# Lab 10 –Making Database Connection in ASP.NET Website

Make a new website:
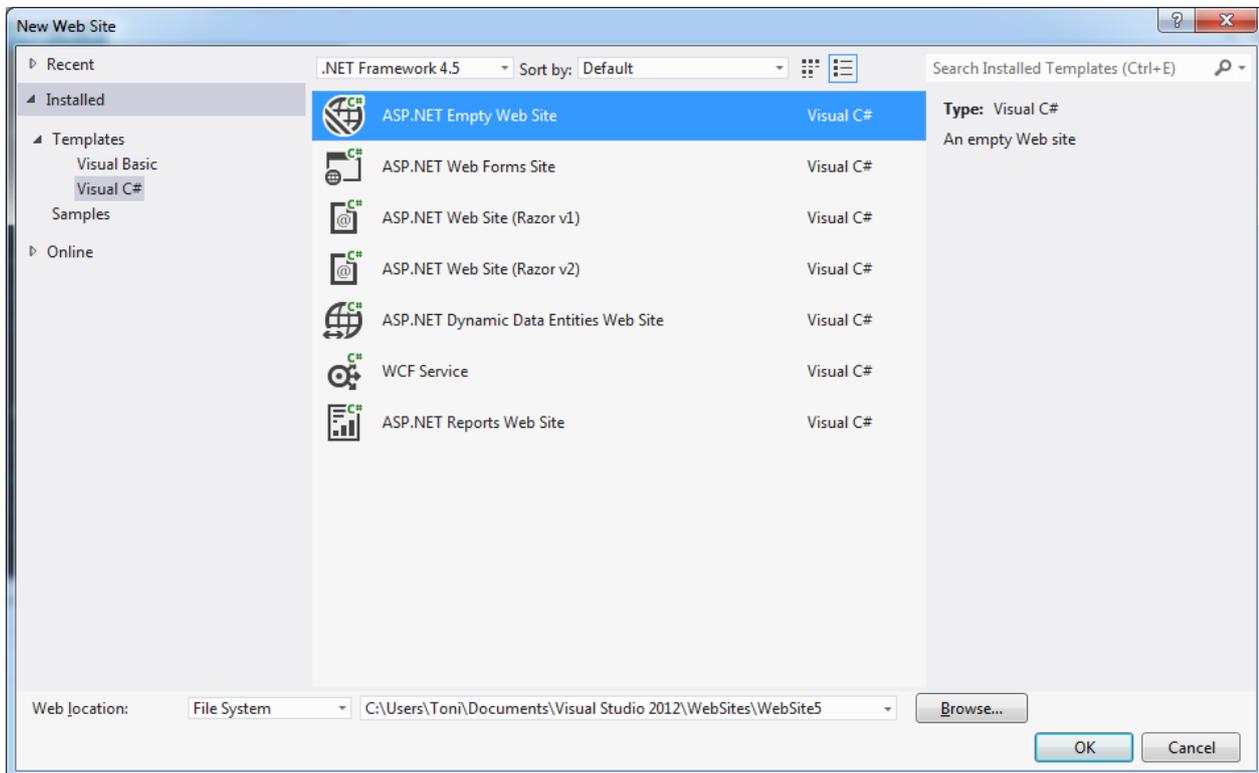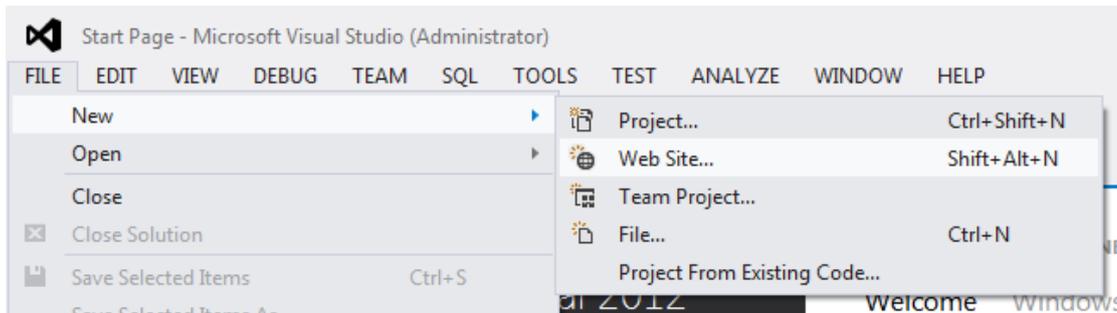

