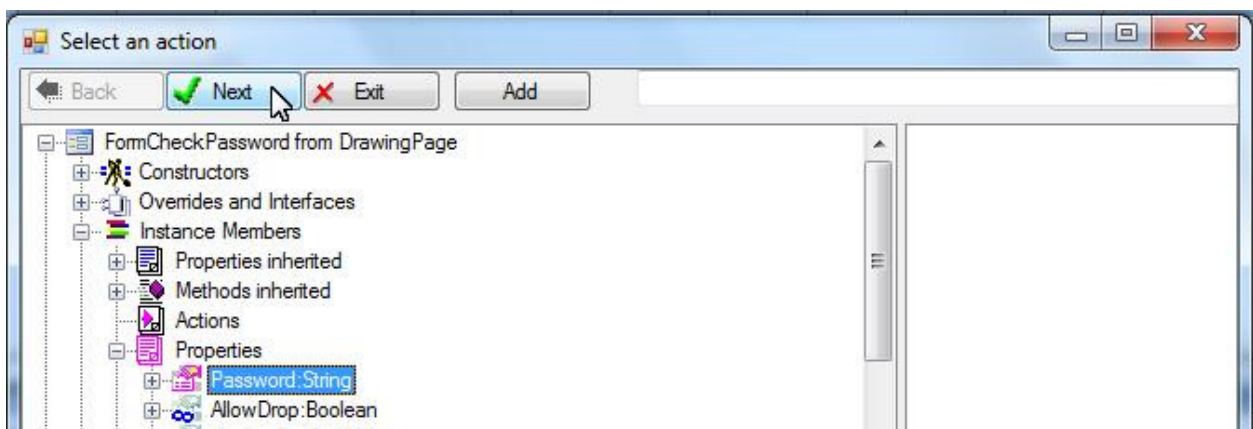
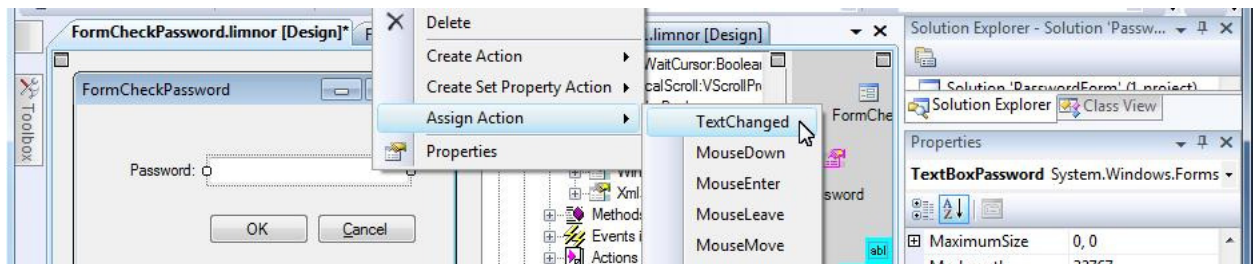
On the form to be used as a dialogue, we create a property for each user input. This sample form has one user input.

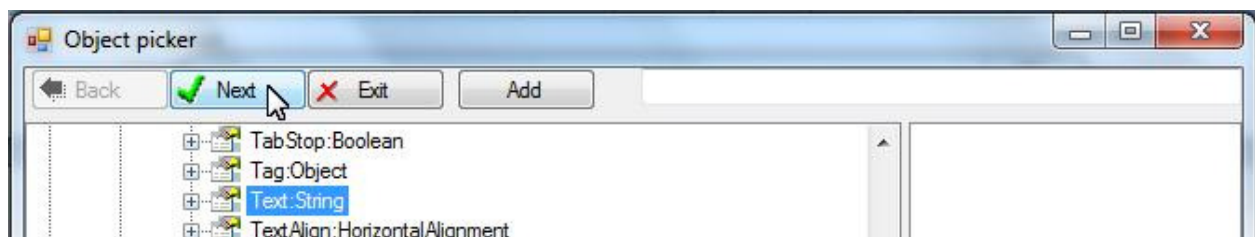
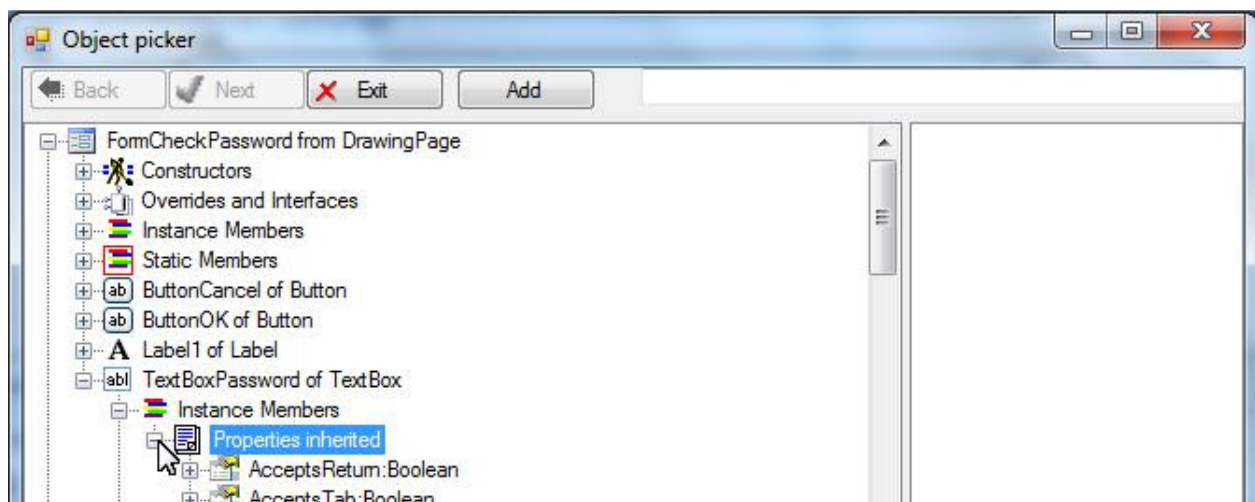
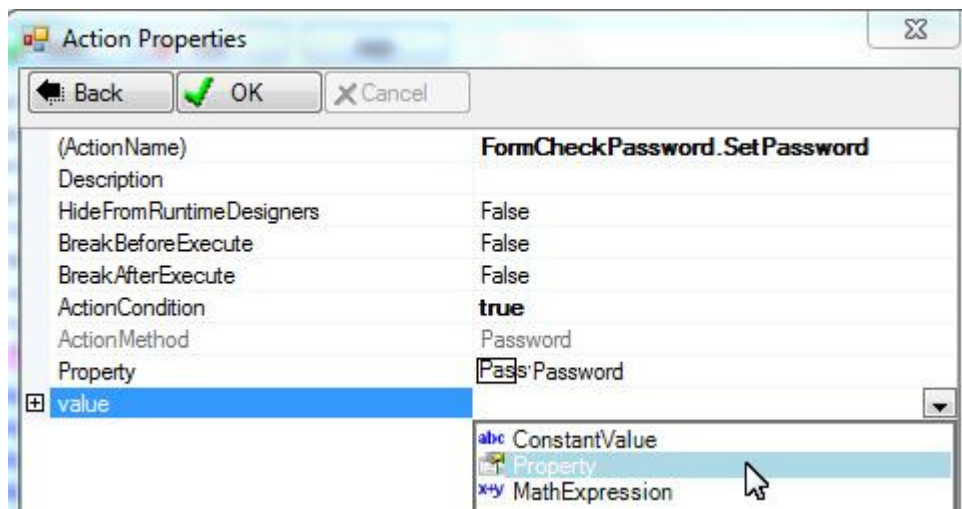


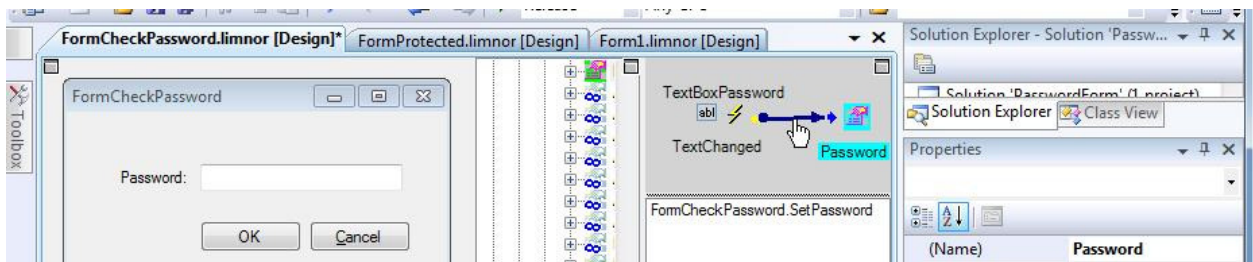
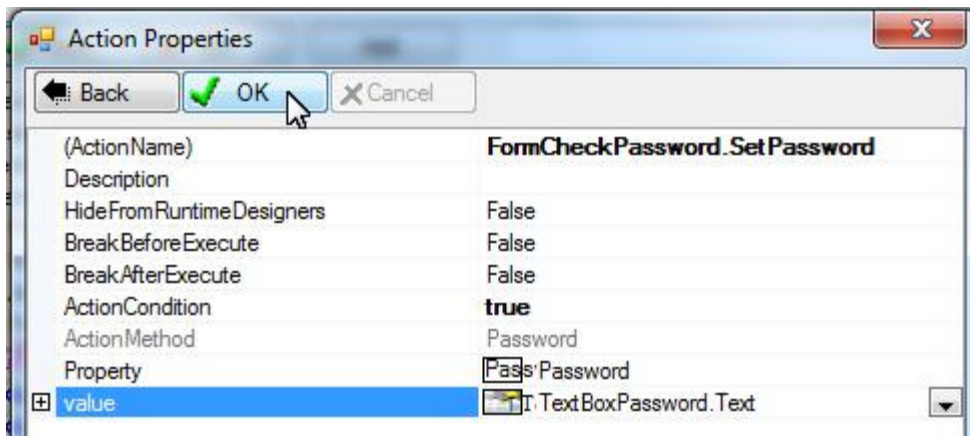
Rename the property to make it easy to know its intention:



