Programming with Visual HTML Editor

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Introduction

Limnor Studio provides two web page editors: Web Form Editor and Visual HTML Editor. See http://www.limnor.com/support/webEditors.pdf. This document shows programming samples using the Visual HTML Editor.

One sample is to develop a web page for sending emails. It uses text boxes for the visitor to enter email recipients, email subject and email body. It uses a button to send email. It uses a database to record the time used for sending the email.

One sample is to use data-binding to link databases to HTML elements. Data from database are automatically displayed on HTML elements. The visitor enters data into HTML elements and the data are saved back to the databases.

One sample is to use File Upload element to upload files to web server.

Use Visual HTML Editor

See http://www.limnor.com/support/WebHtmlEditorProgramming1.pdf

Web Programming

See http://www.limnor.com/support/WebHtmlEditorProgramming2.pdf

Data binding

Data-binding links web page elements with databases. Data move between web page elements and databases automatically, making it easy for showing data and modifying data.

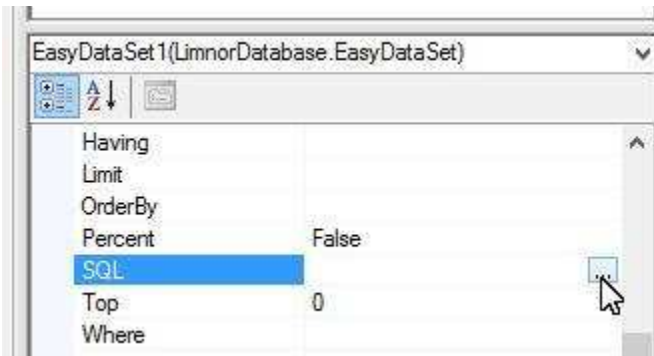Let's create a new web page to show some samples of data binding.

Setup database query

Add an EasyDataSet component to the web page for connecting to a database. This must be done in the Web Form Editor, not in the Visual HTML Editor.
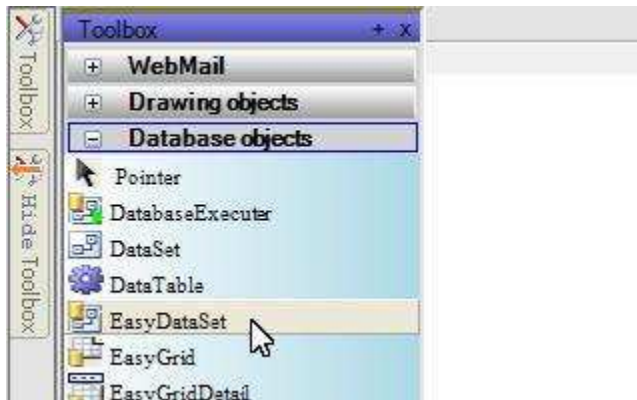
An EasyDataSet component, EasyDataSet1, appears:

Set its SQL property to query the database for data:
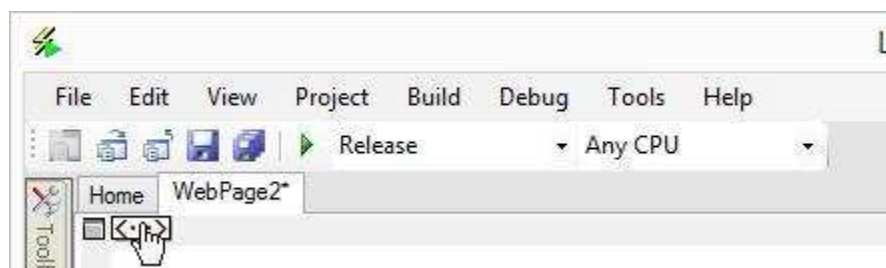
Build a query to fetch desired data:
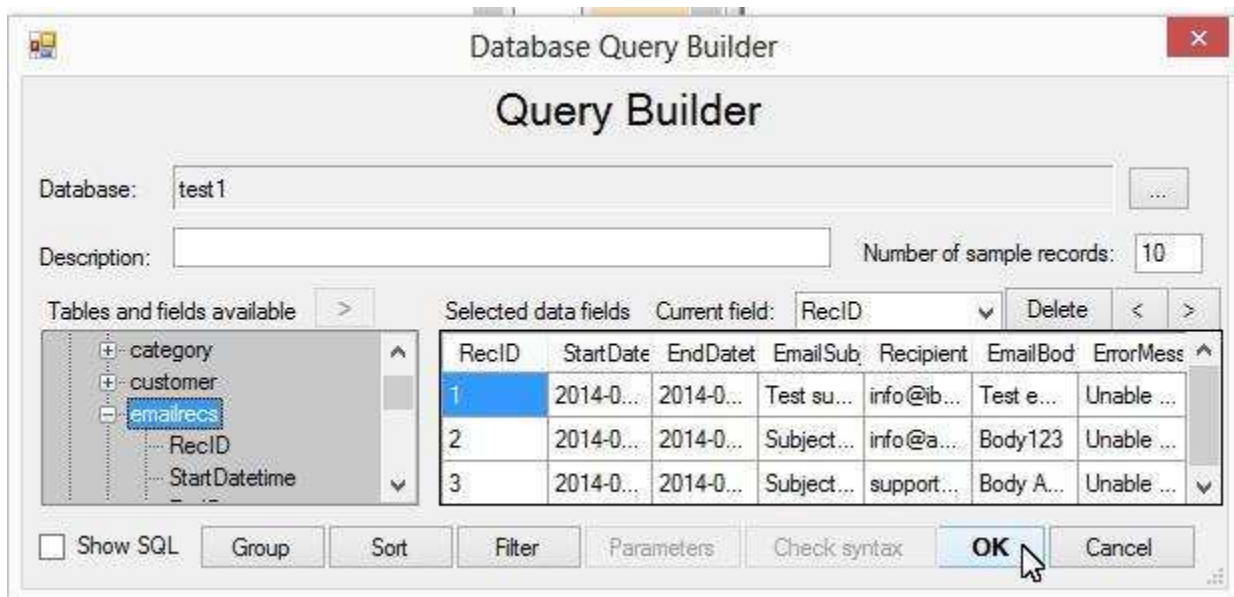
Usually filters should be used to limit records to be fetched. In our sample, we simply fetch all records from a table:
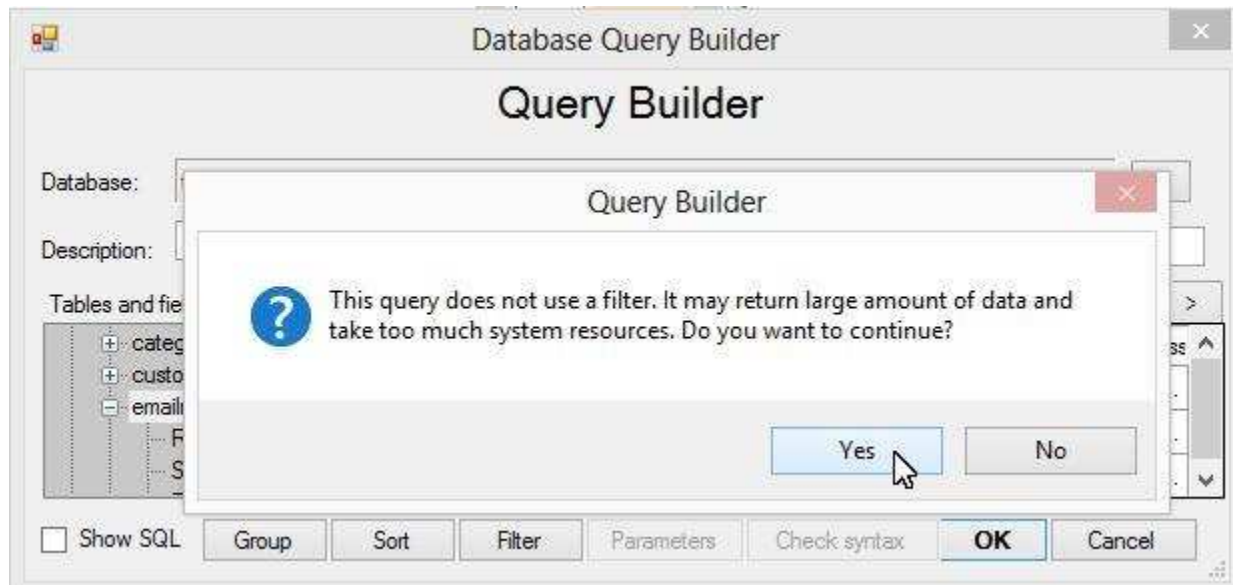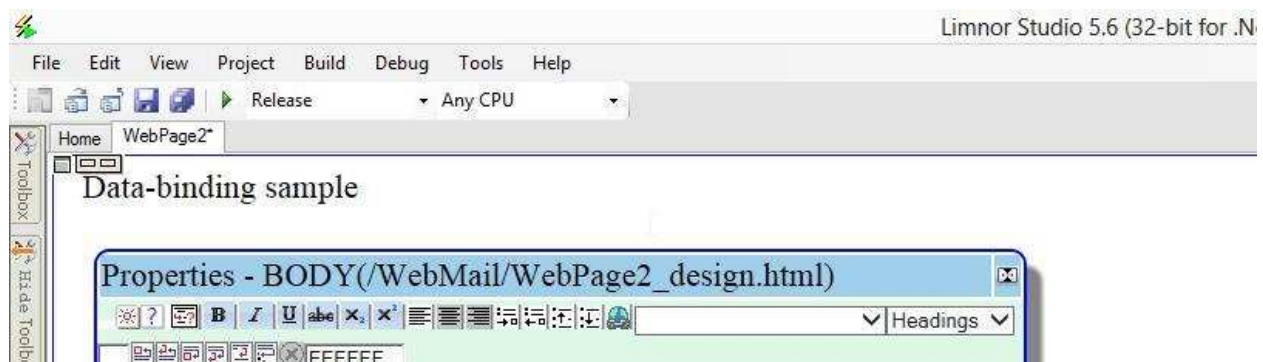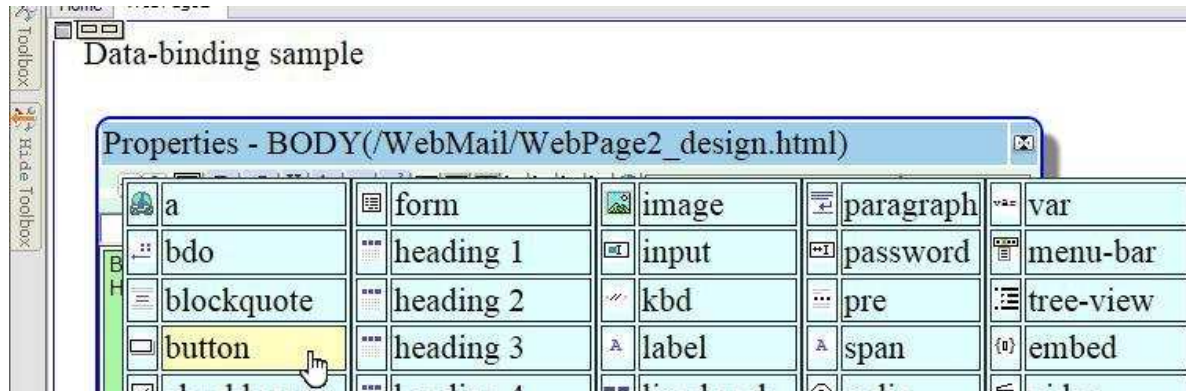
Build web page