**Inside the website add a Database**
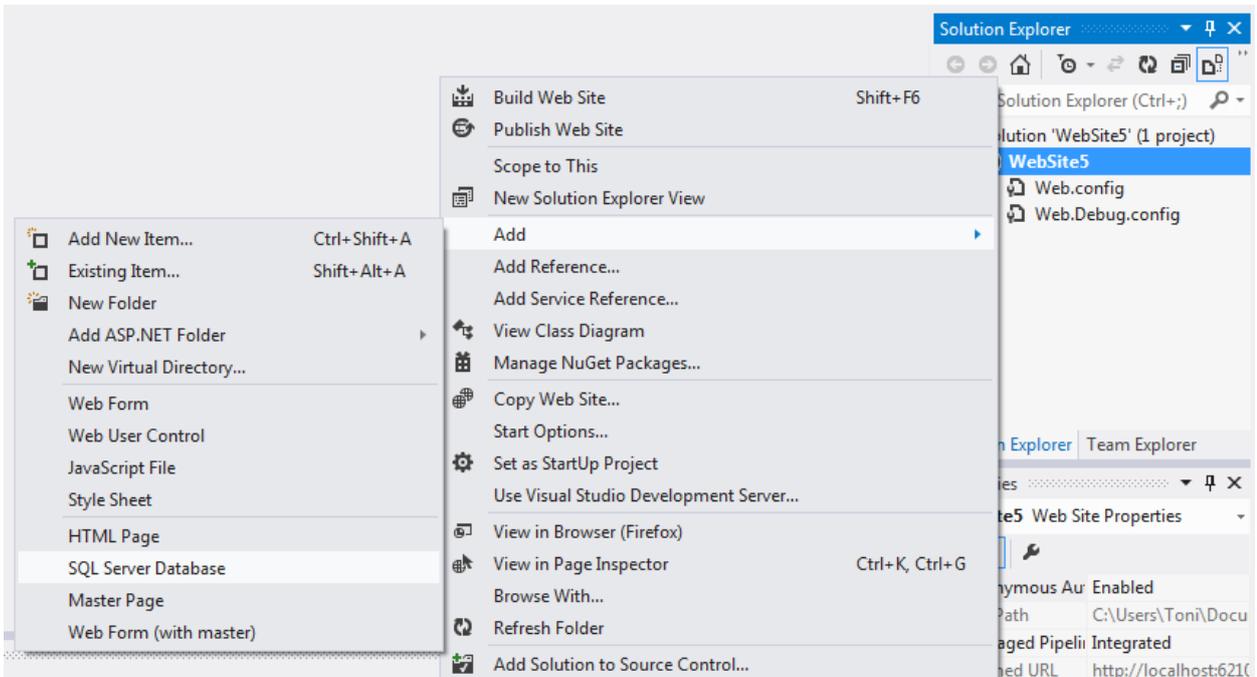
If you don't see "SQL Server Database" option, then Choose "Add New Item" and find it there!