For this sample, we set the property value whenever the text box value changes:

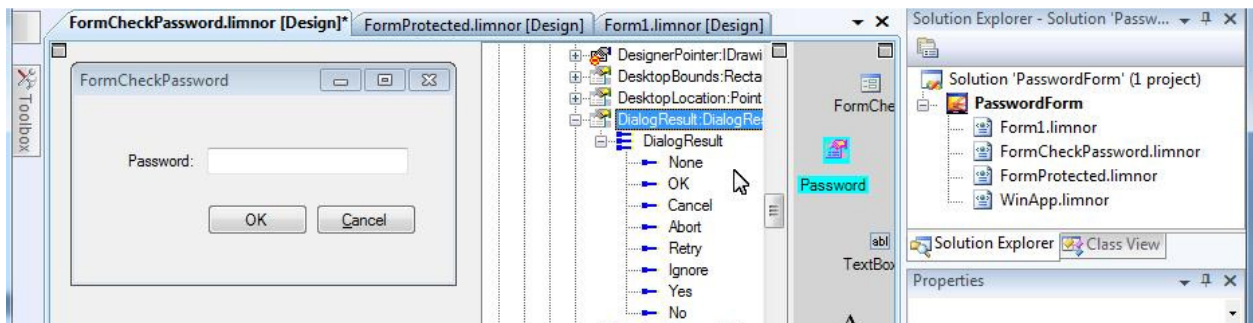
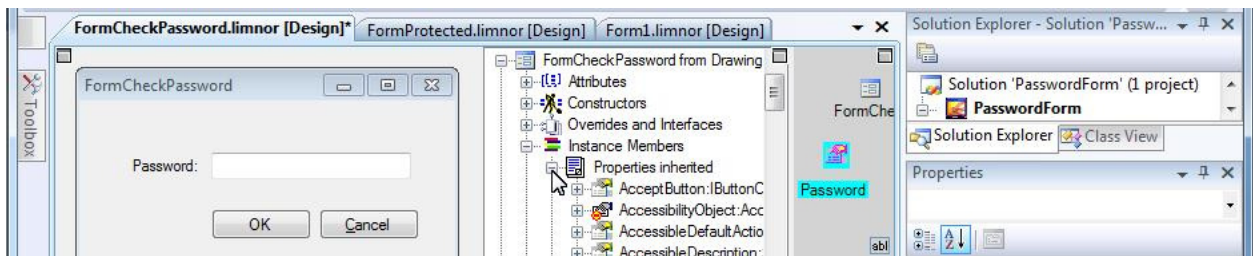






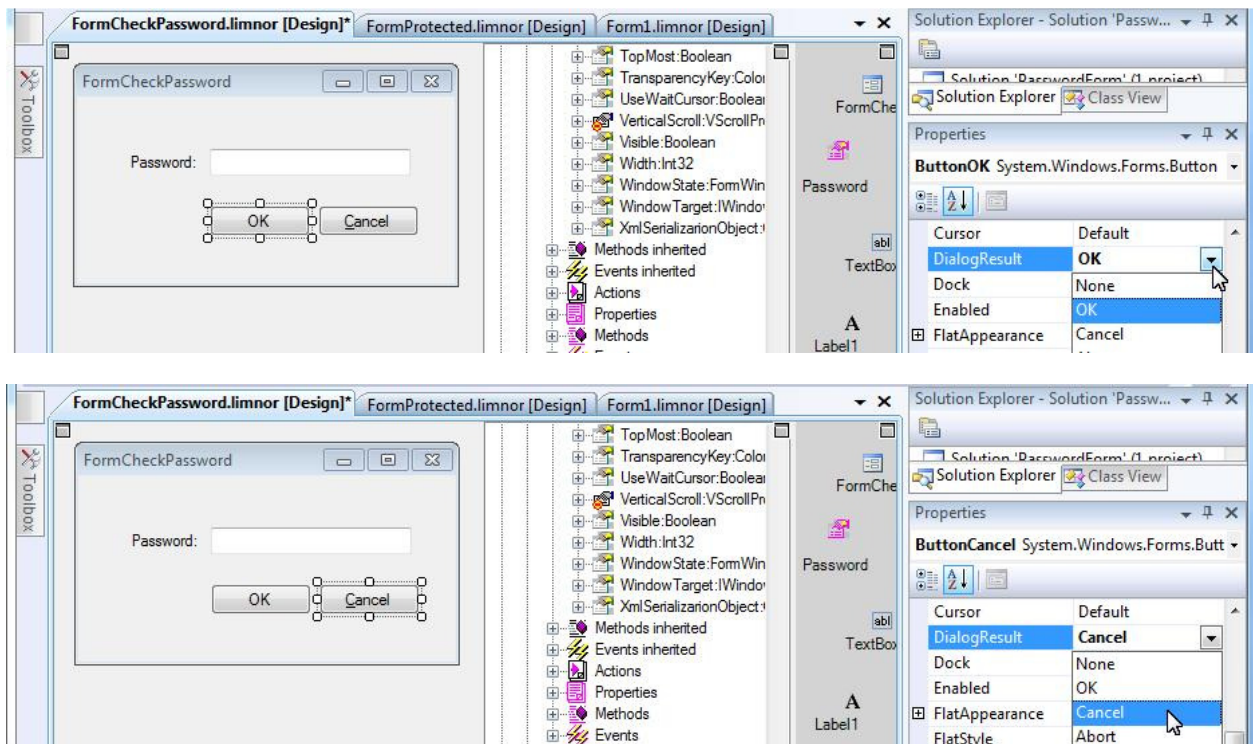
Dialogue Result

The user may cancel a dialogue. A form has a DialogResult property for indicating how the user closes the dialogue.



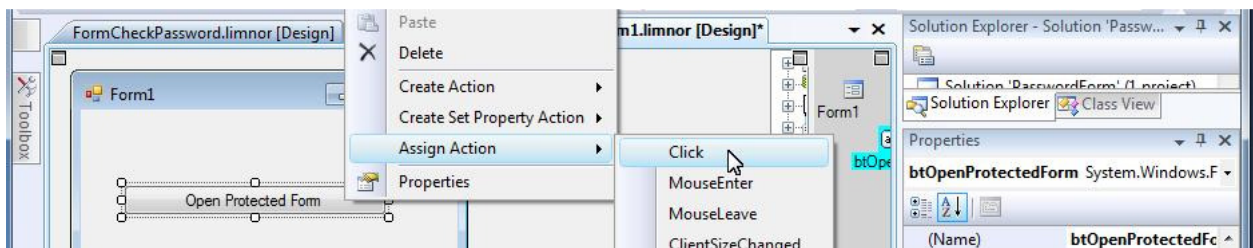
If we use an action to set the DialogResult property to a not "None" value then the dialogue will close.

We may also use buttons to close a dialogue. A button has its own DialogResult property. If we set a button's DialogResult to not "None" then the button will be used to close the dialogue. When the user click the button, the button's DialogResult is passed to the form's DialogResult, and form closes.

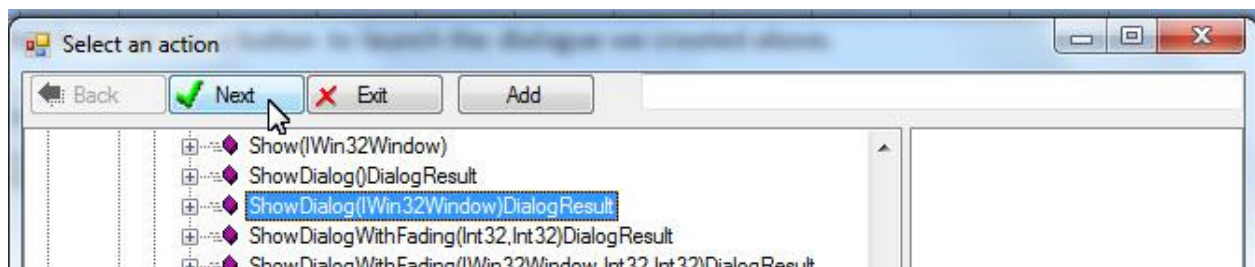
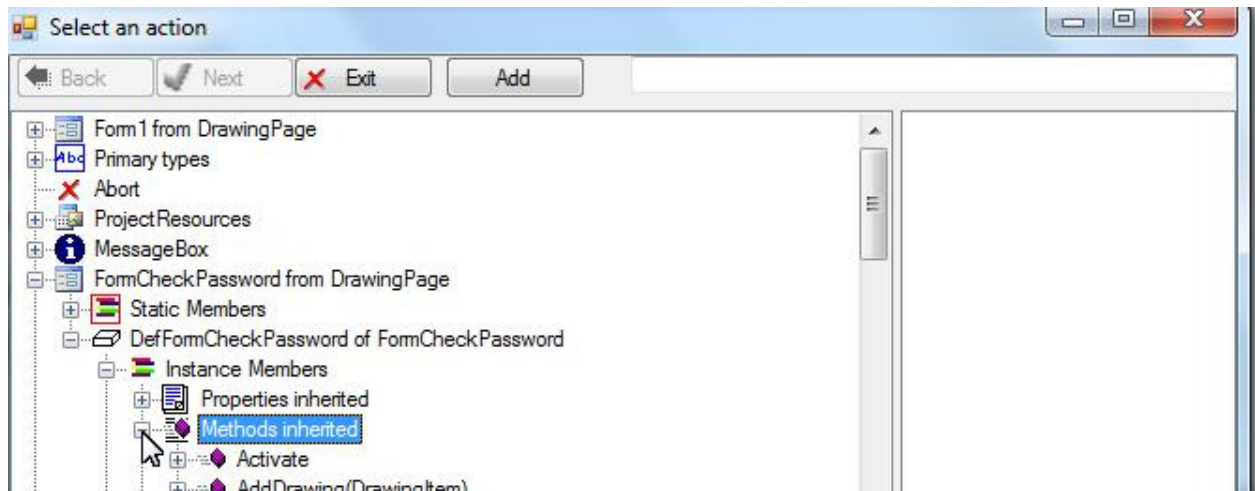