Now we have data from database. We may switch to the Visual HTML Editor to build the web page.
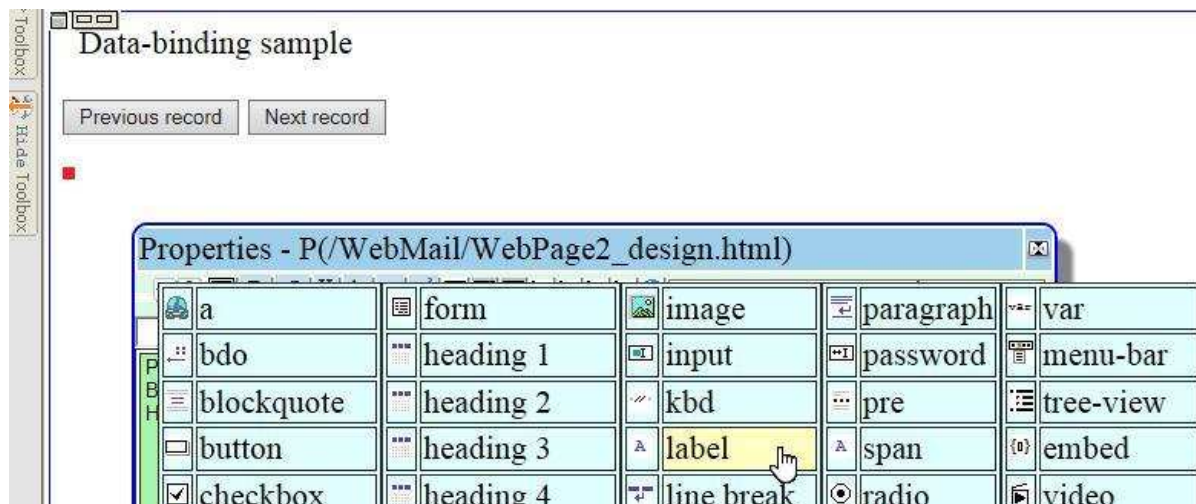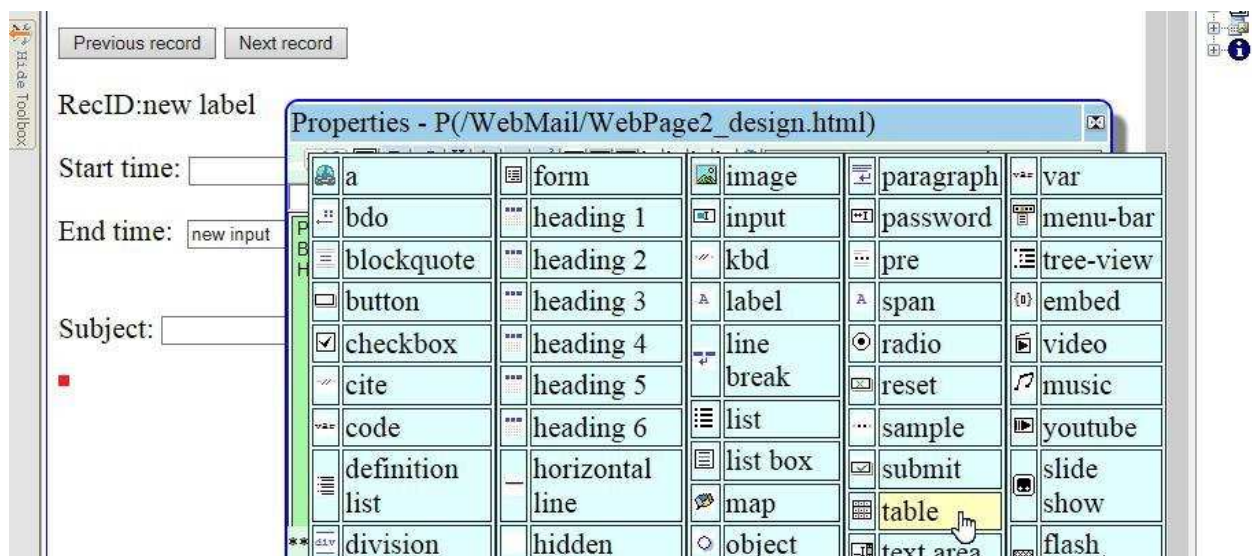

Start building the web page:

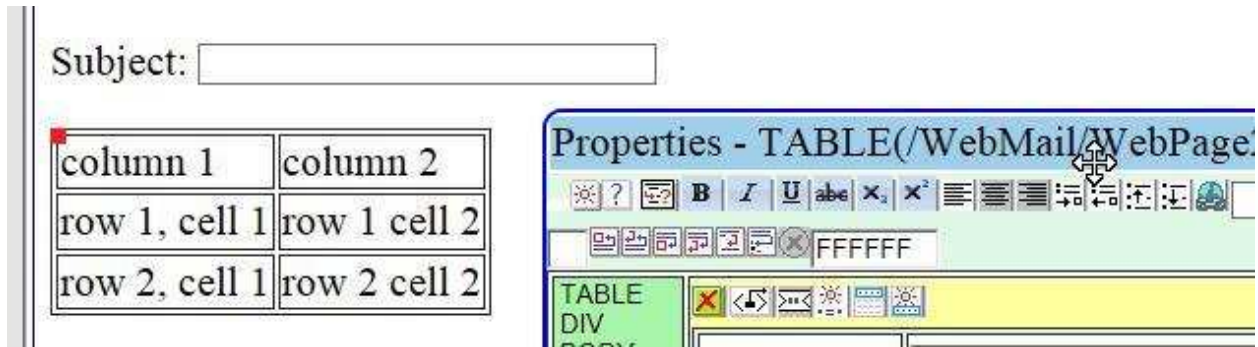Add some buttons for database record navigations:

Add some labels and text boxes for showing read-only and writable data:

Add a table:

Setup data-bindings

Keep in mind that the data-bindings for one HTML element do not rely on any other HTML elements. We added those elements on the web page for demonstrating purpose only.