Give name "myDatabase" to the new DB
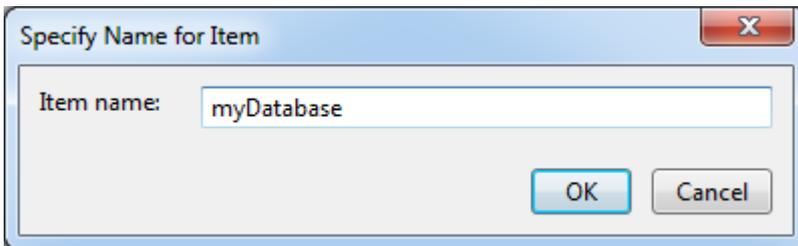

Click YES:
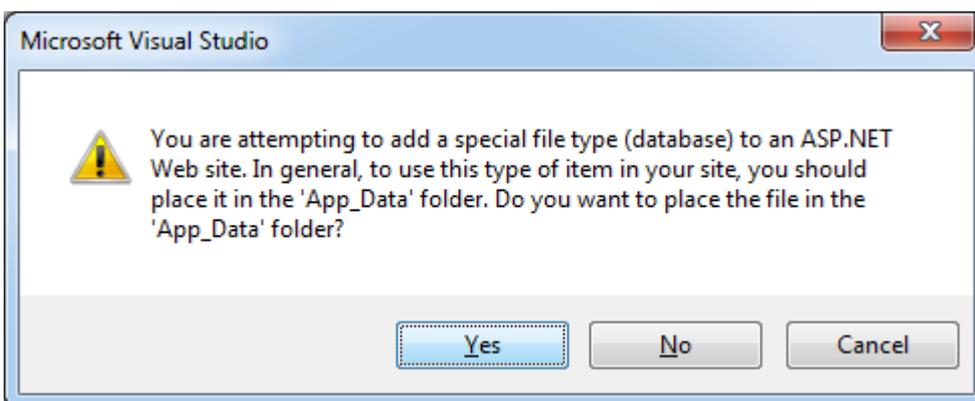
Design a table

In the Server Explorer right-click the mouse on the "Tables" line. Choose the option to Add new table.
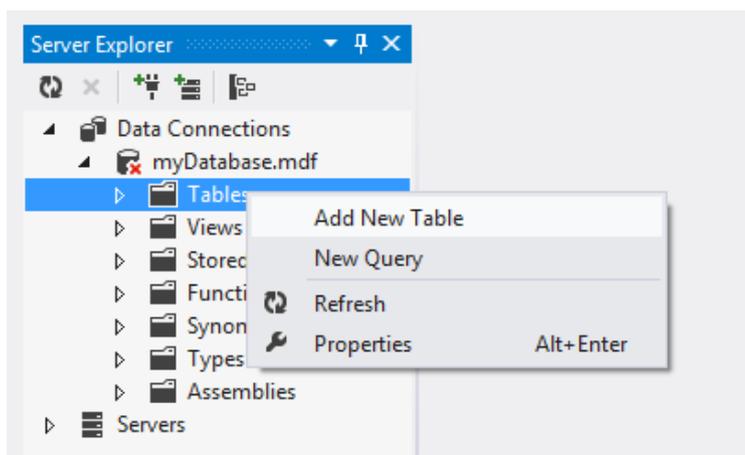

