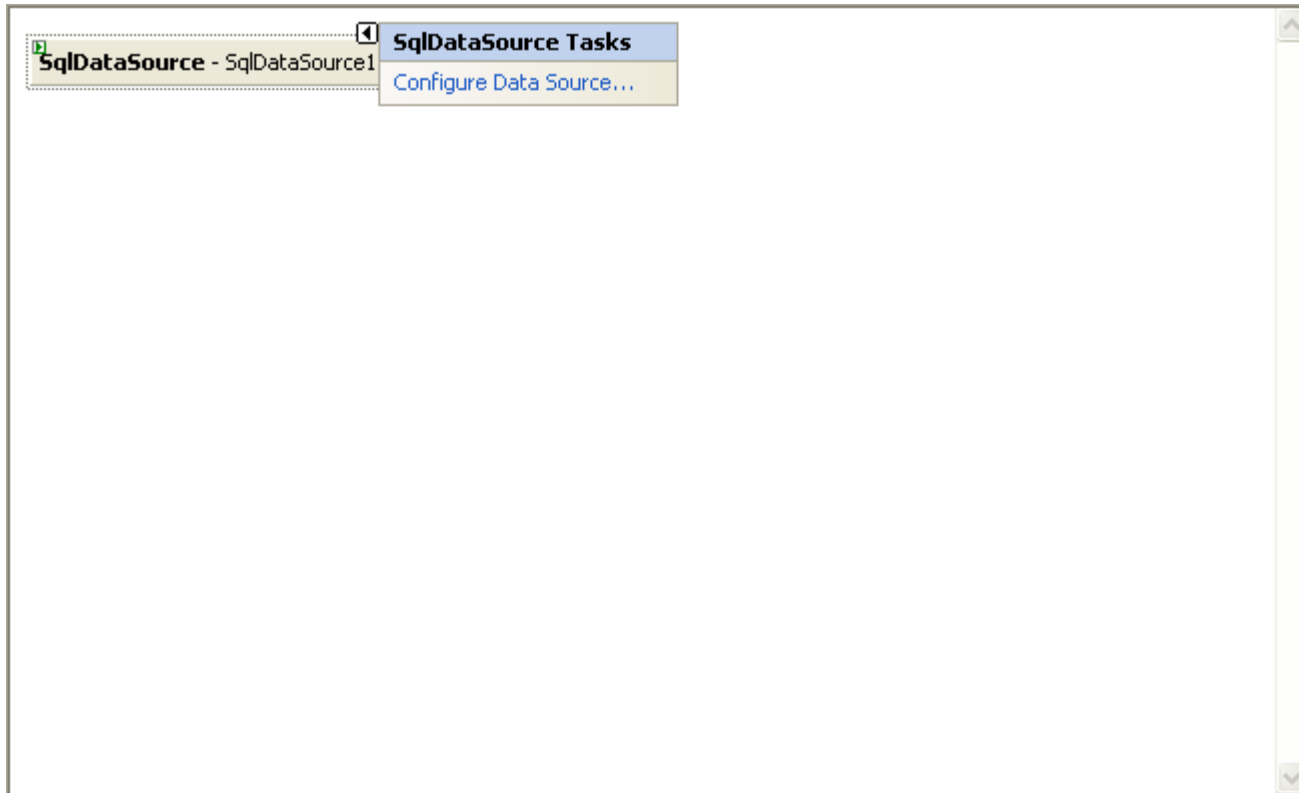


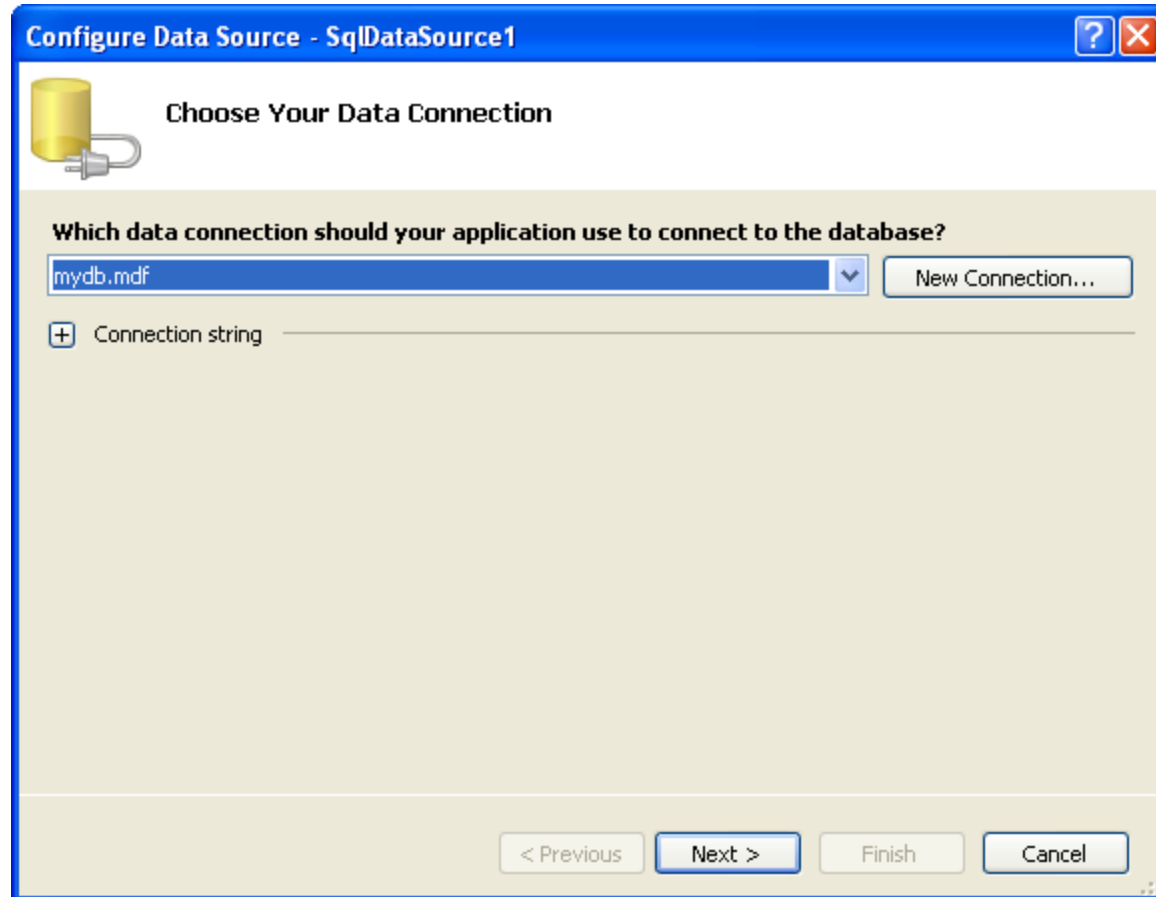
Accessing Databases

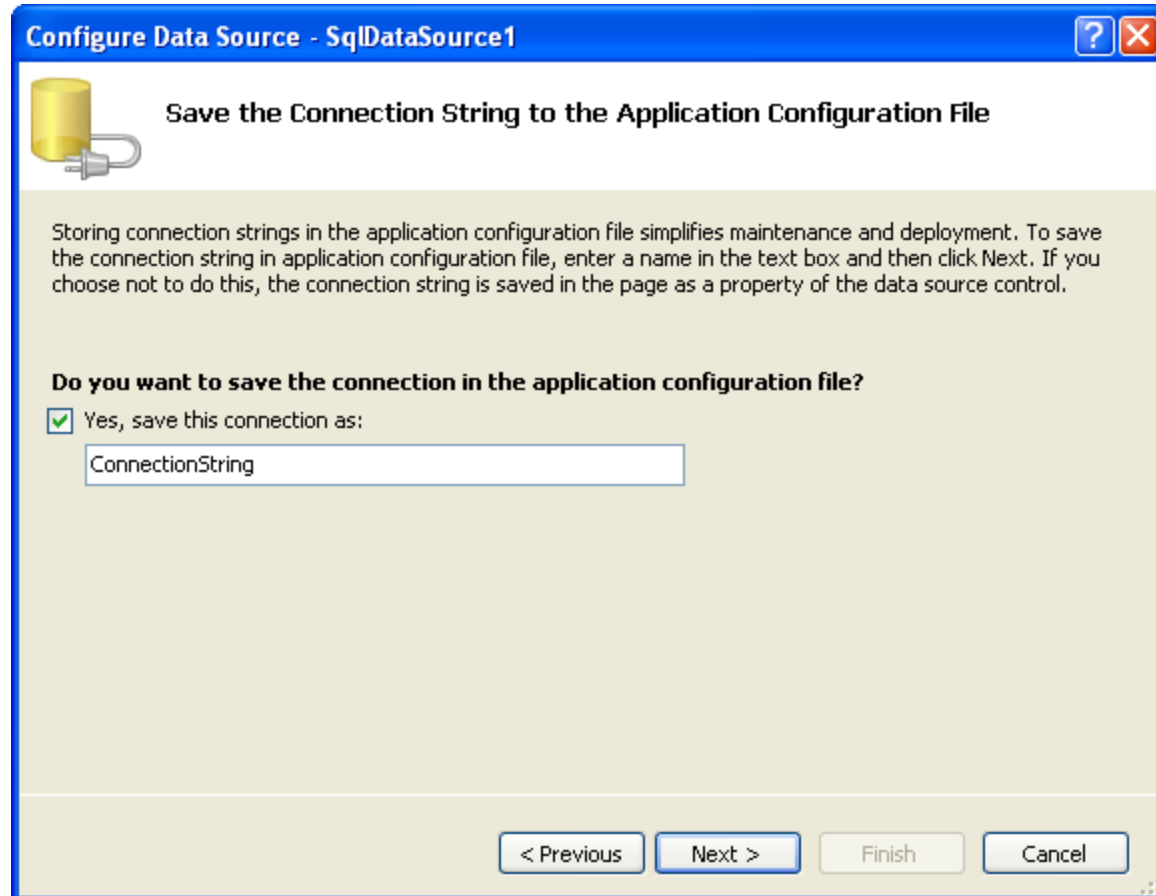
Continued

The Easy Way with ASP.NET

- New web controls make working with data much easier than programming ADO.NET directly.
- The SqlDataSource control is central.
- Drag one to the web form and configure the data source using the associated dialogs.