Click a label to bind it to field RecID because RecID is an auto-number which is read-only:

Now the RecID is linked with the innerHTML property of the label:

Usually for text boxes, data-binding should be done for "value" property:
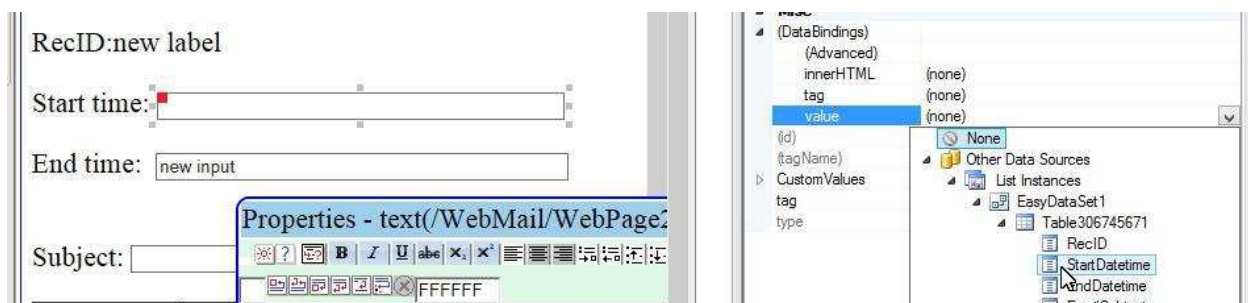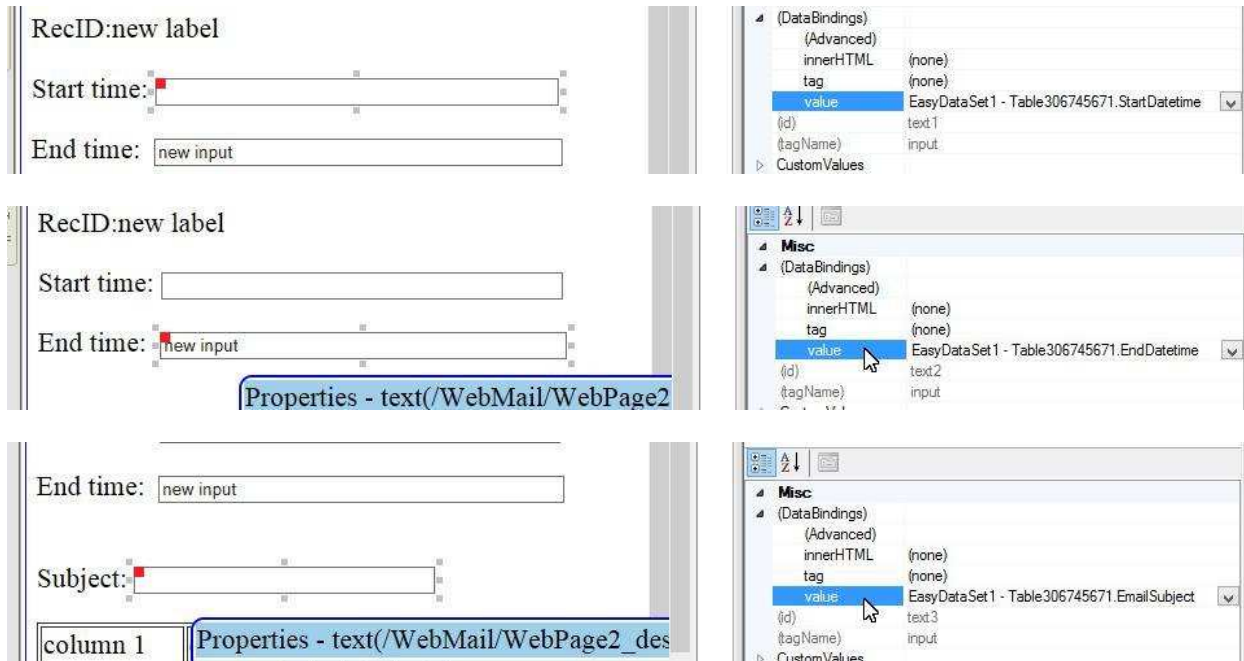
Data-binding for a table is done through its DataSource property:
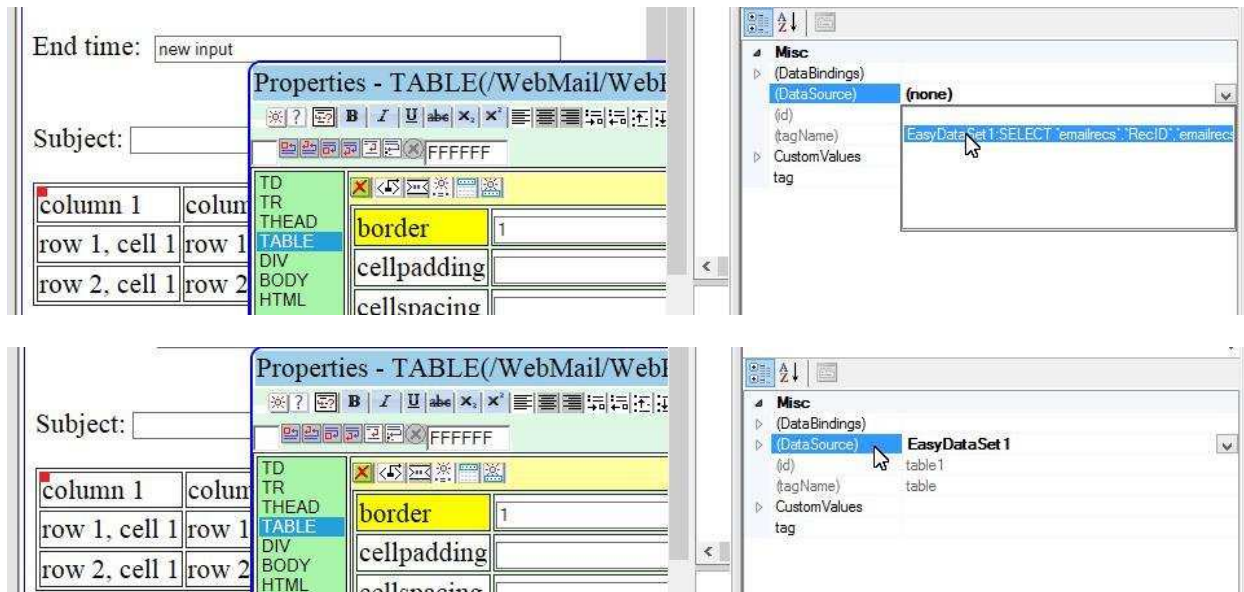
Note that "TABLE" must be selected so that "DataSource" can be set.