Use Dialogue

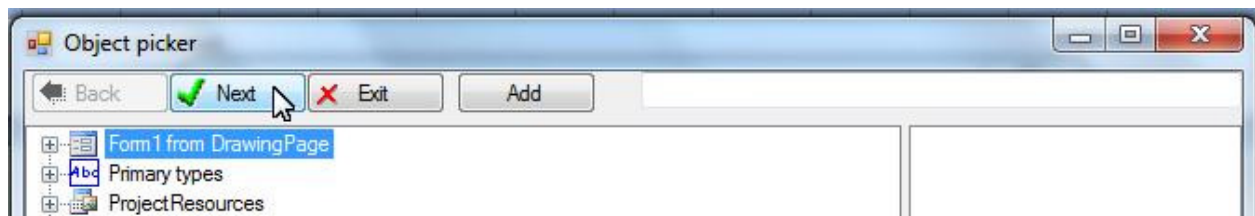
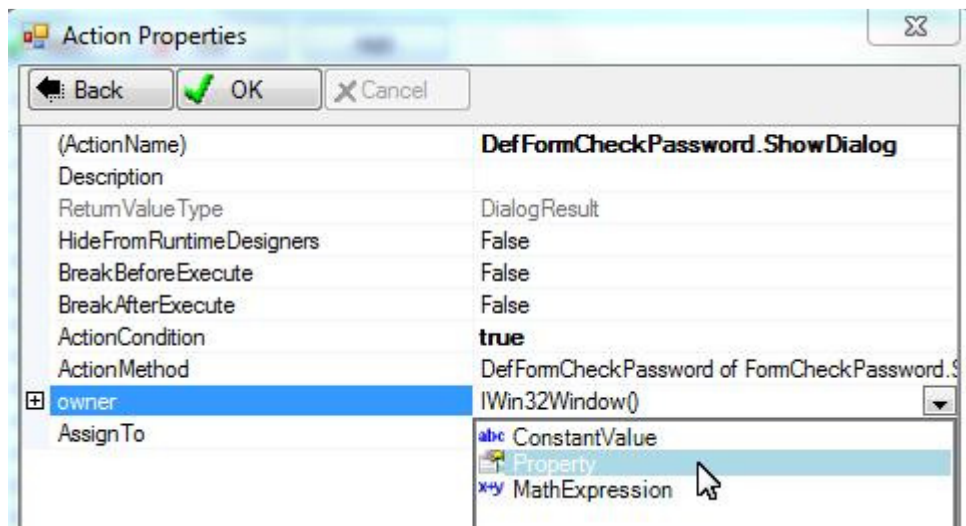
In another form we use a button to launch the dialogue we created above.



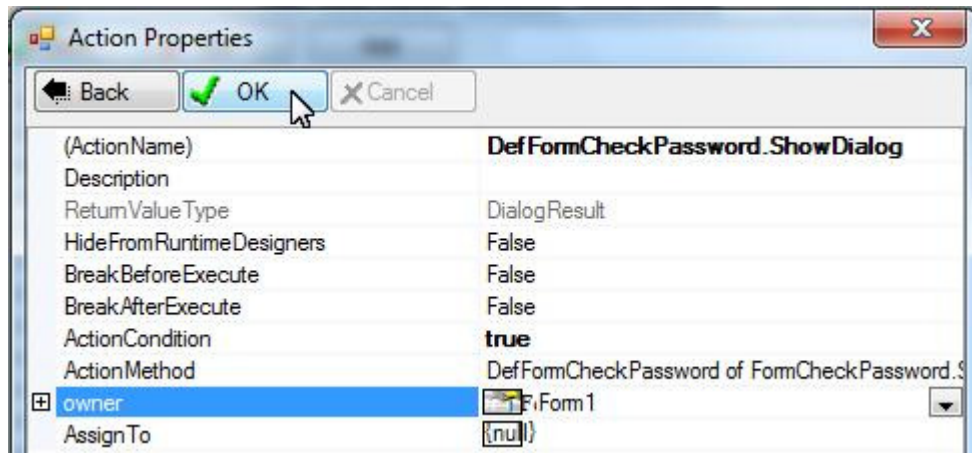
Execute ShowDialog of the default instance of the dialogue form:



Set the owner of the dialogue:



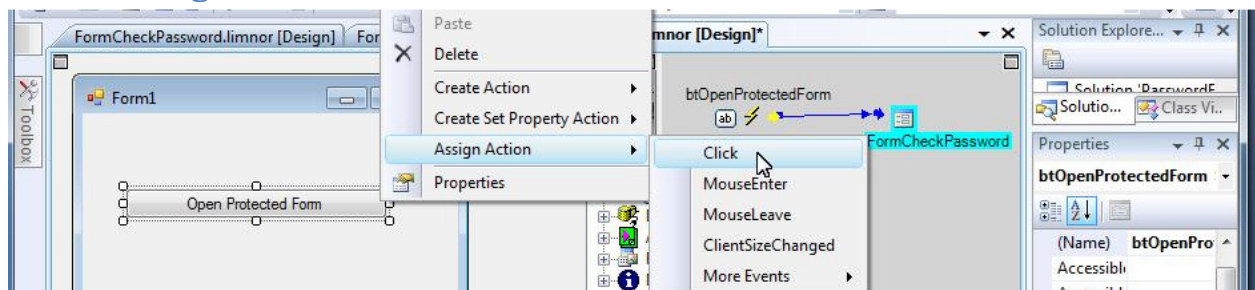
This action returns the DialogResult property of the dialogue form. If we want to remember this value then we may set the action's "AssignTo". This sample does not use it.

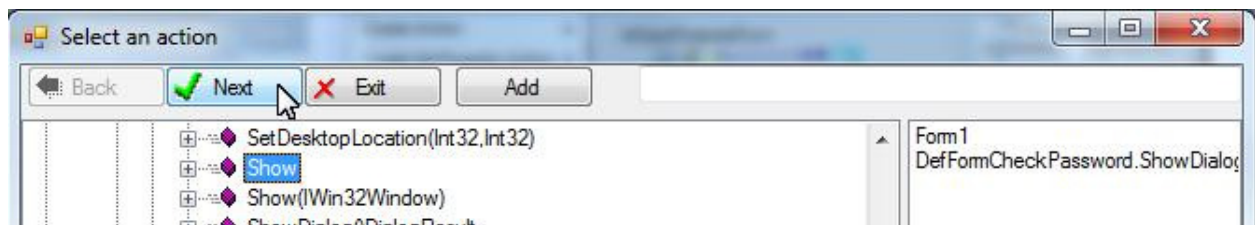
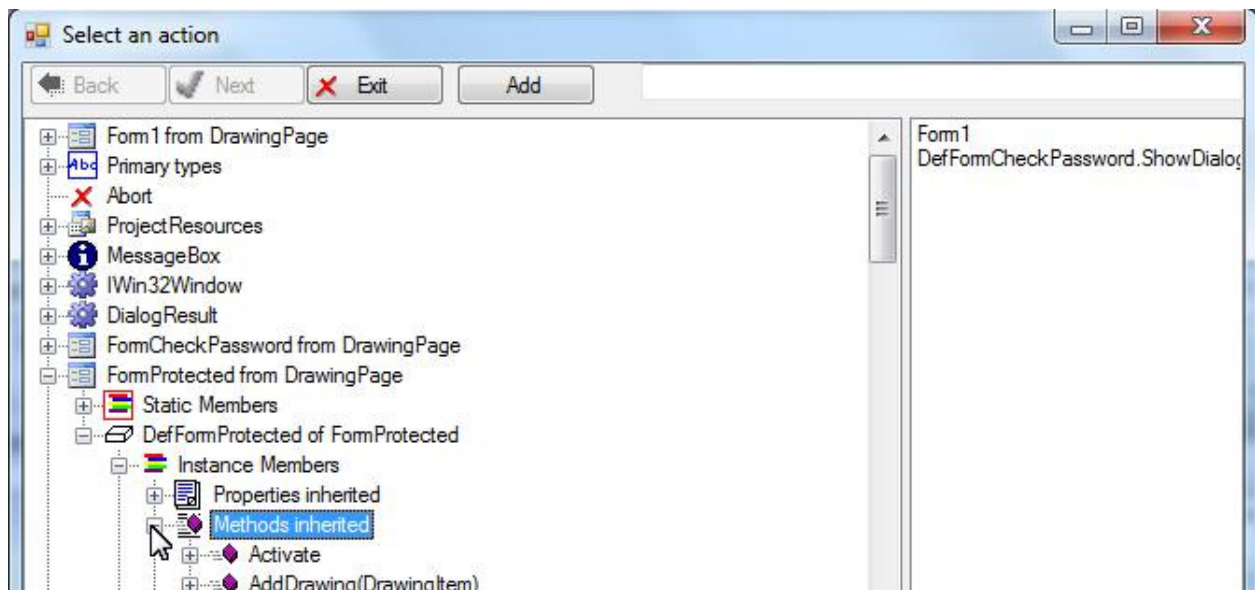