Configure Data Source - SqlDataSource1

Configure the Select Statement

How would you like to retrieve data from your database?

Specify a custom SQL statement or stored procedure

Specify columns from a table or view

Name: main

Columns:

<input type="checkbox"/> *
<input checked="" type="checkbox"/> name

Return only unique rows

WHERE...

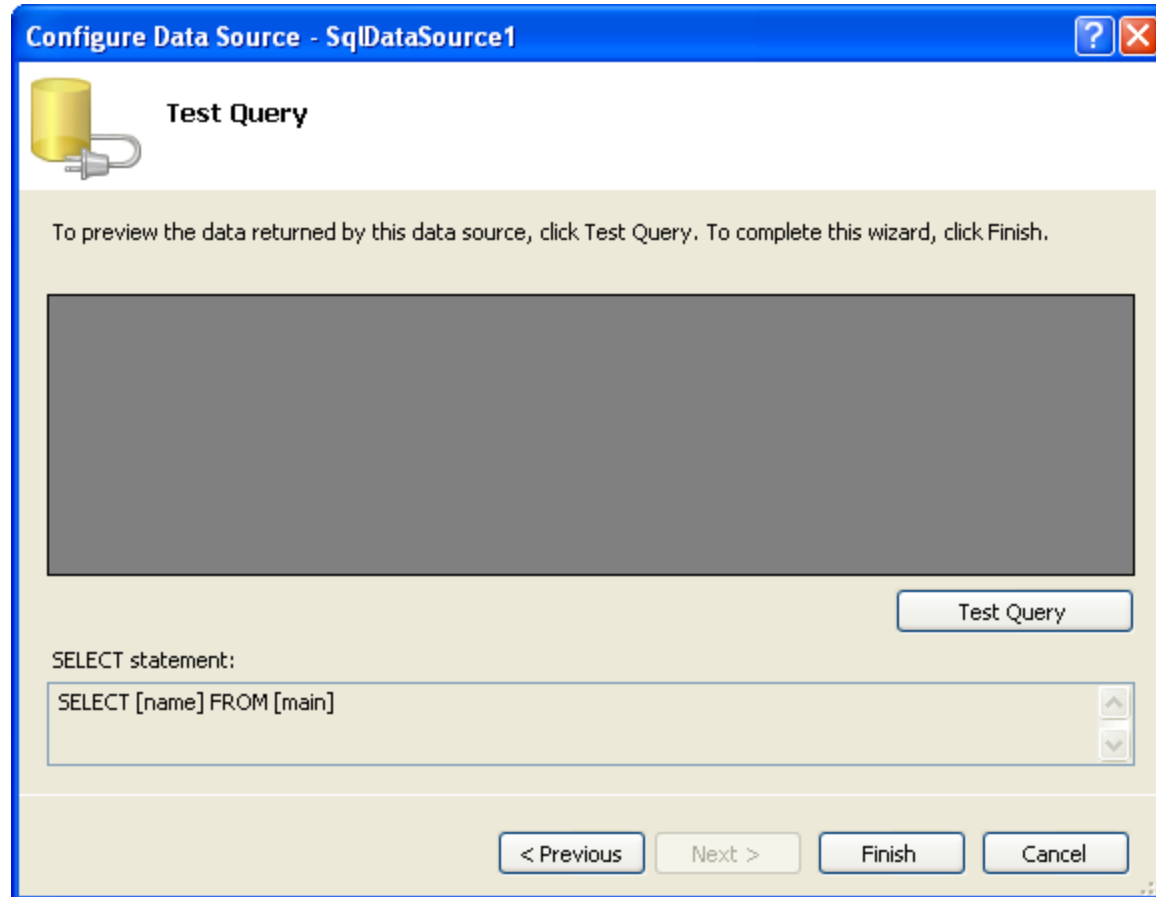
ORDER BY...

Advanced...