Record navigation
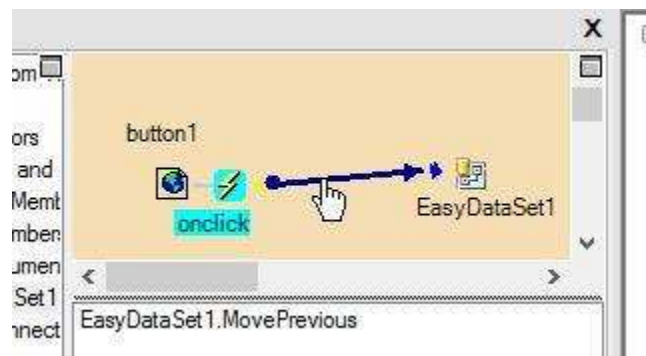
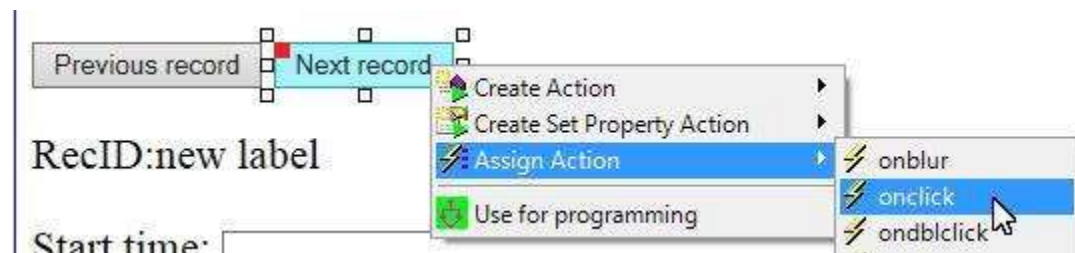We use two buttons for sample programming of record navigations.
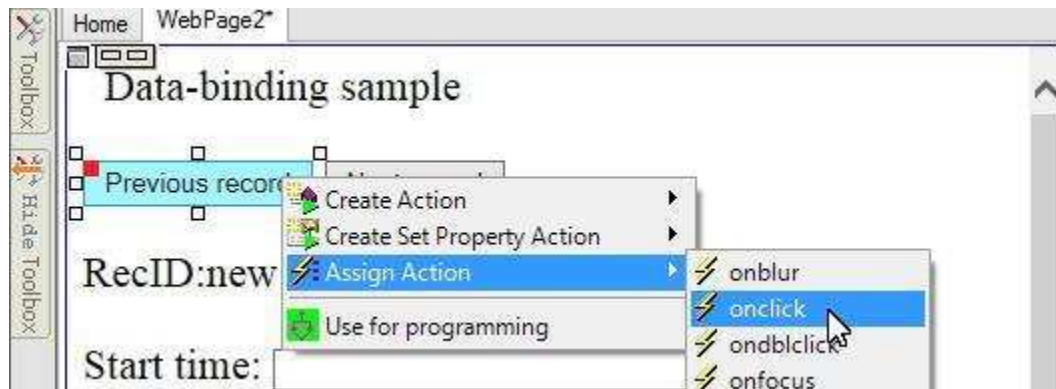
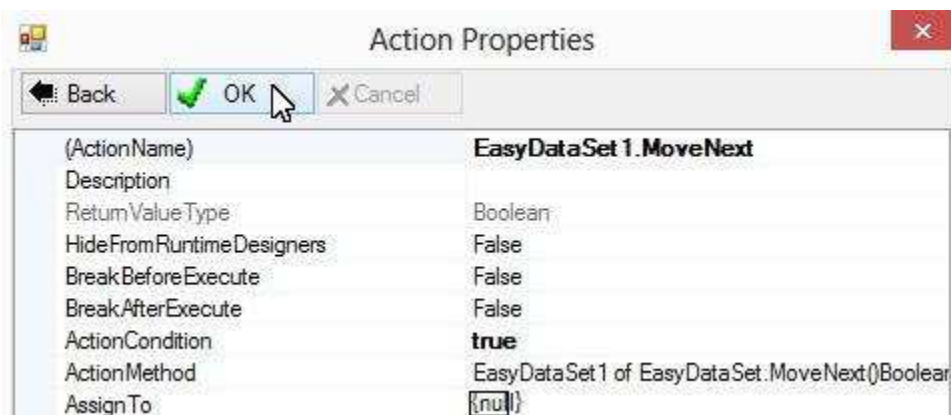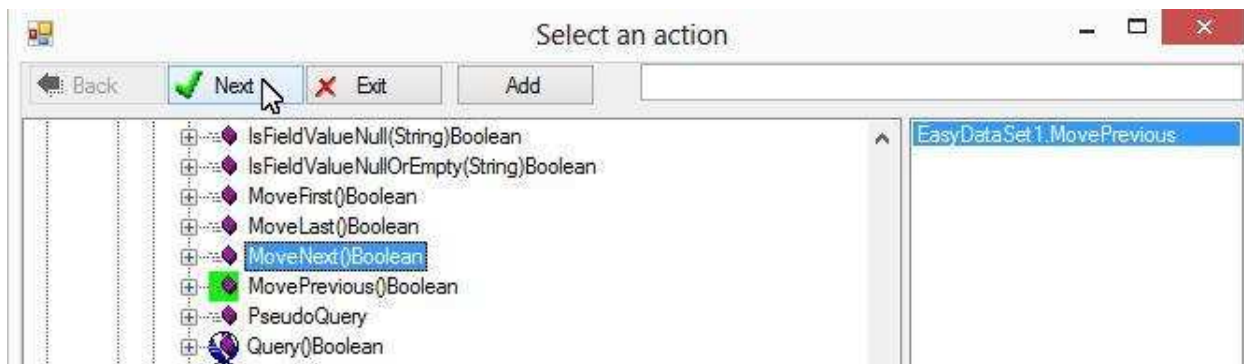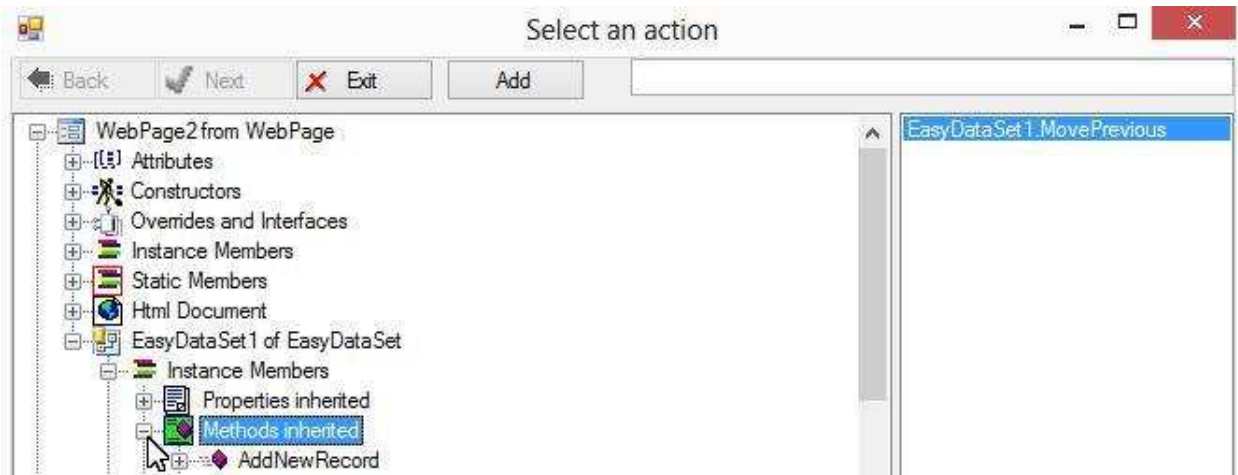Select MovePrevious method of EasyDataSet1:
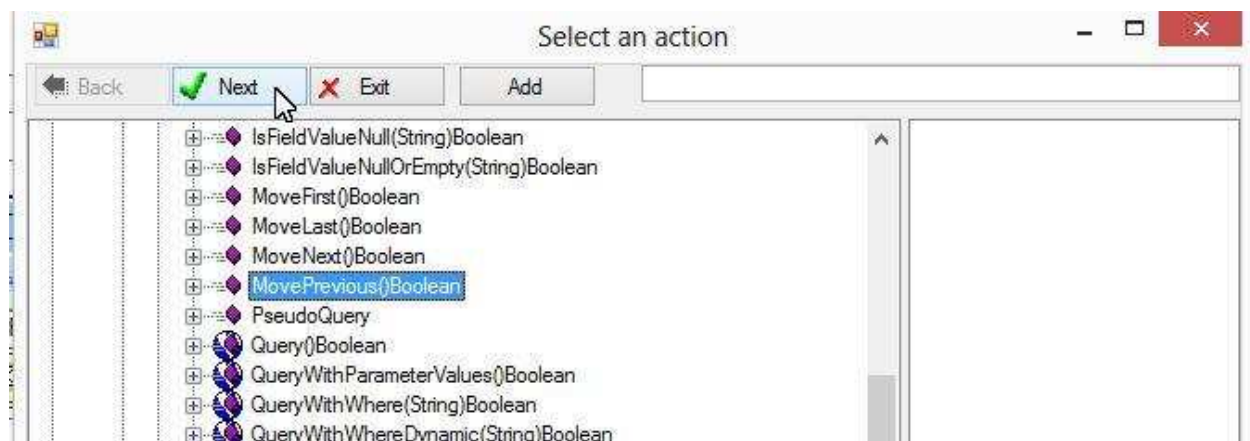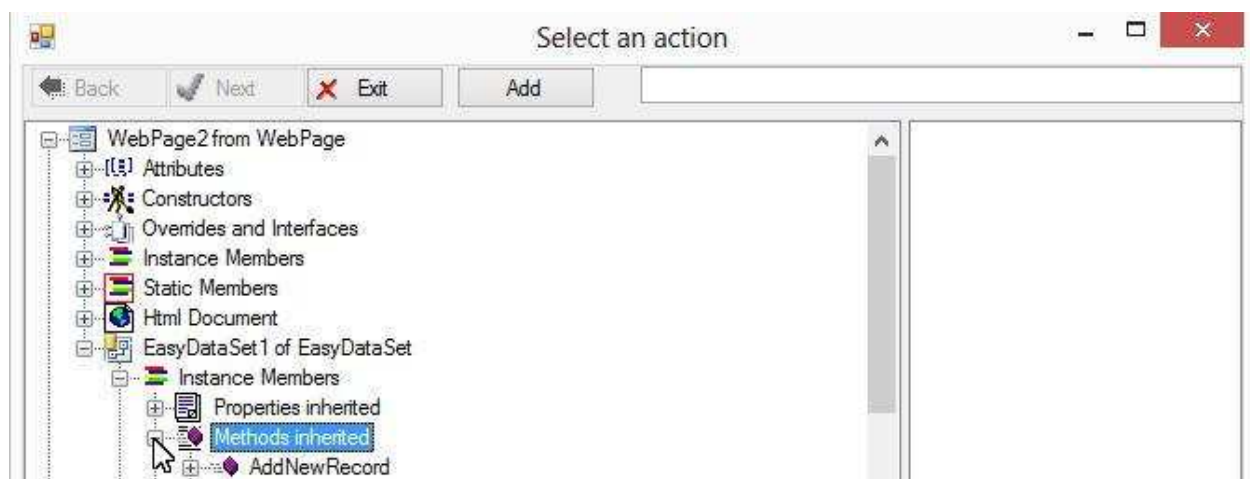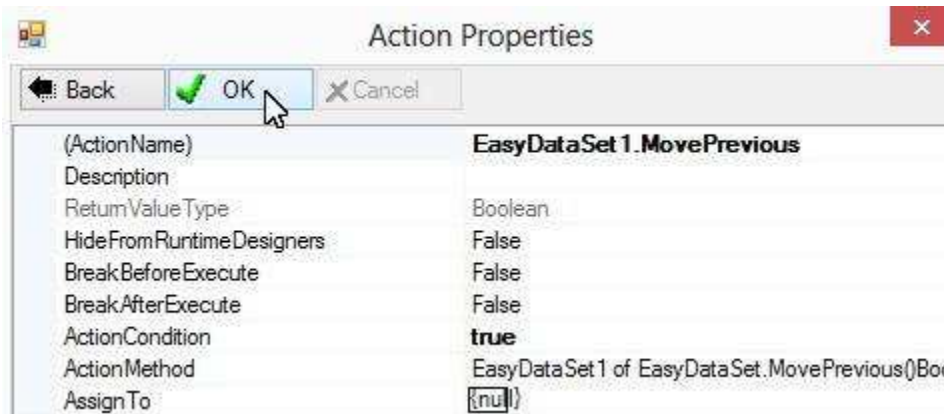
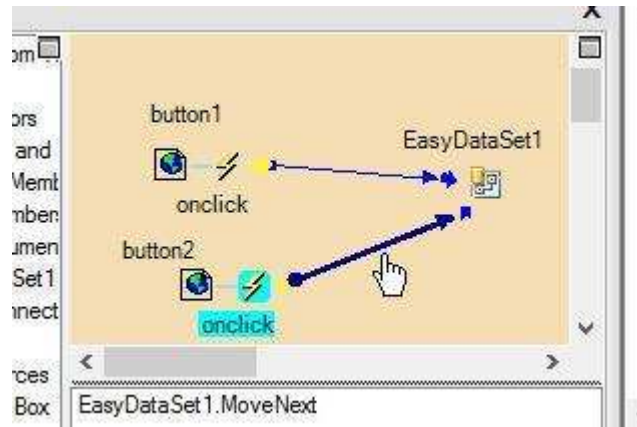The action is created and assigned to the button:

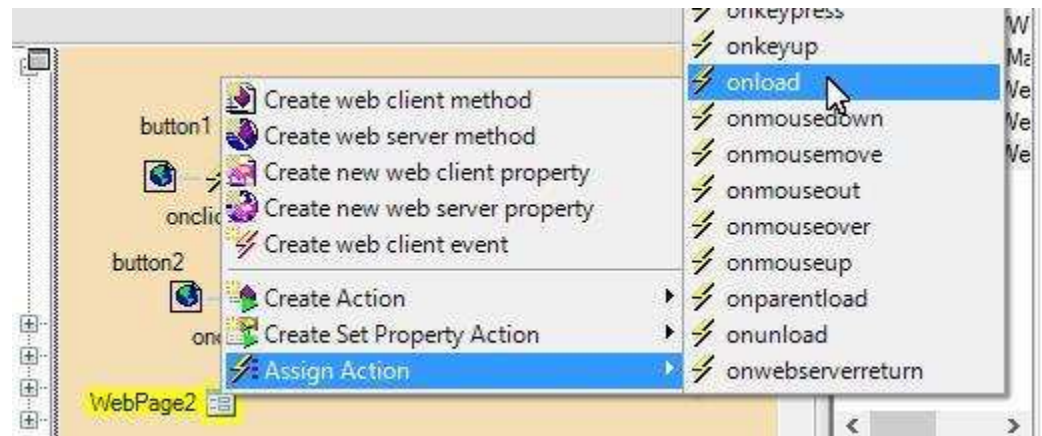Program another button:

Select MoveNext of EasyDataSet1:
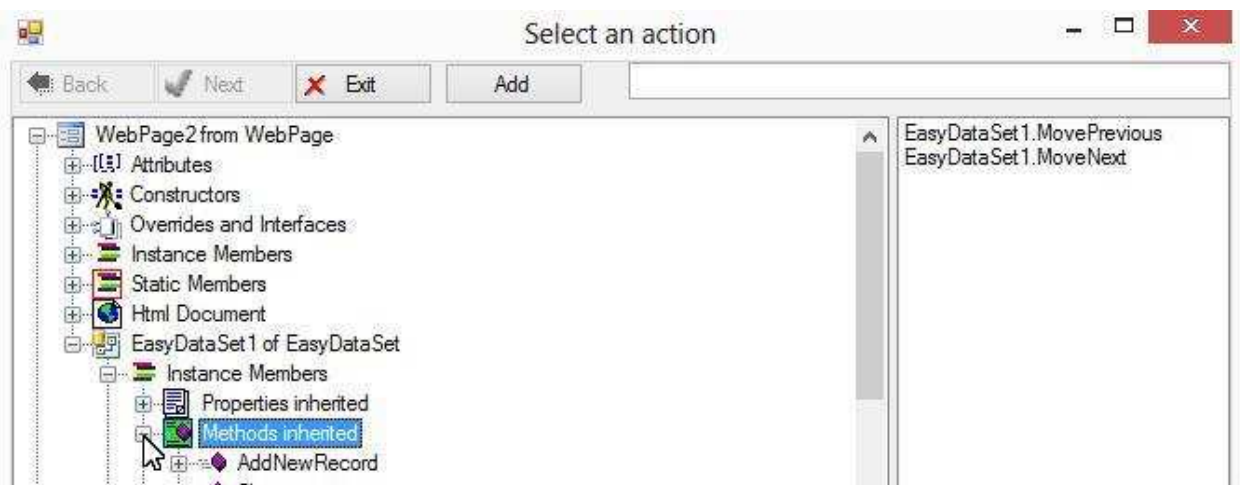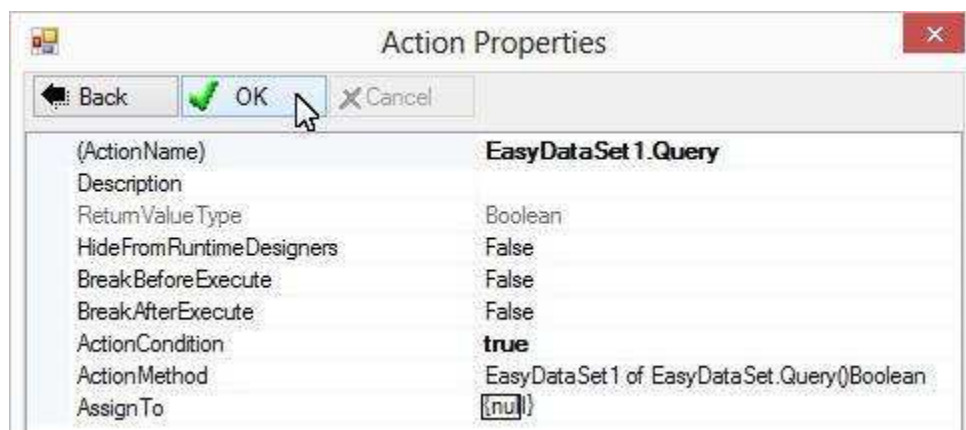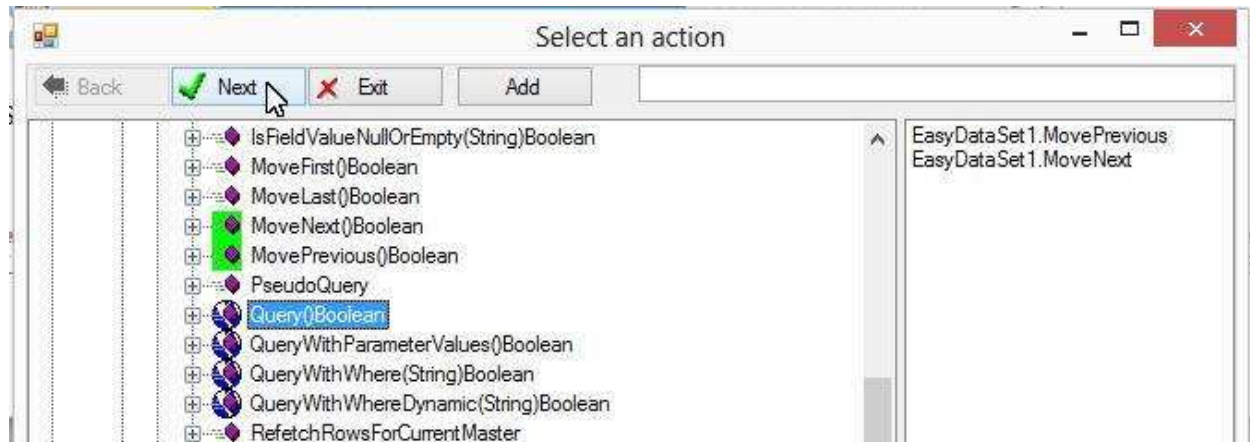
The action is created and assigned to the button:

Fetch data

EasyDataSet provides some query methods for fetching data from databases. For this sample, we may use a Query action to do that. We want to do that when the web page is loaded:
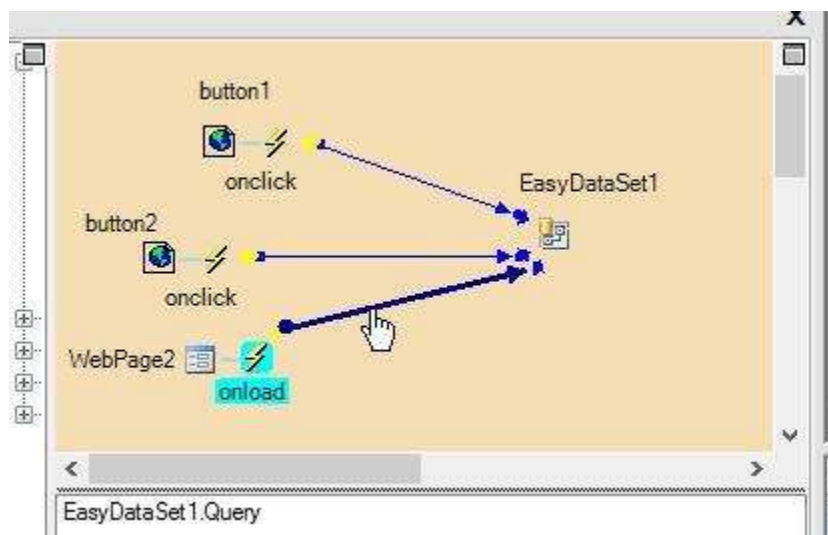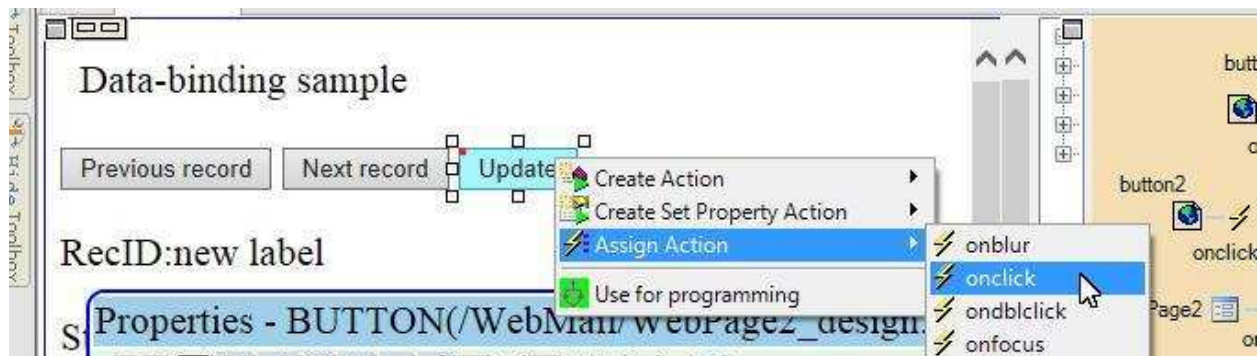

Select Query method of EasyDataSet1:
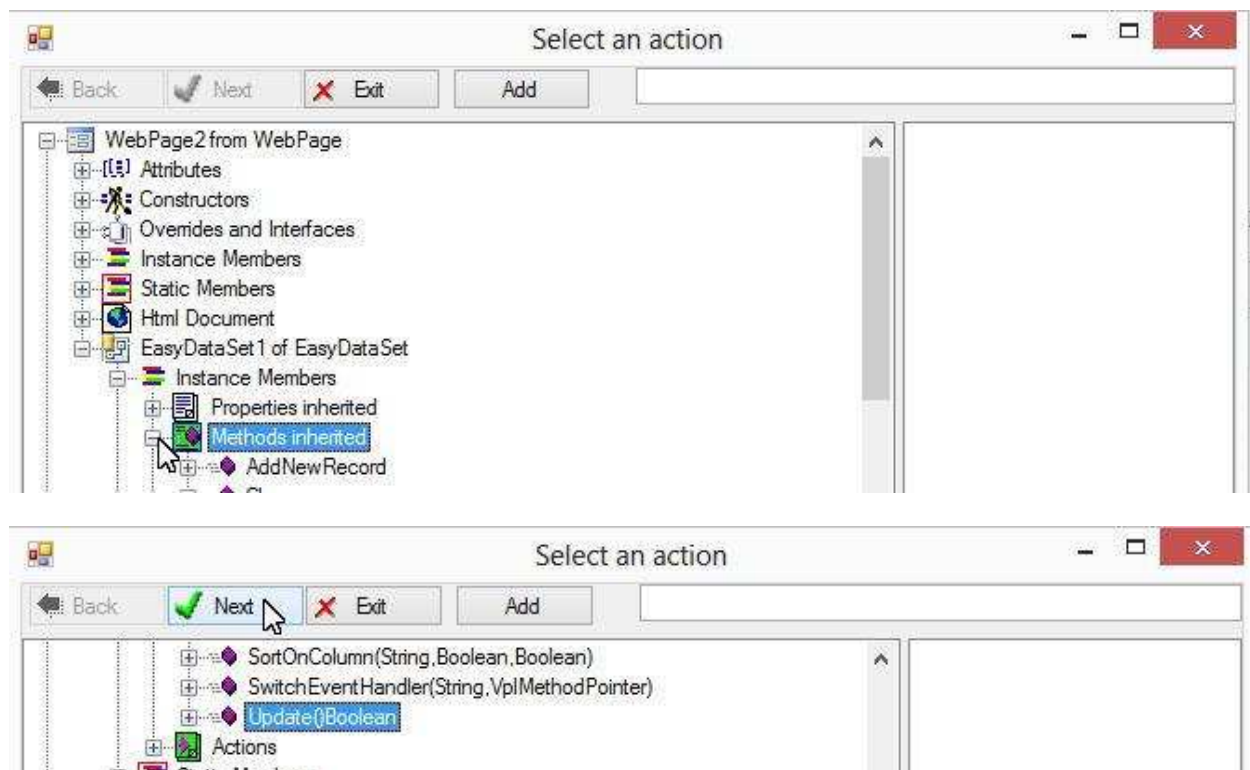
The action is created and assigned to the page:

Update database

The data-binding is a two-way data movement. The modifications by the web page visitor in text boxes and tables can be saved back to databases. You need to execute an Update action of an EasyDataSet to

move all user modifications on a web page t to the database on the server. Let's use a button to demonstrate this programming.
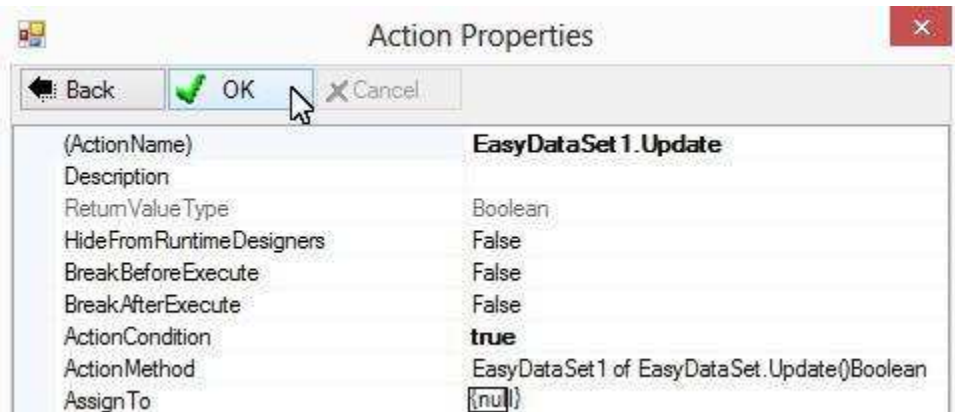

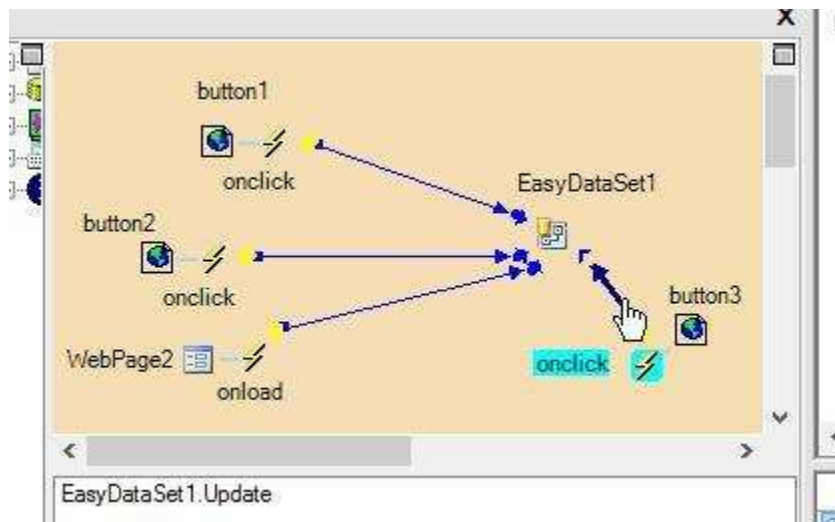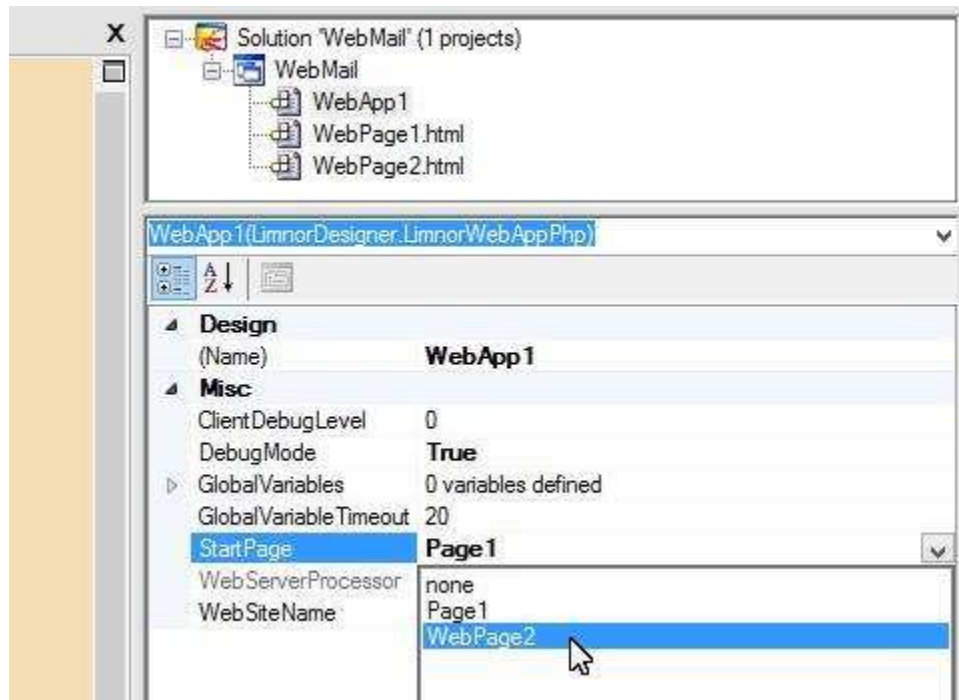Select the Update method of EasyDataSet1:

Click OK

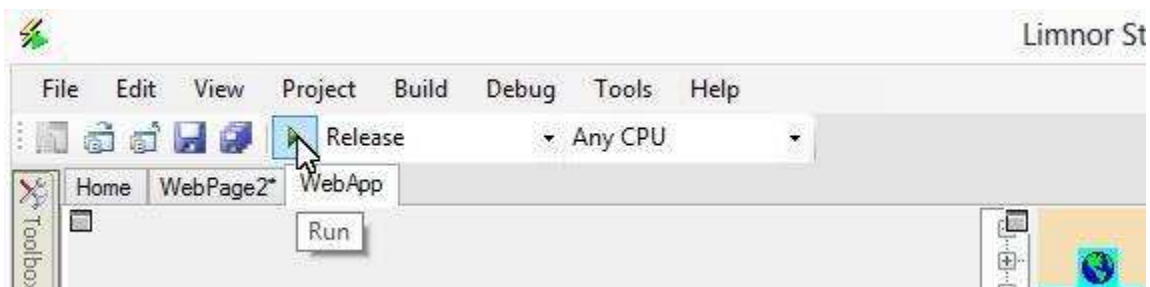The action is created and assigned to the button:

Test

Switch to the new web page for testing:

Start testing:

The web page appears in the default web browser. Data from the database are fetched and appear on the web page:

You may click on a row in the table to navigate to the row. You will see that data-bound elements will show the data from the row navigated:

You may also use the navigation buttons we programmed to navigate records:

Table Columns

Note that in the previous testing, the captions of the first two columns of the table are "column 1" and "column 2". This is because at the design time we did not modify the default table head. We may set table head at design time to the way we want. For example, set font, color, background color, etc. Set table head to empty so that it will use the captions from the database query.

Click the table head. Remove text. Select THEAD, THEAD represents the table head.