Check Dialogue Result

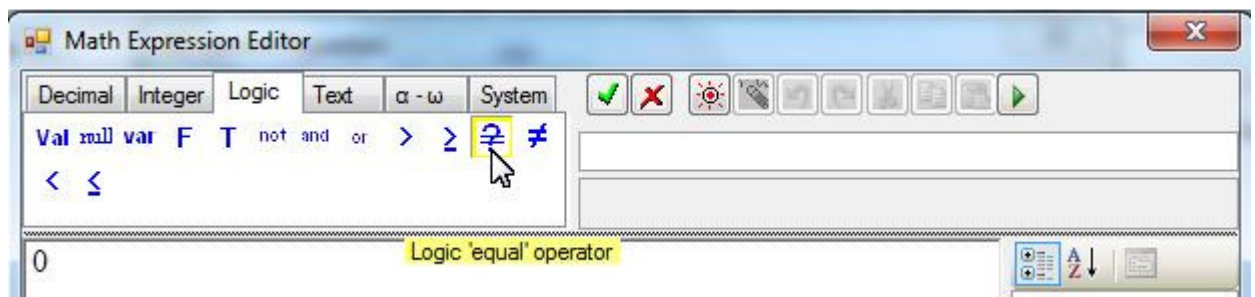
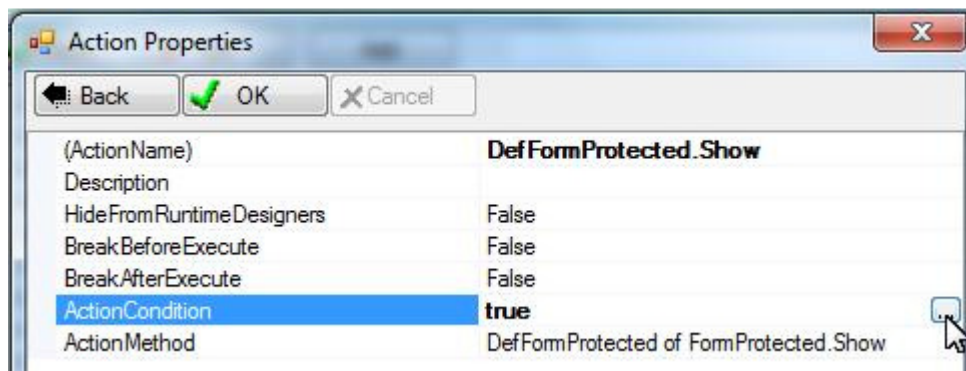
This sample launches another form after calling the dialogue, on the condition that the dialogue result is OK and the password is "123".

Check DialogResult

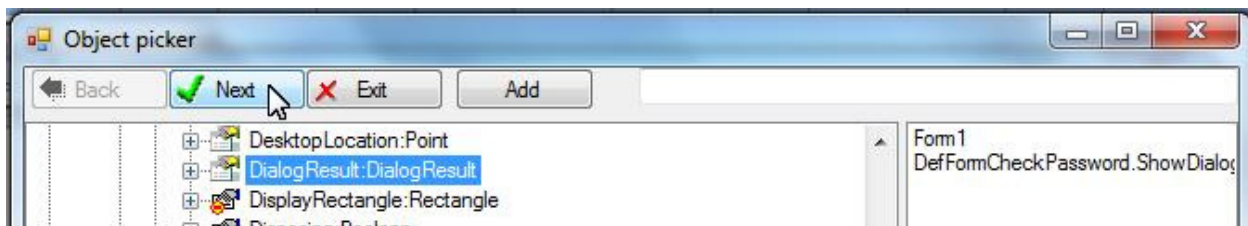
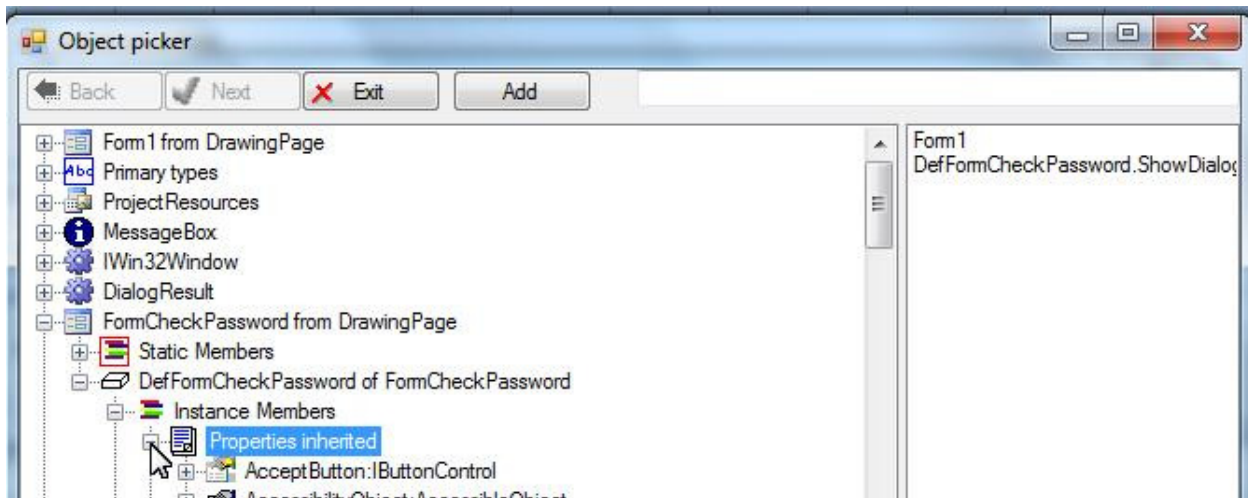
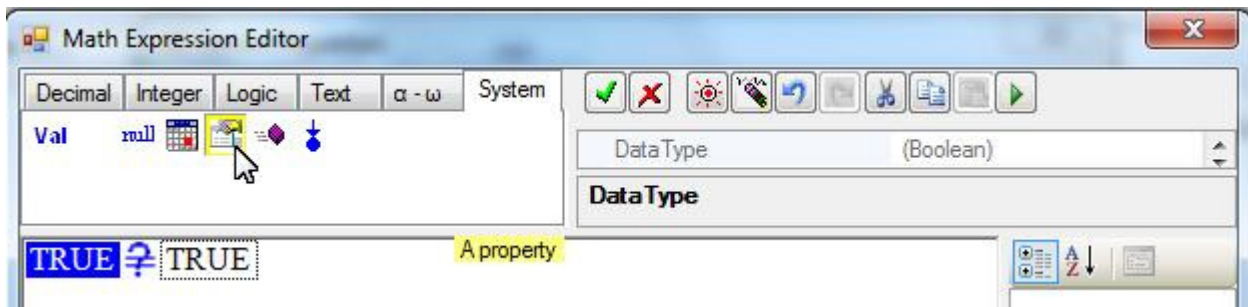




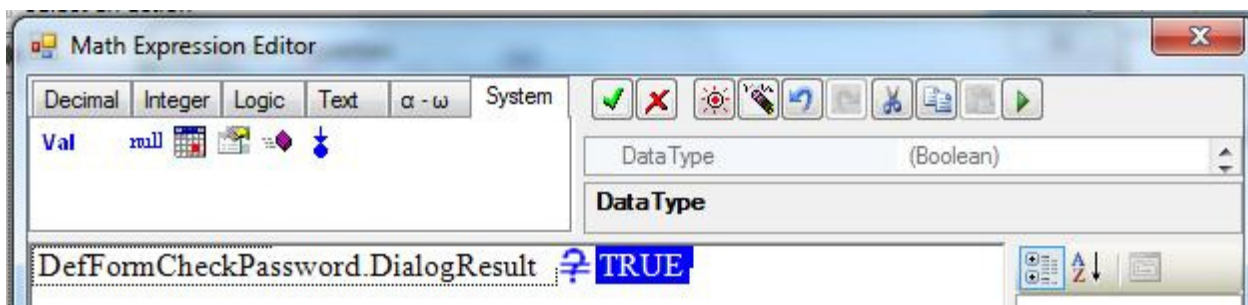
Set the ActionCondition:

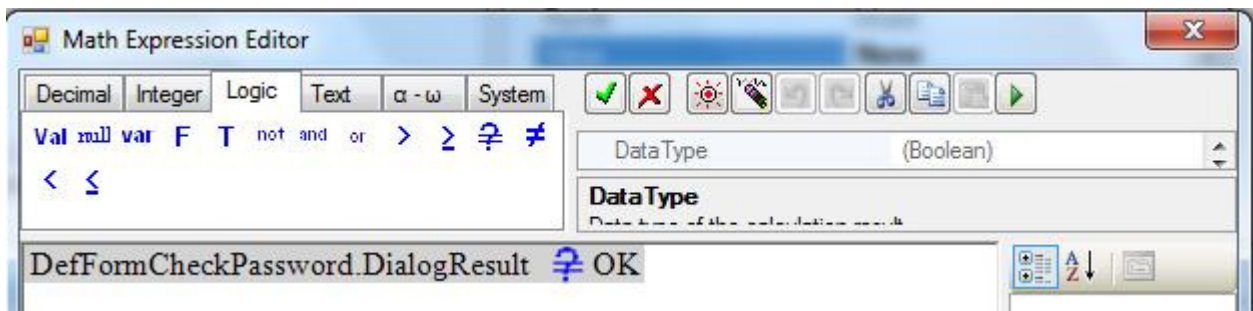
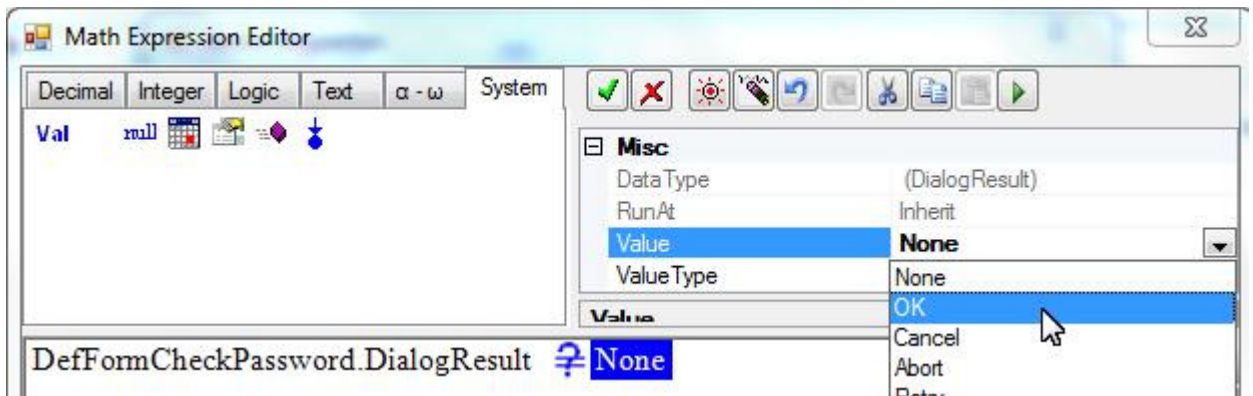
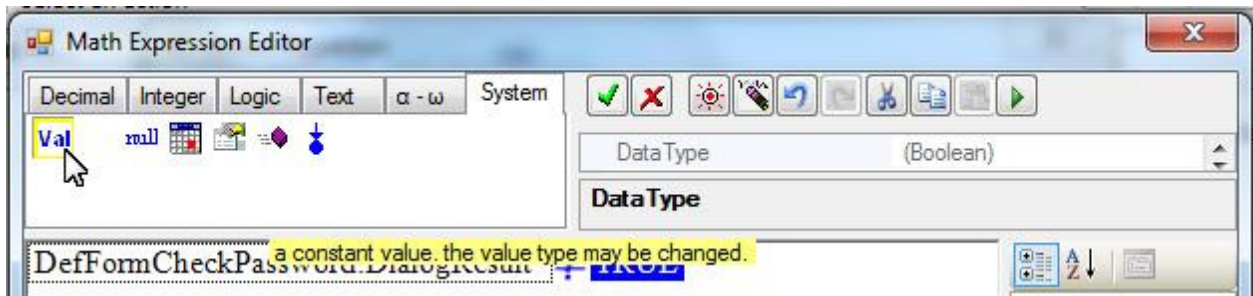


Select the dialogue result of the dialogue box:



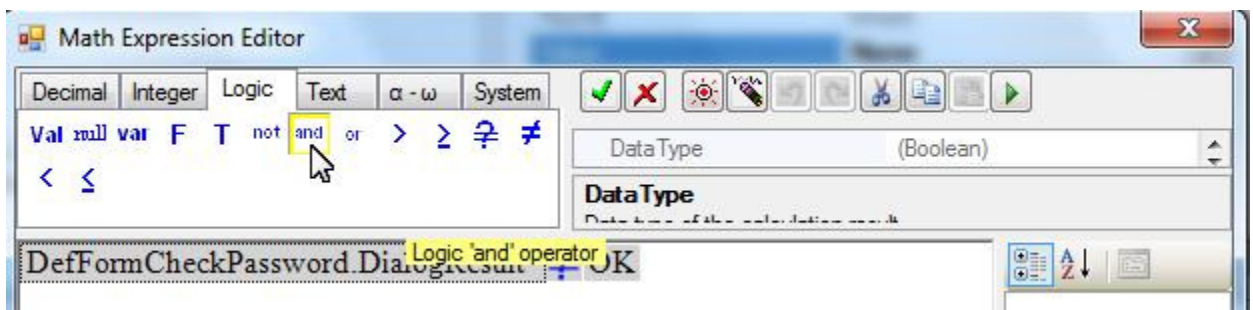
Check if the dialogue result is OK:

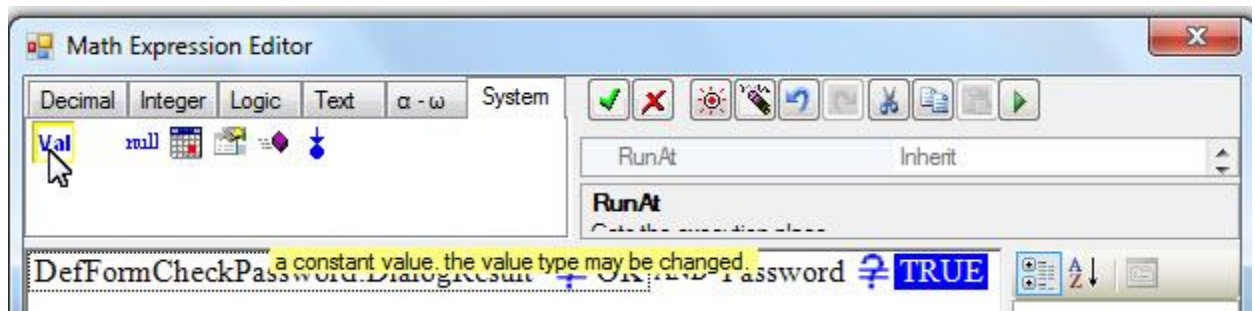
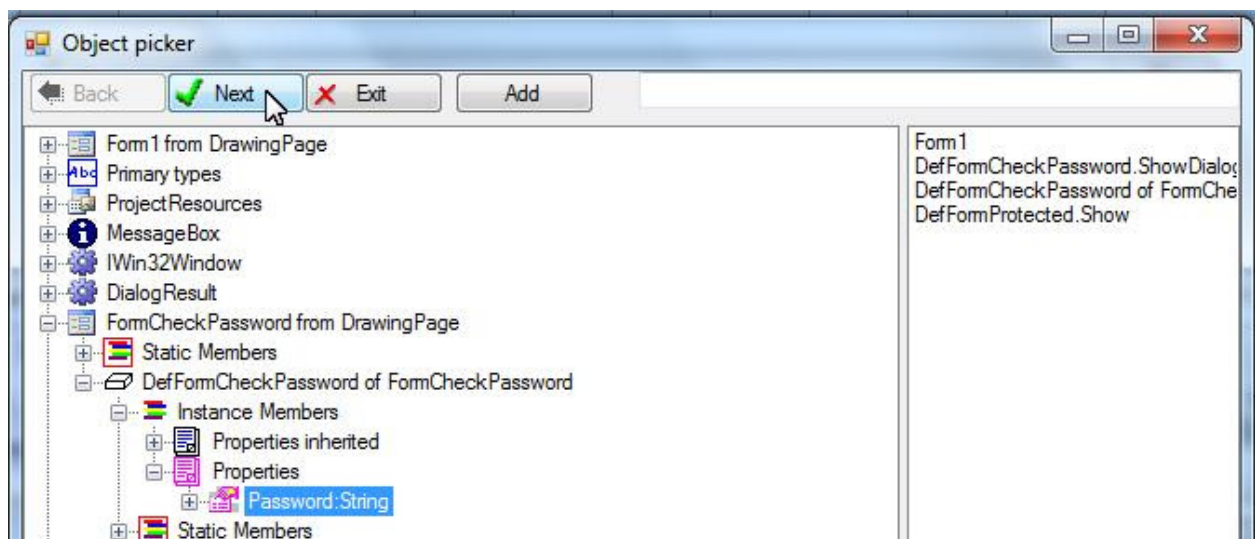
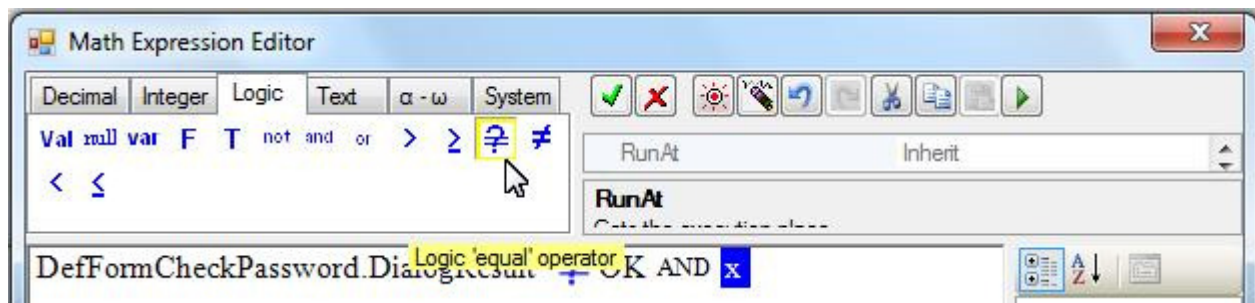


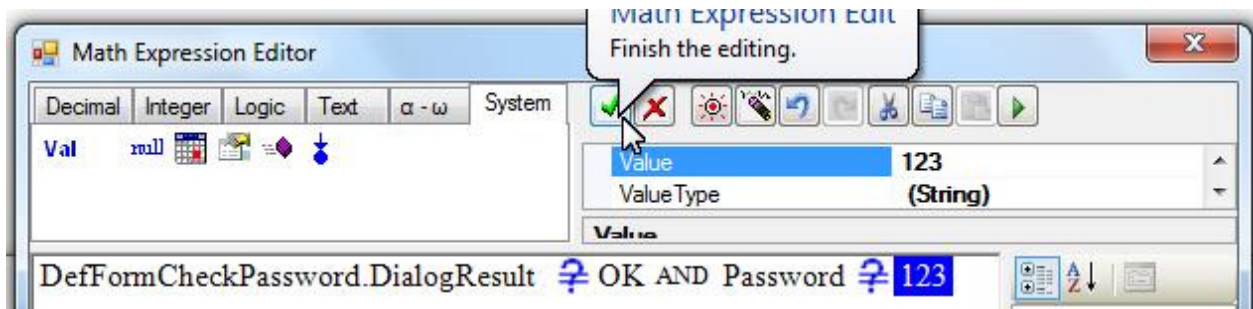


Check password

Add an "AND" condition:

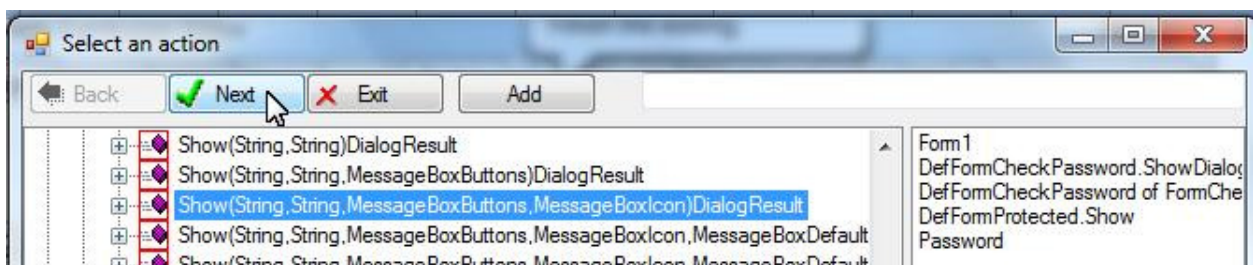
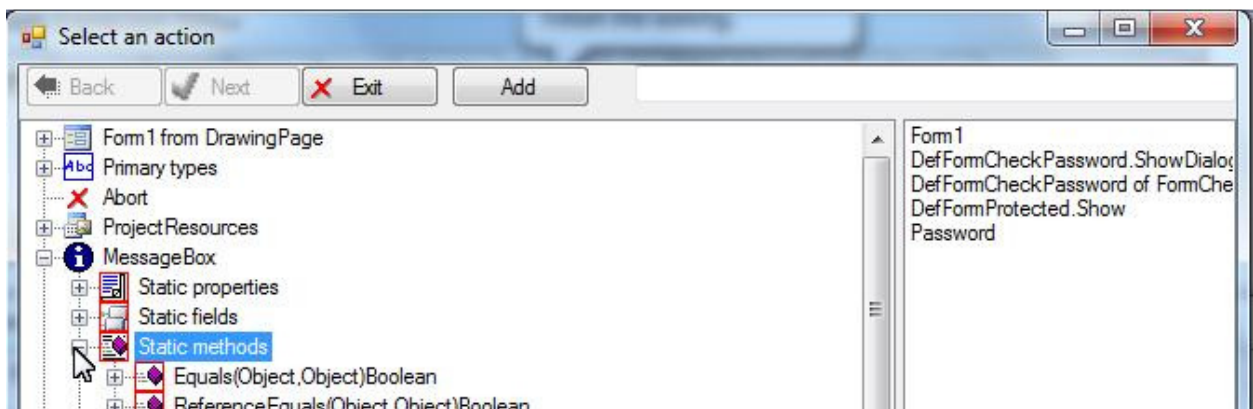
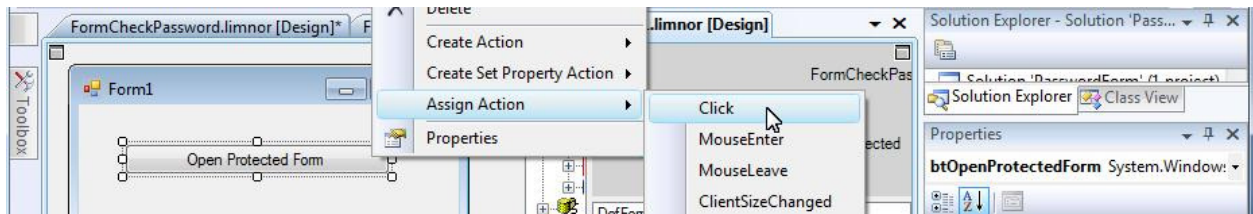


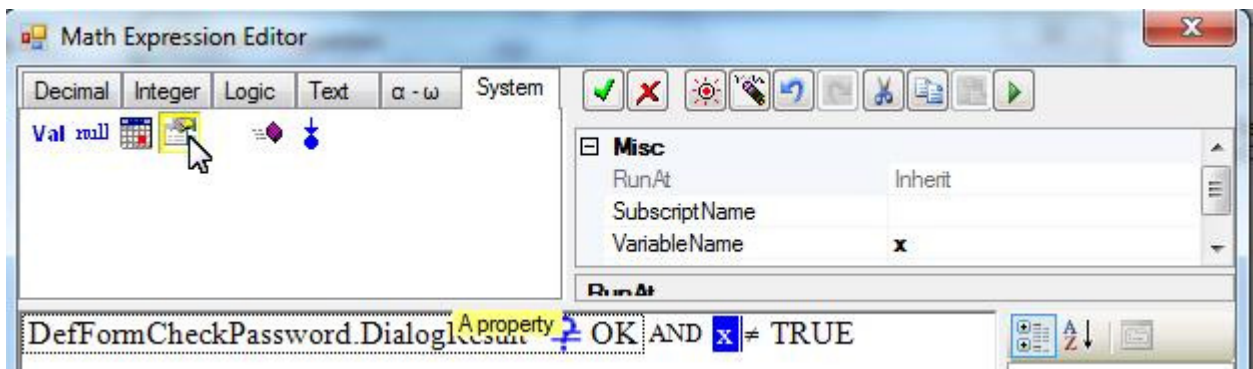
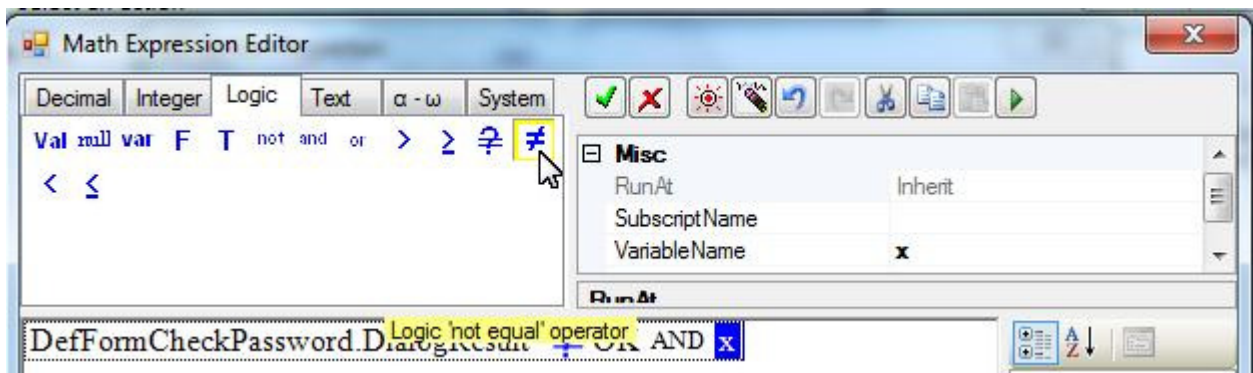
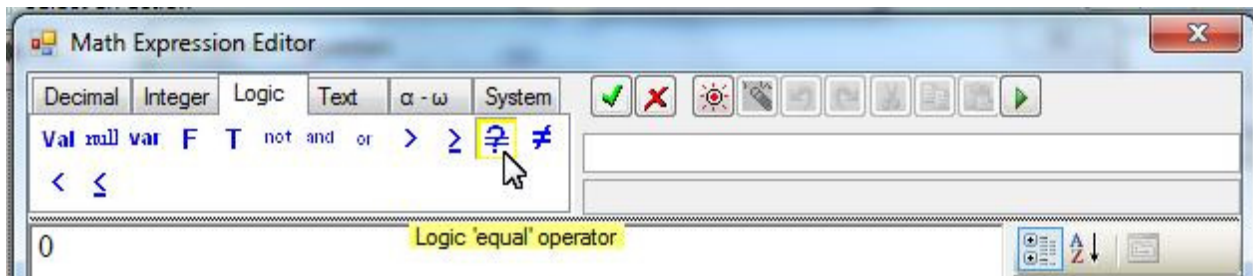
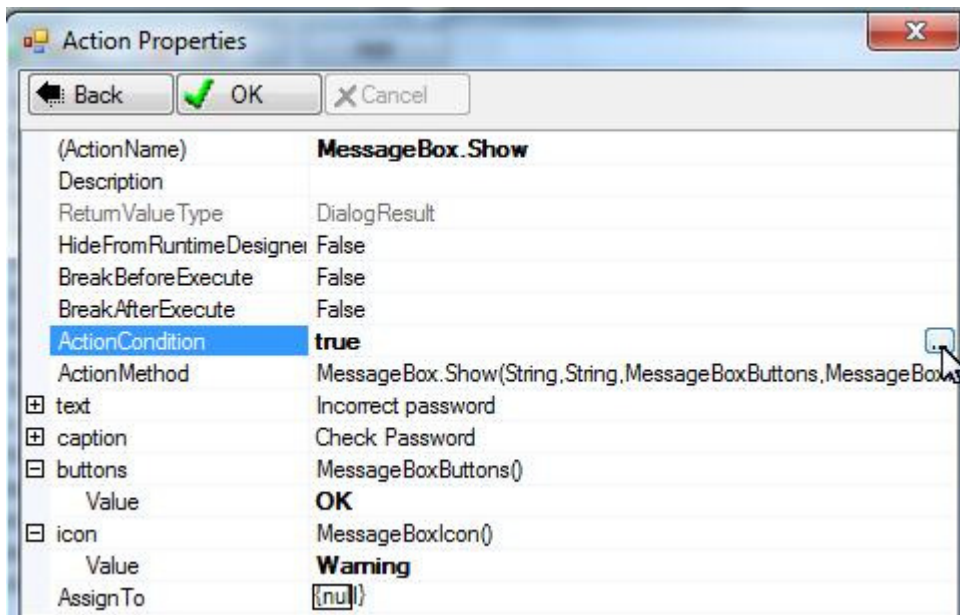