In the window that opens write the names and types of the columns of the table. Change the name "Users", and the IDENTITY of the Id column.
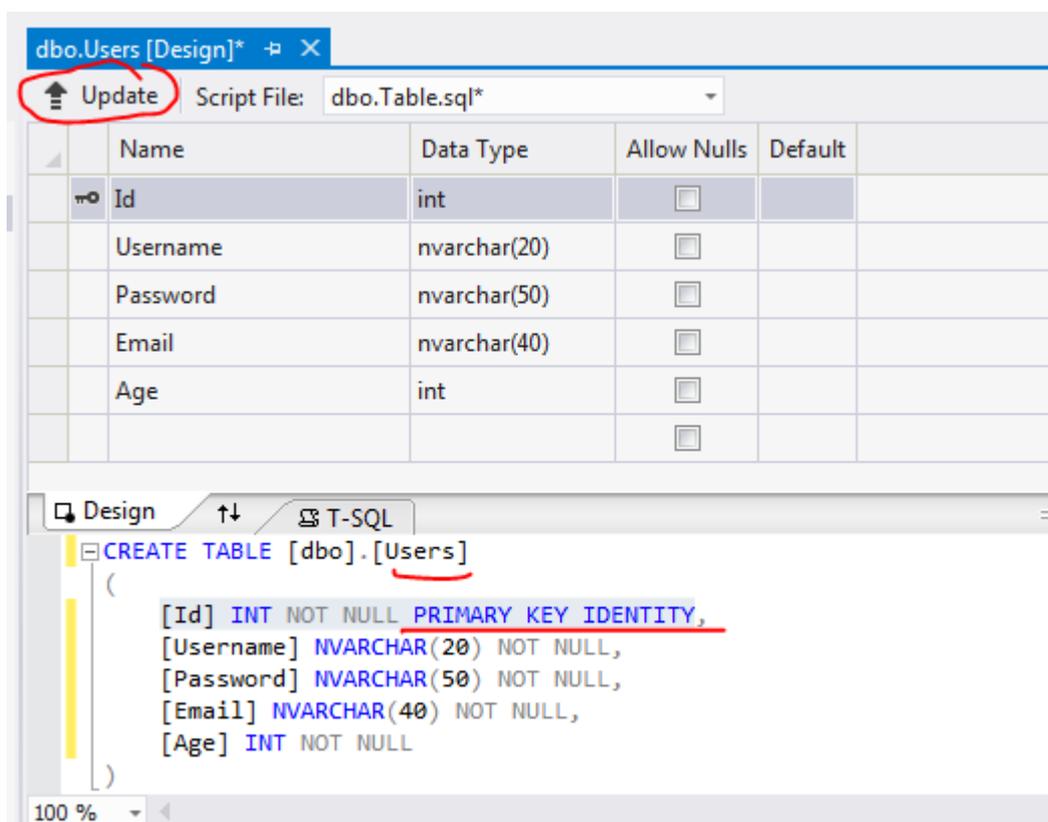

Finally click Update to create the table.

Create one table

In the window choose "Update Database" button:
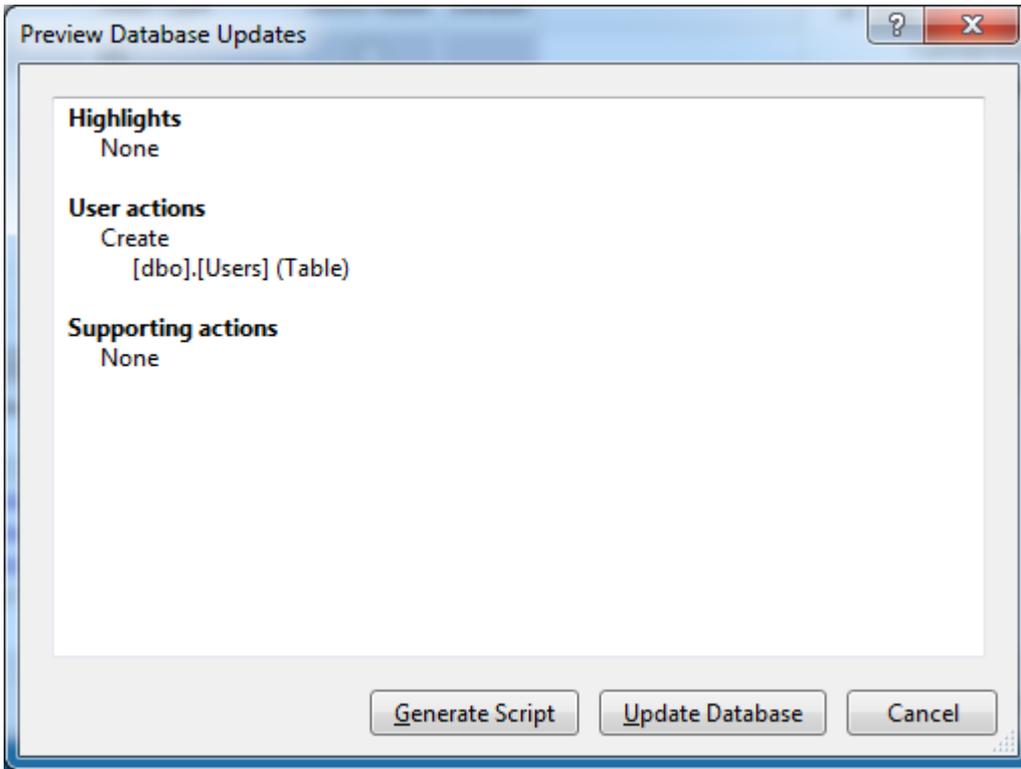
Add Data to the table
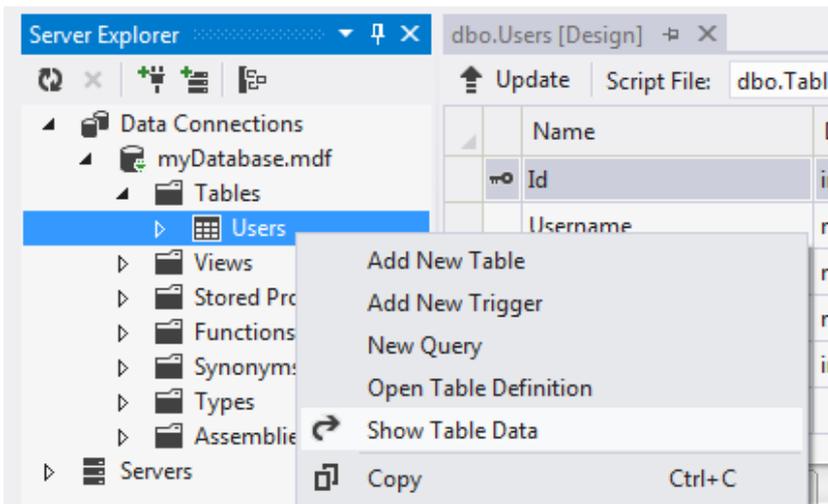
In the new window write in the columns some information:

Adding page in the website
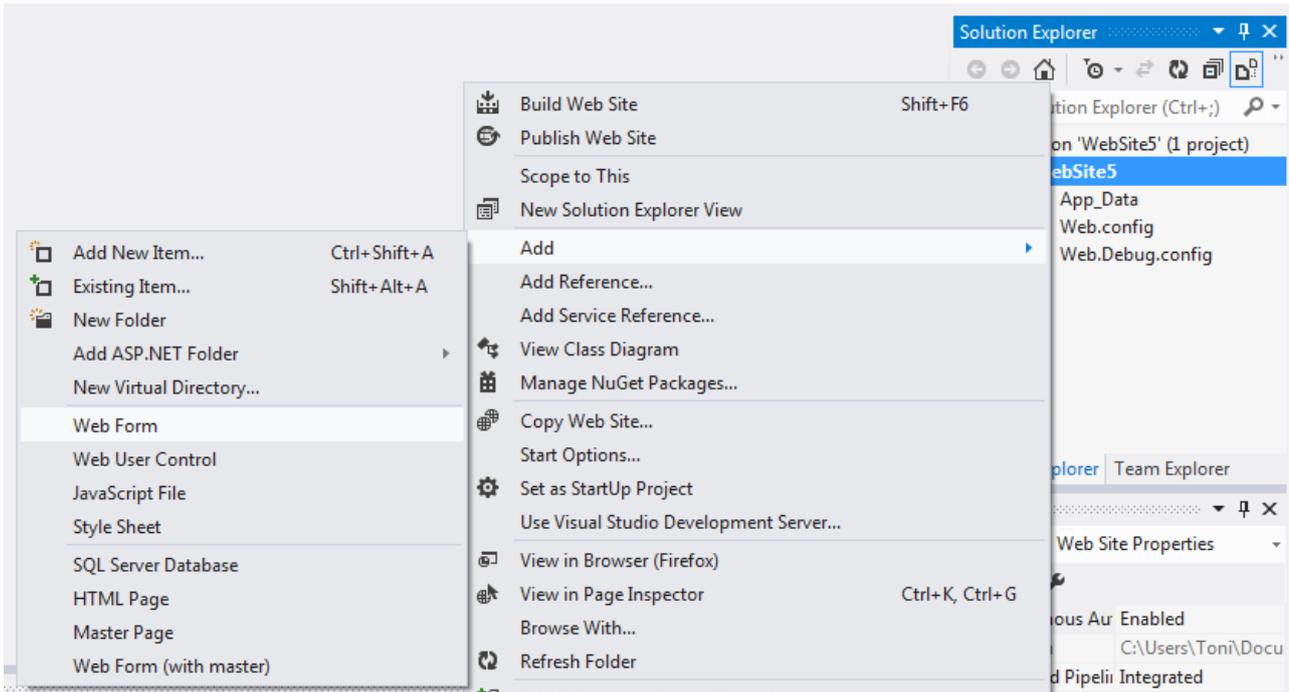
Leave the name "Default" and click OK.