SELECT statement:

```
SELECT [name] FROM [main]
```

< Previous Next > Finish Cancel

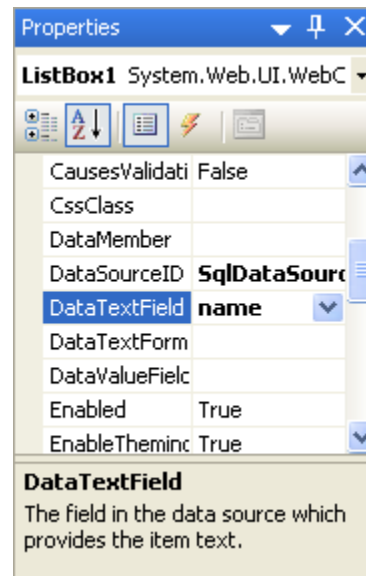


Binding Controls

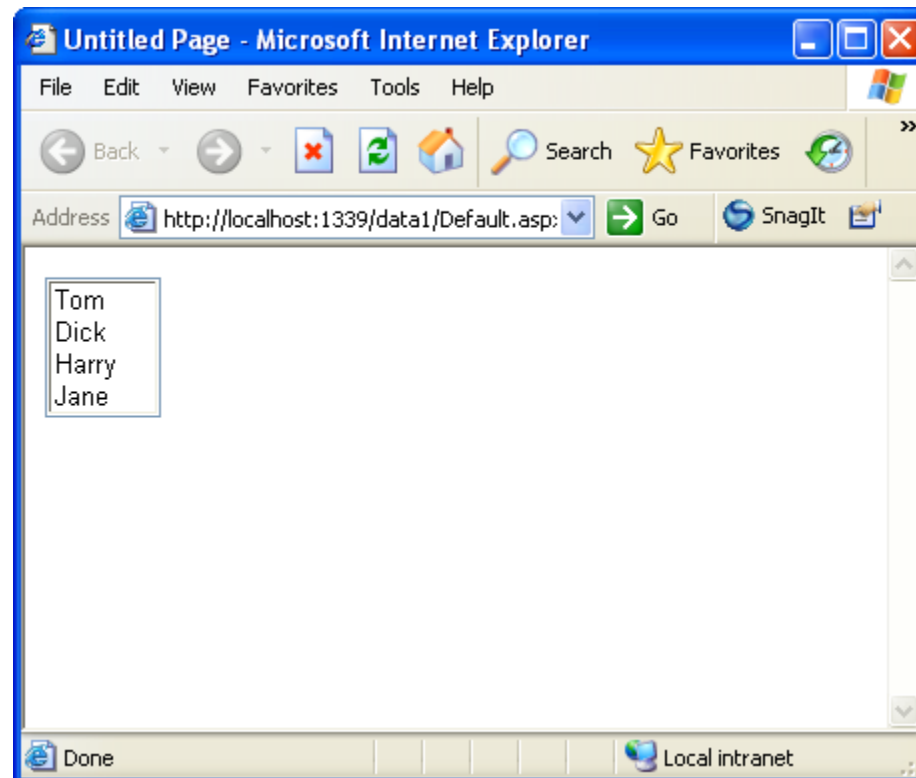
- Many controls can be bound to a data source object.
- Some special controls are specifically designed to display data effectively.
- Add a list box.