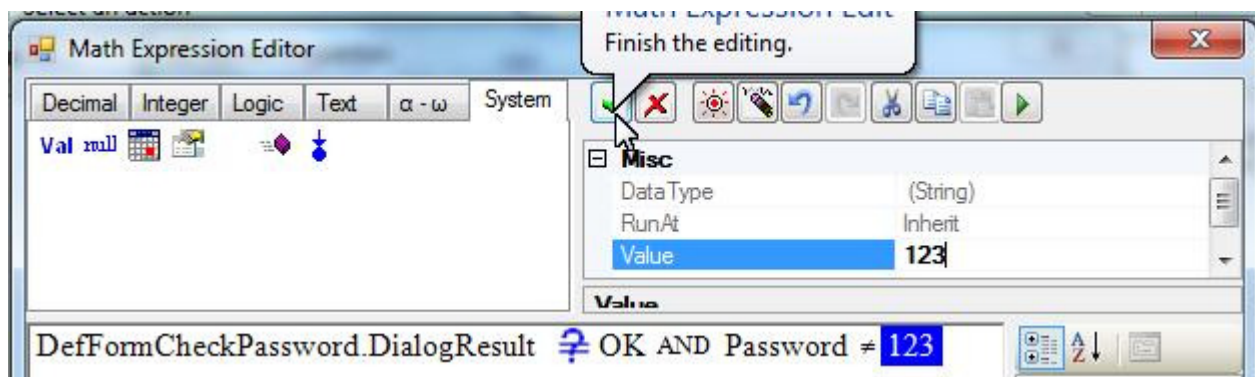
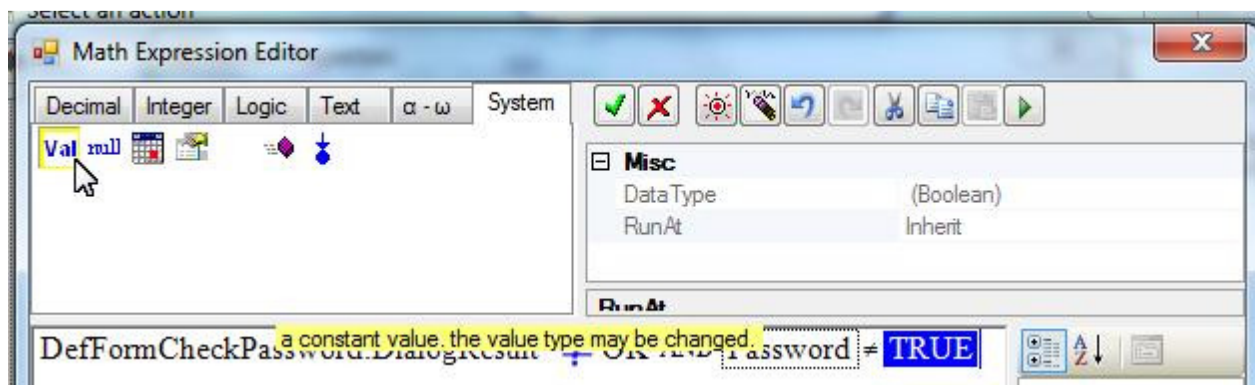
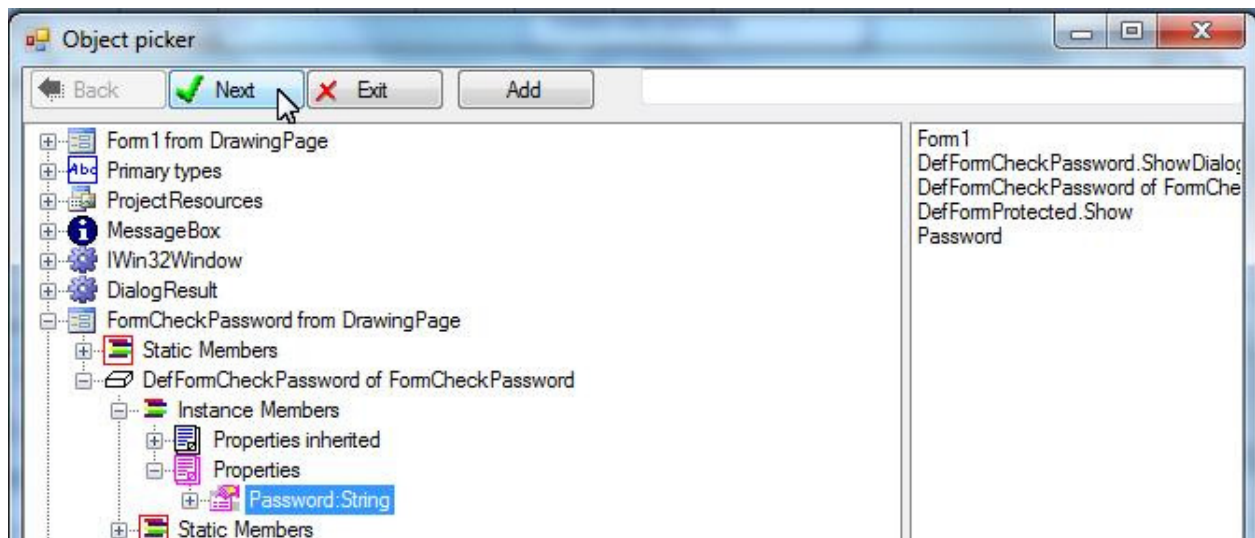


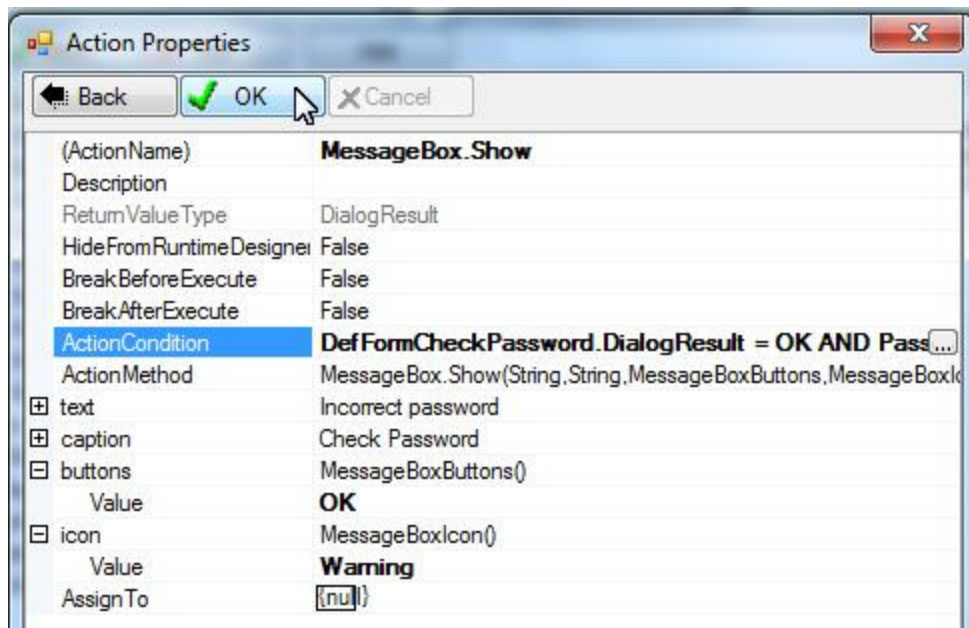
Show error

We may add an action to display an error message if the password is not "123".