Switch to design view. Then drag & drop a **SqlDataSource** control from the Toolbox.
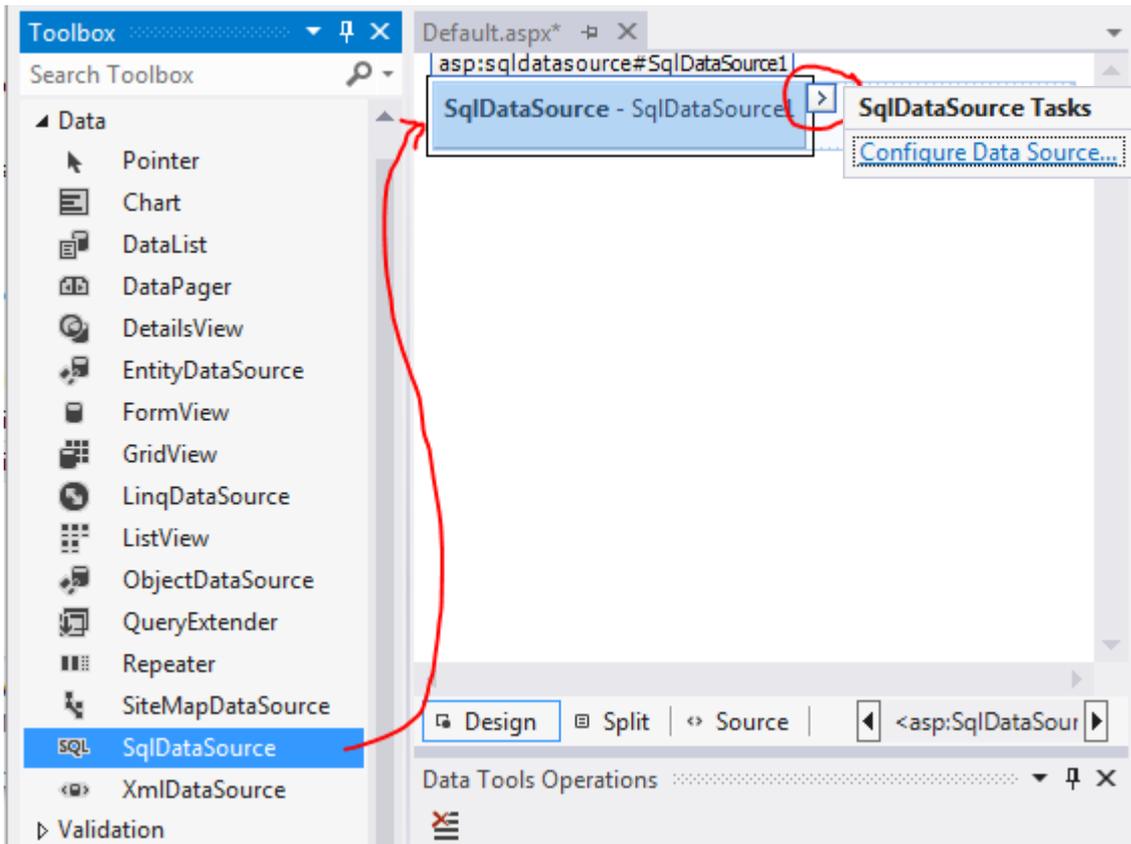
Push the arrow to open the configuration wizard.

From the drop-down menu choose your database file.