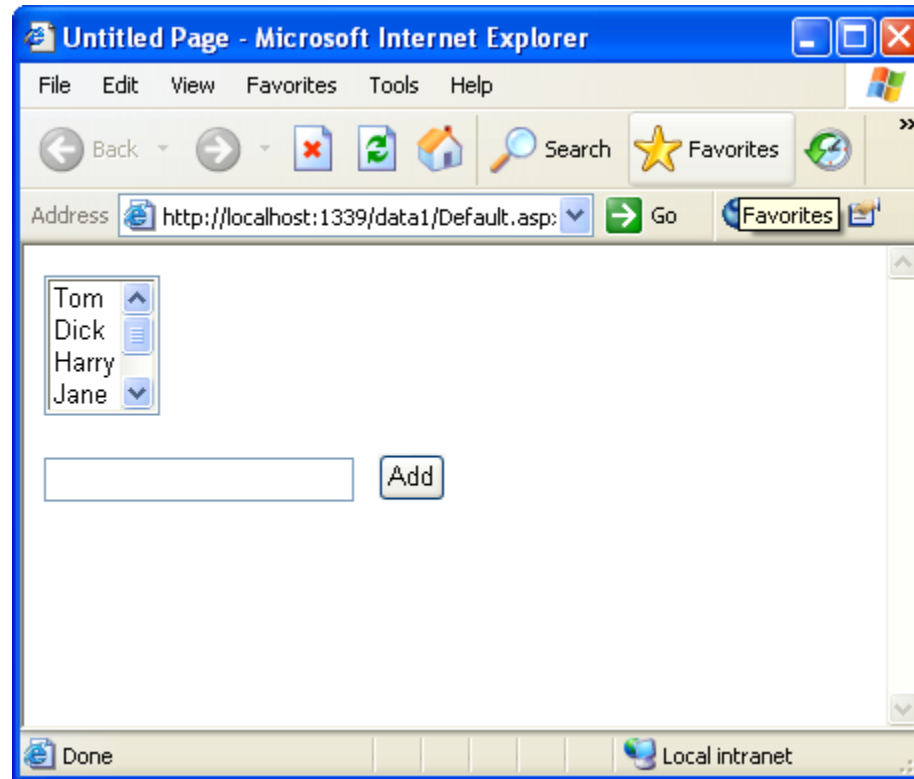
Set the Properties



The Output

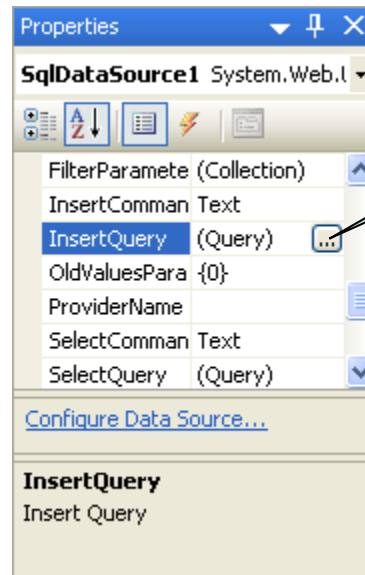