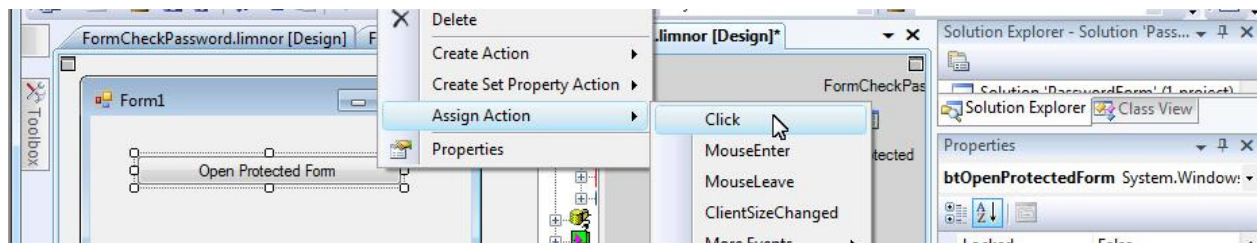


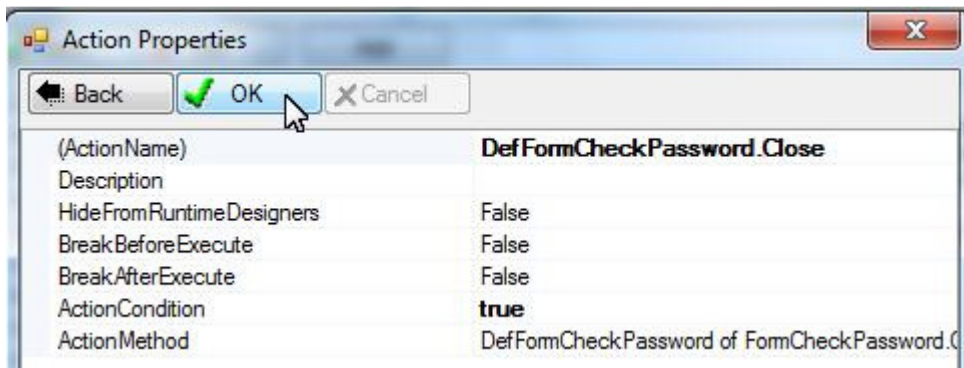
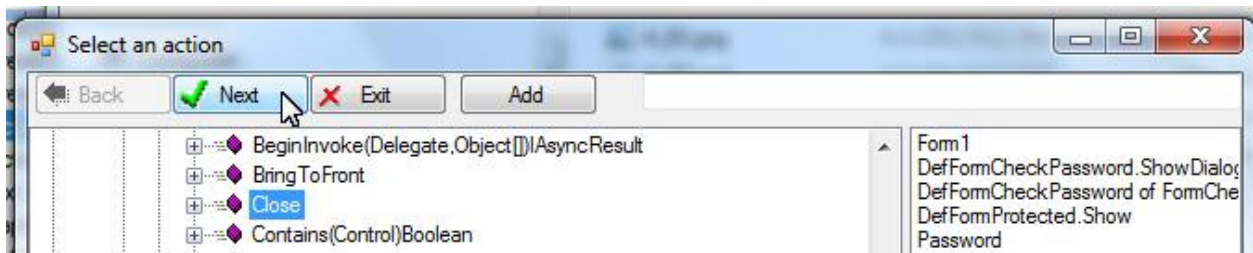
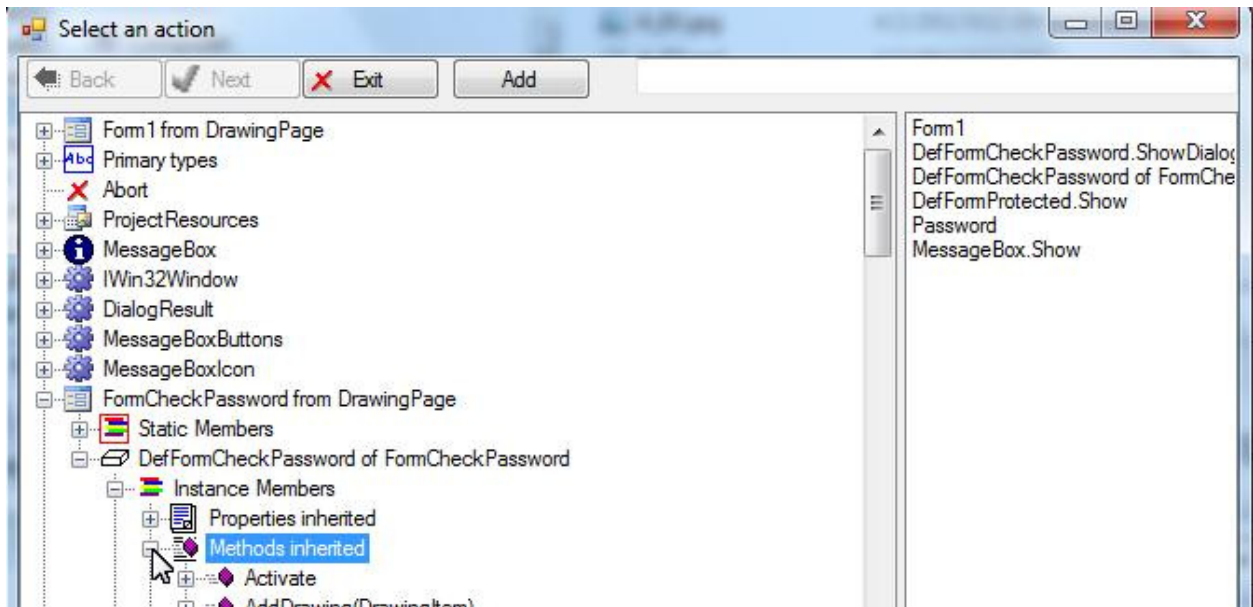




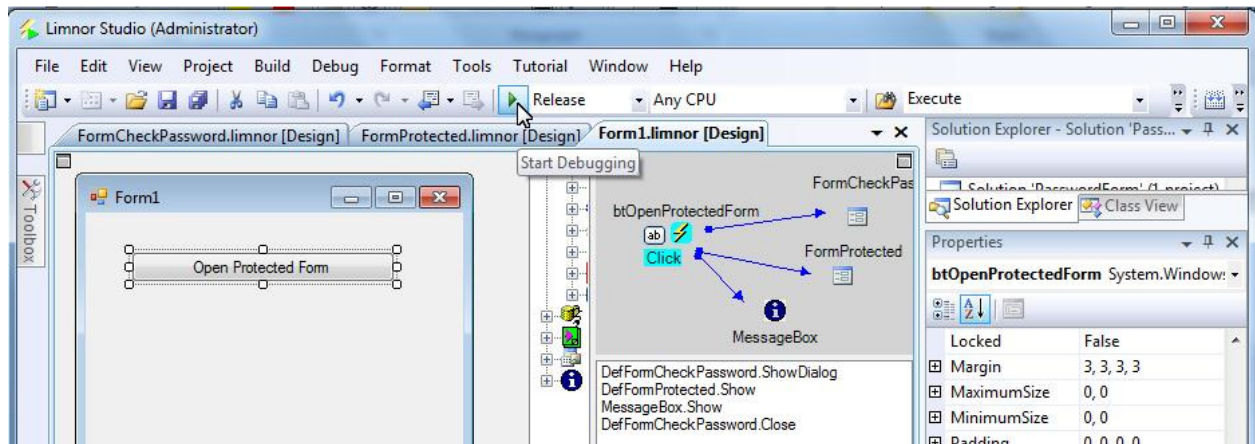
Unload dialogue box

After using the dialogue box if we want to reset the dialogue form then we may execute an close action on it. For this sample since we want to reset the password text box, we do want to reset the dialogue form.

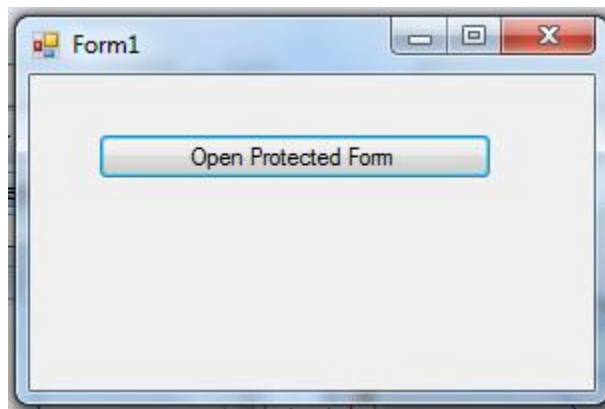




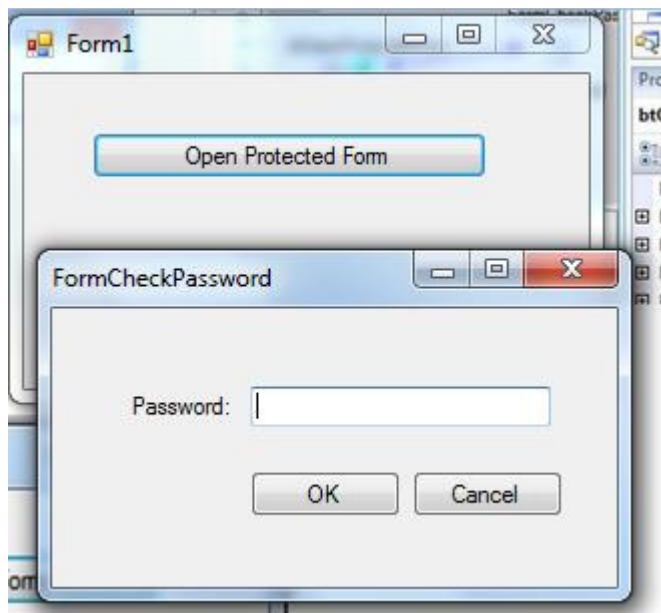
Test



The first form appears:



Click the button. The dialogue box appear:



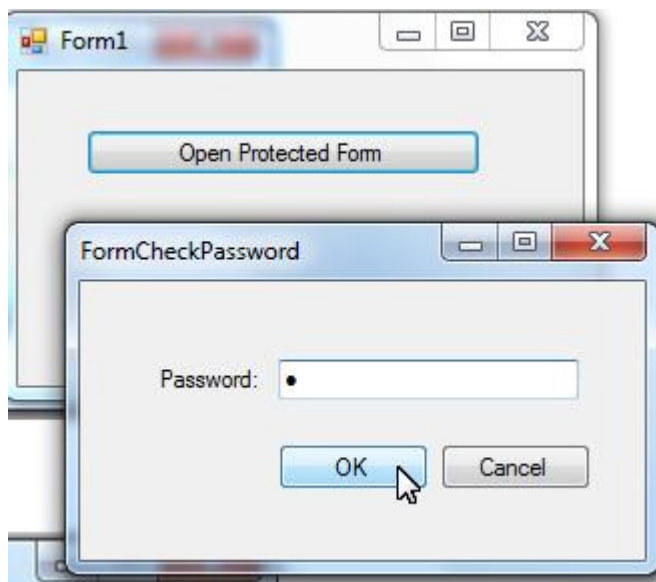
Enter correct password and click OK



The protected form appears:



Close the protected form and try it again. This time enter an incorrect password:



An error message appears:



Launch the dialogue box again. Click Cancel button:



The dialogue box disappears. Nothing else appears. There is not error message and not the protected form.