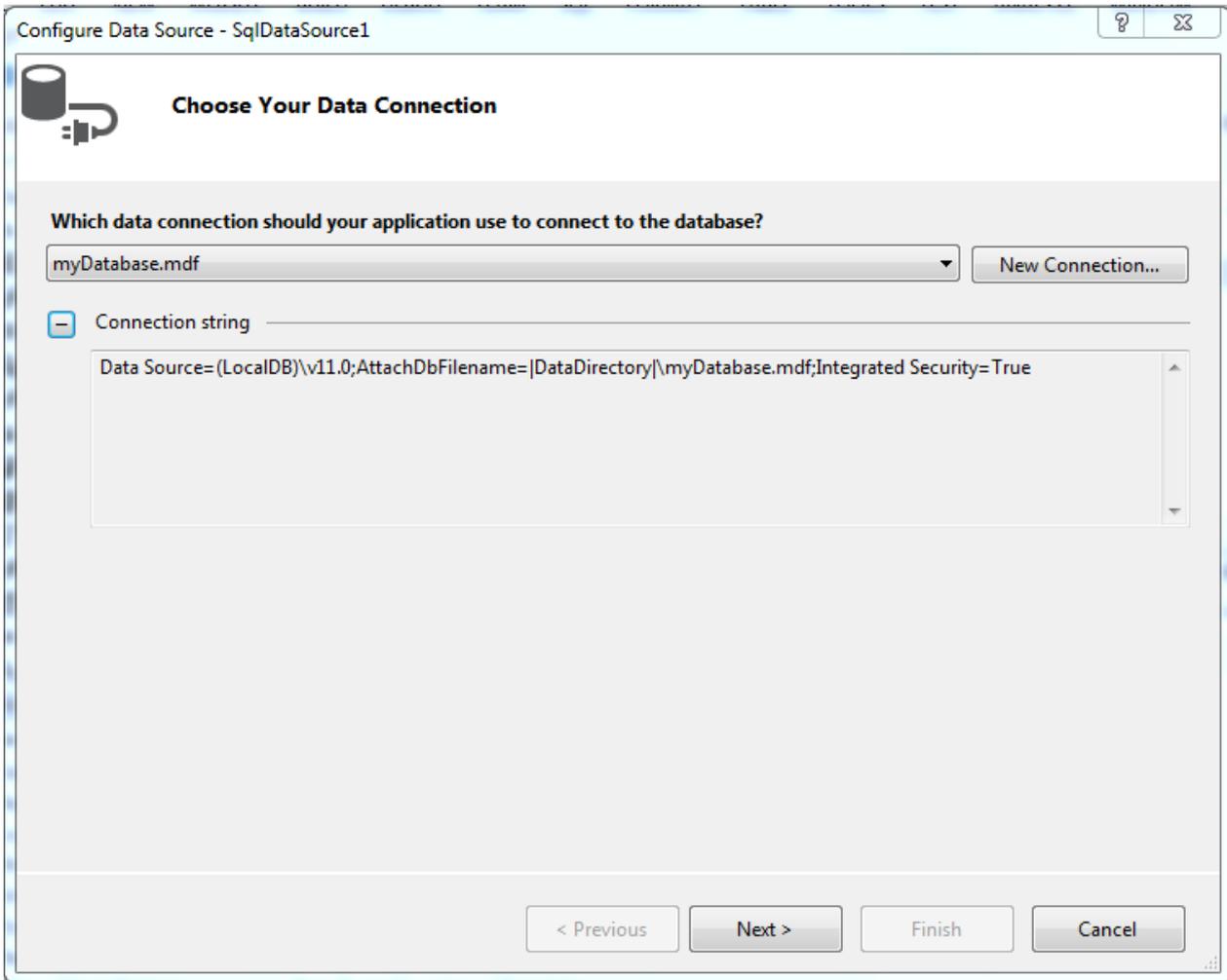
Click Next.

Change the name of the connection string to myConnectionString.