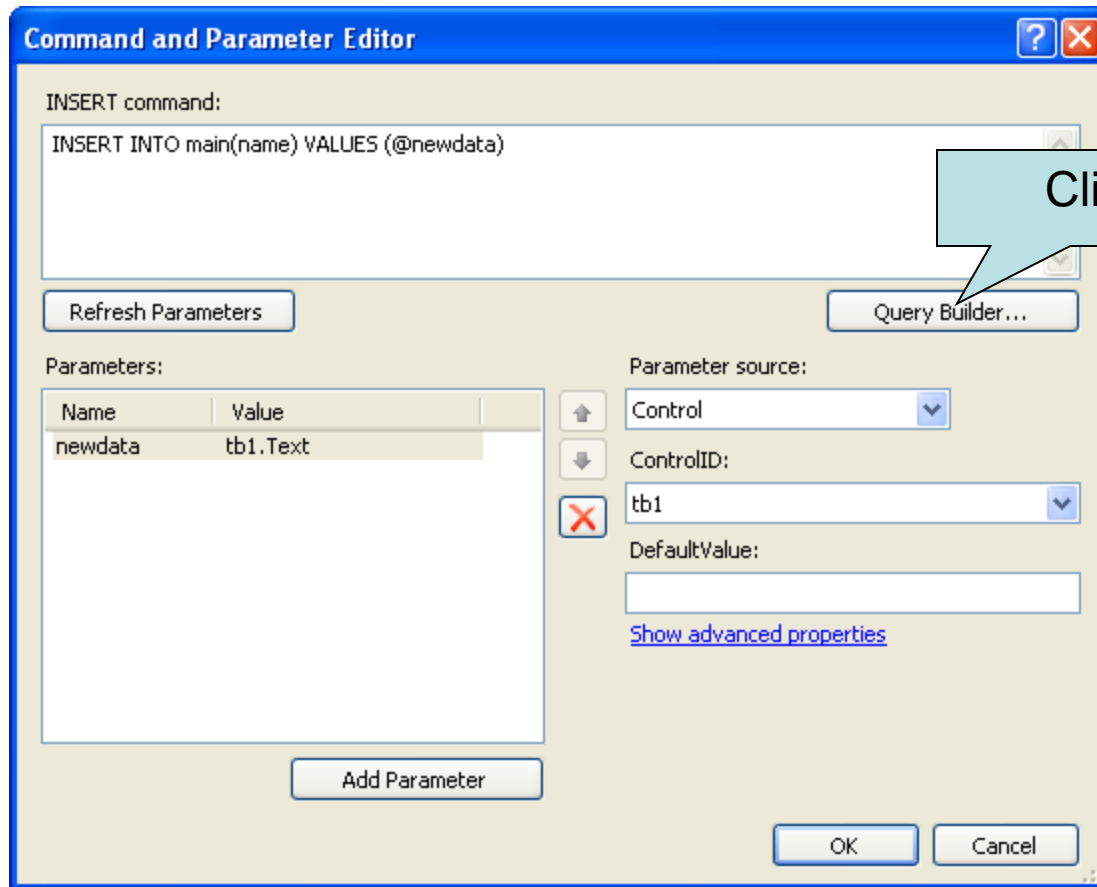
Adding an Item



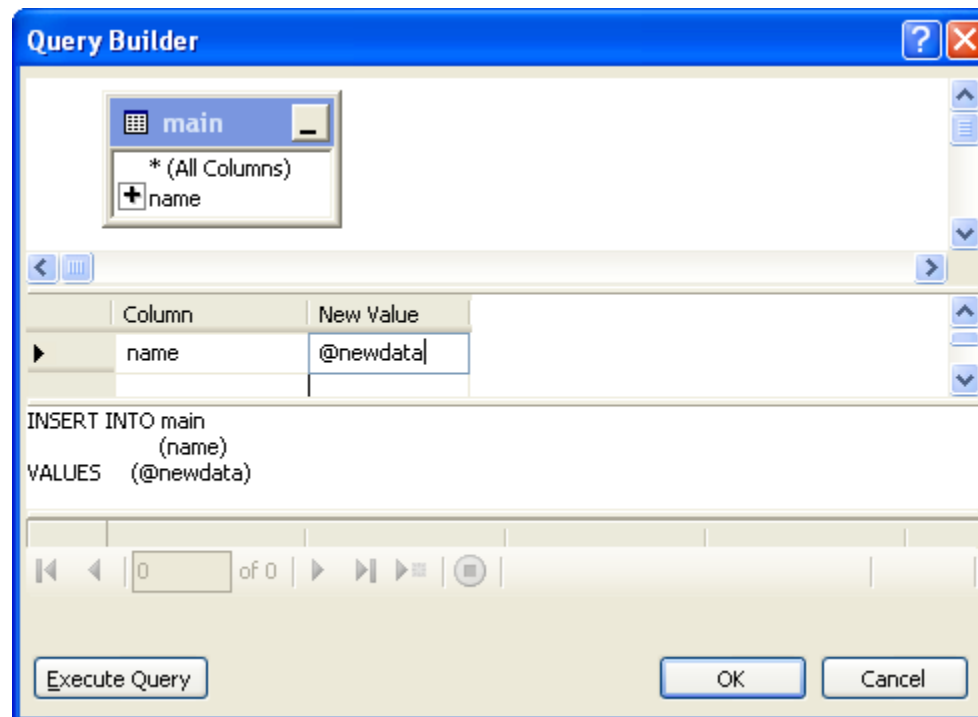
Open the InsertQuery for the Data Source