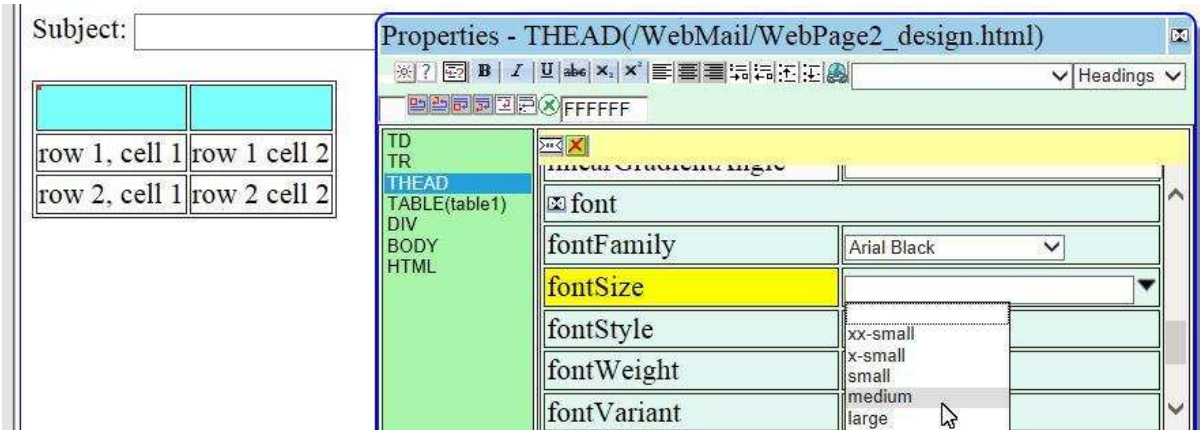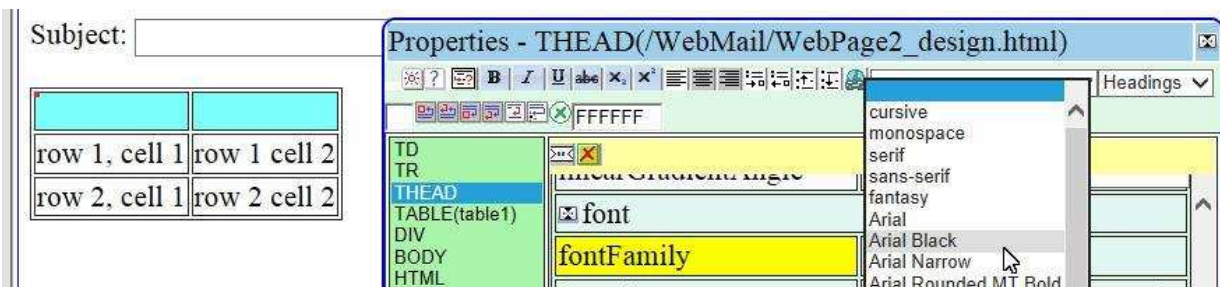For example, open group background to set attribute backgroundColor:

Open group font to set font related attributes:
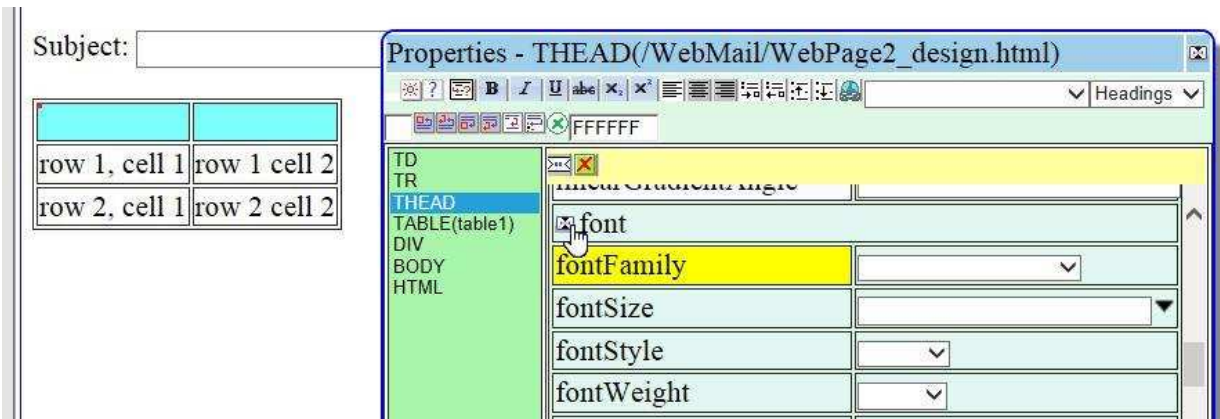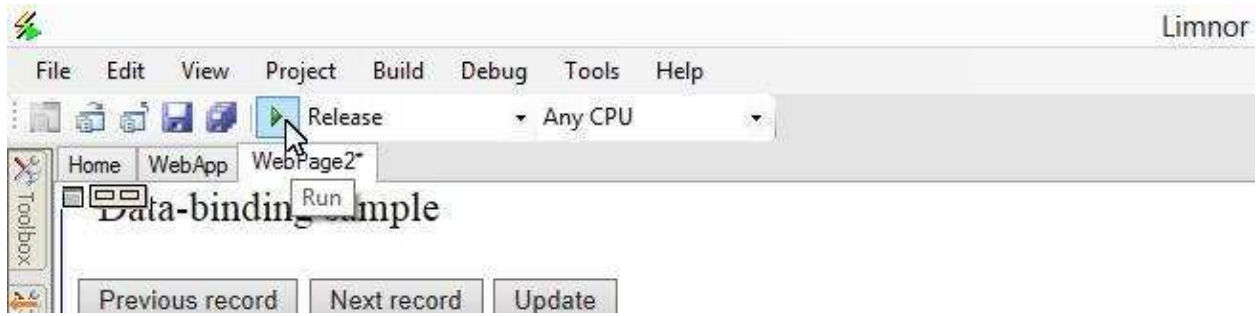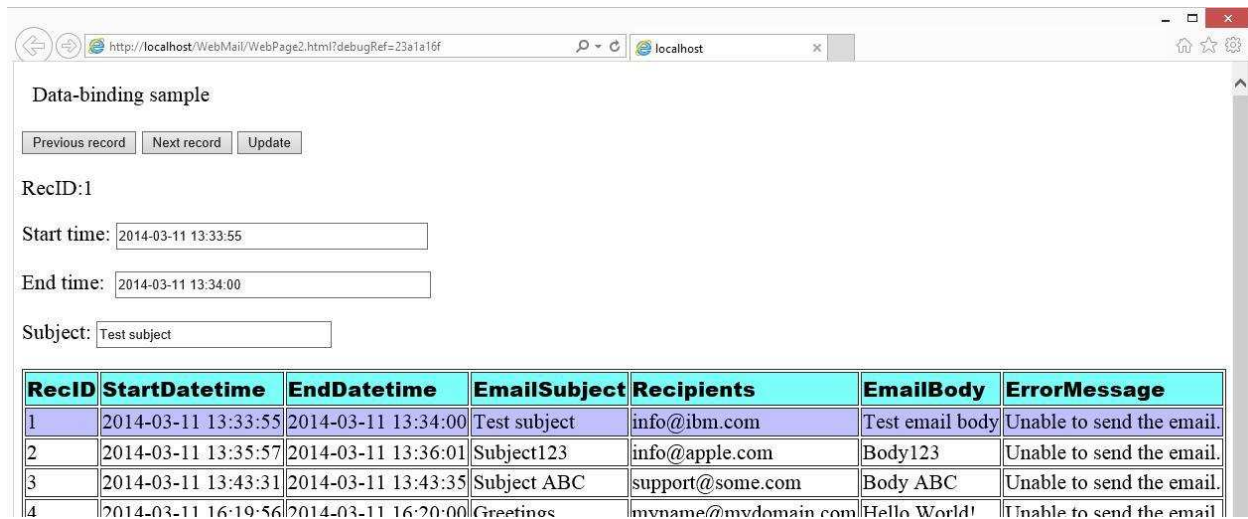

For example, set fontFamily and fontSize:

Test the web page again:

The web page appears. Note that the table head is displayed in the way we designed:

File Upload

See http://www.limnor.com/support/WebHtmlEditorProgramming4.pdf

Feedback

Please send your feedback and suggestions to support@limnor.com. Thanks!