data1

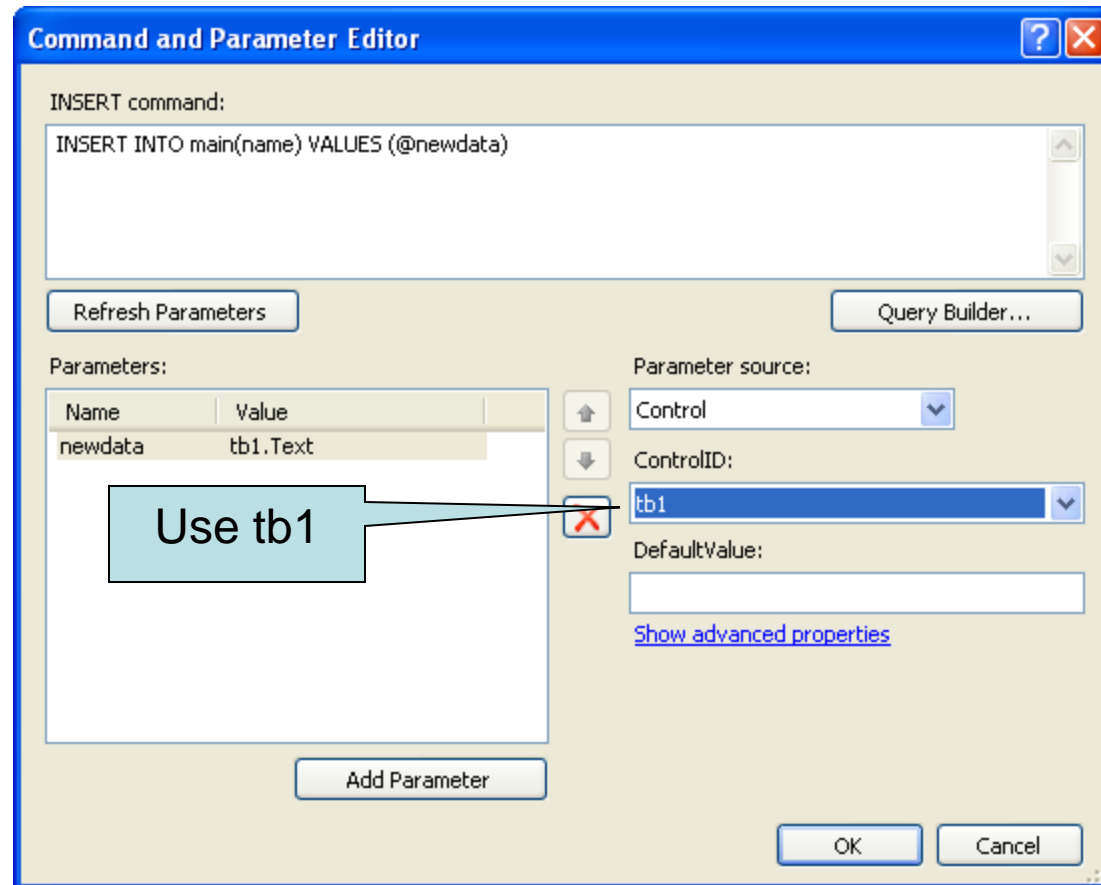




Add an Insert with Parameter



Bind the Parameter



The Button Event Handler

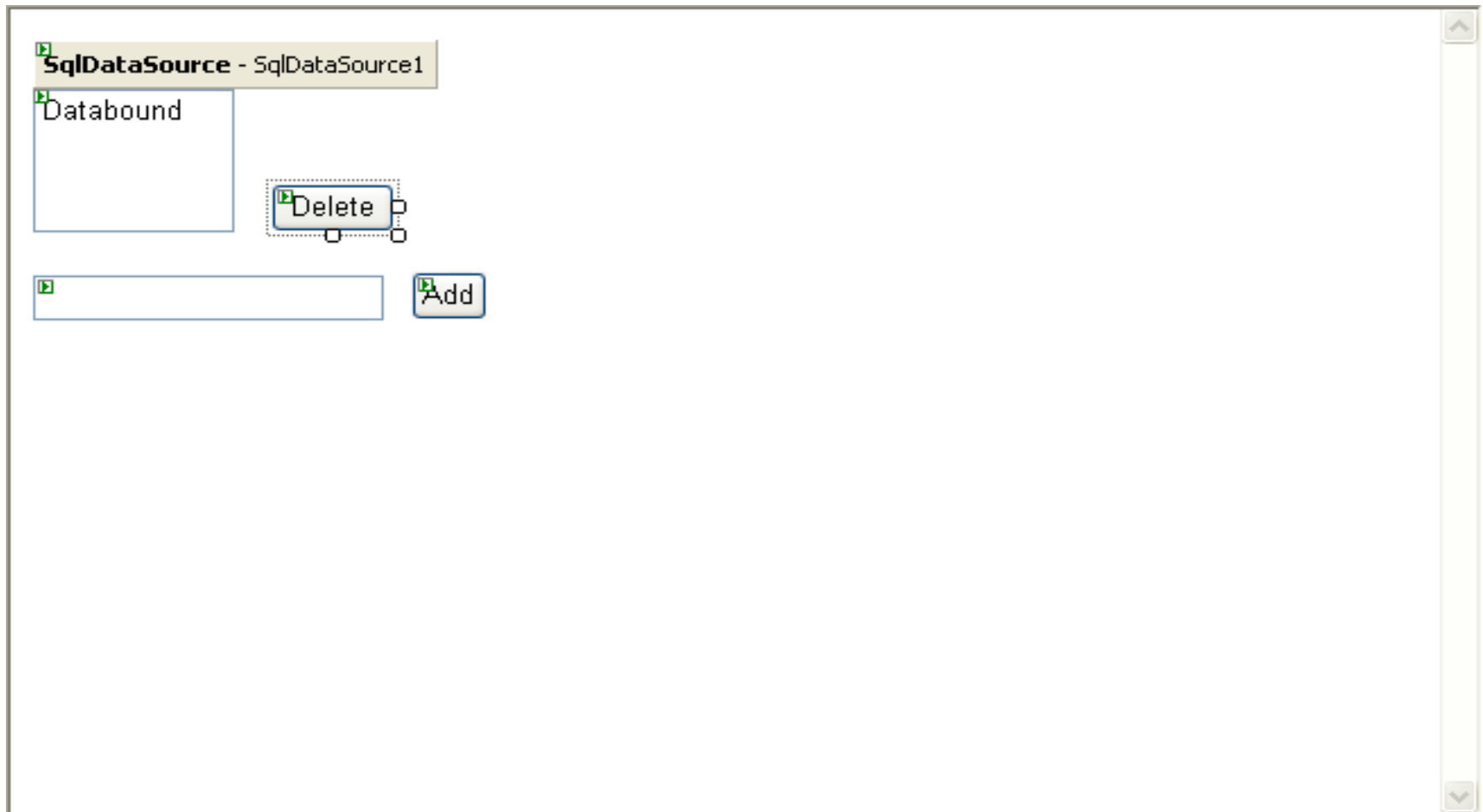
```
using System;
using System.Data;
using System.Configuration;
using System.Web;
using System.Web.Security;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Web.UI.WebControls.WebParts;
using System.Web.UI.HtmlControls;

public partial class _Default : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

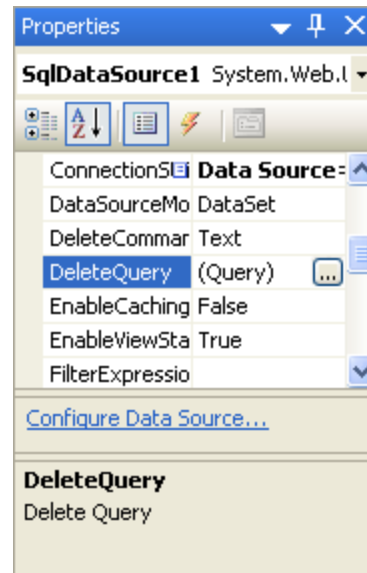
    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        if (tb1.Text != "") SqlDataSource1.Insert();
    }
}
```

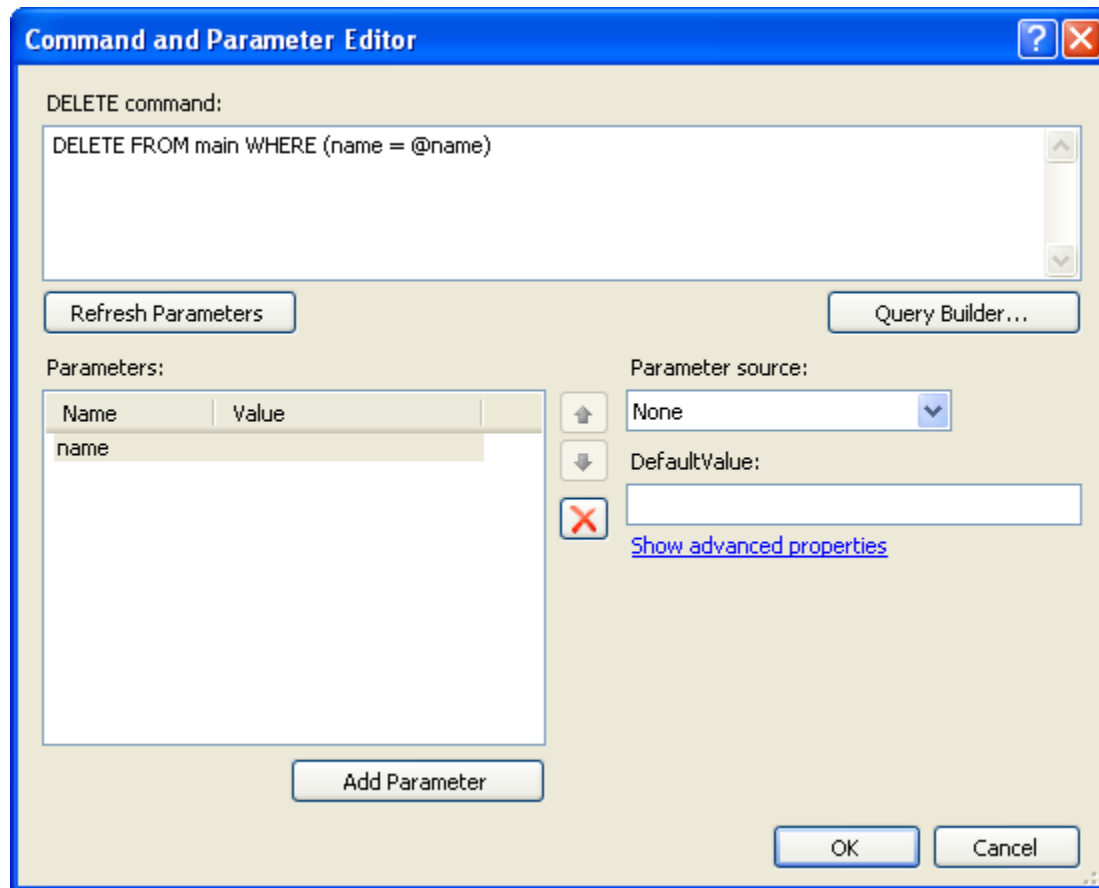
Add a Delete Button

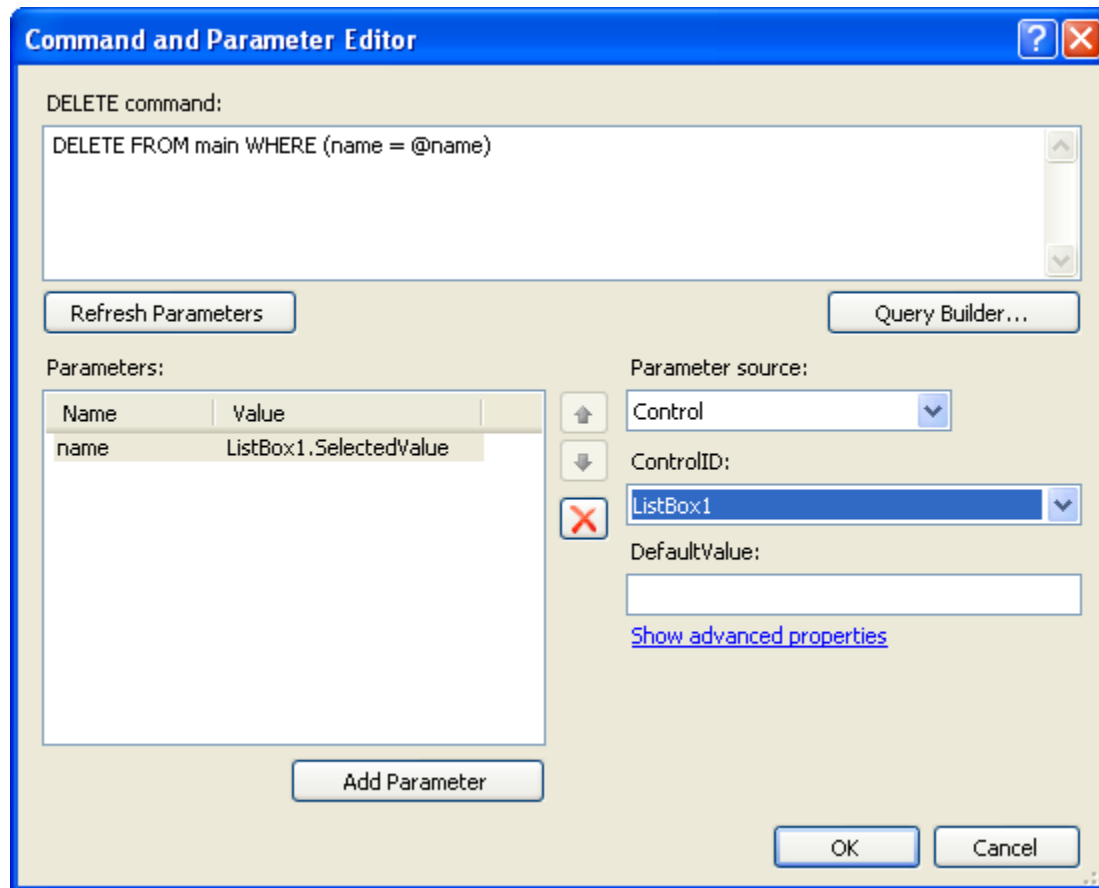
data2



Add Delete Query







The Button Handler

```
protected void Button1_Click(object sender,
    EventArgs e)
{
    if (tb1.Text != "") SqlDataSource1.Insert();
}
protected void Delete_Click(object sender,
    EventArgs e)
{
    if (ListBox1.SelectedItem != null)
        SqlDataSource1.Delete();
}
```

Using a DataView

- You can use a DataView object to get a table from the select query of an SQL data source control.
- You can't use this class to modify the table.
- It is useful to obtain data that is not bound to a control.
- Here is an example:

```
DataView dv =  
(DataView)SqlDataSource1.Select(DataSourceSelectArguments.Empty);  
    if (dv == null)  
        {  
            //handle error  
        }  
  
    //The select query has returned the desired row  
    DataRow row = dv.Table.Rows[0];  
    string s = (string)row["name"];  
    //obtain data from other columns  
  
    namebox.Text = s; //display the name  
    //display or use data from other columns
```