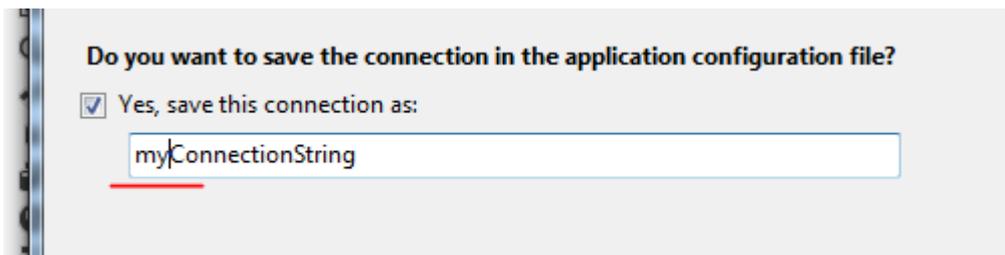
Click Next.
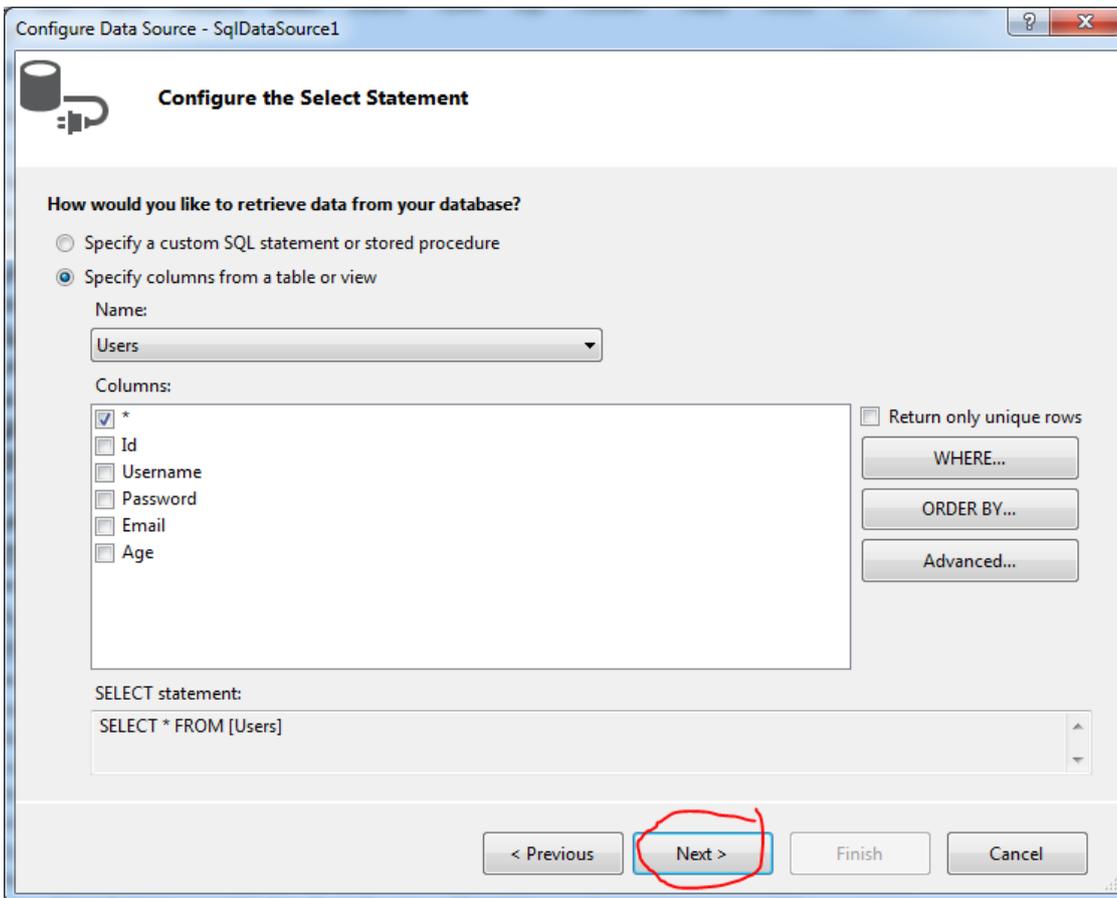
Click Next.

Test the query and if you see the list of the users click "Finish"
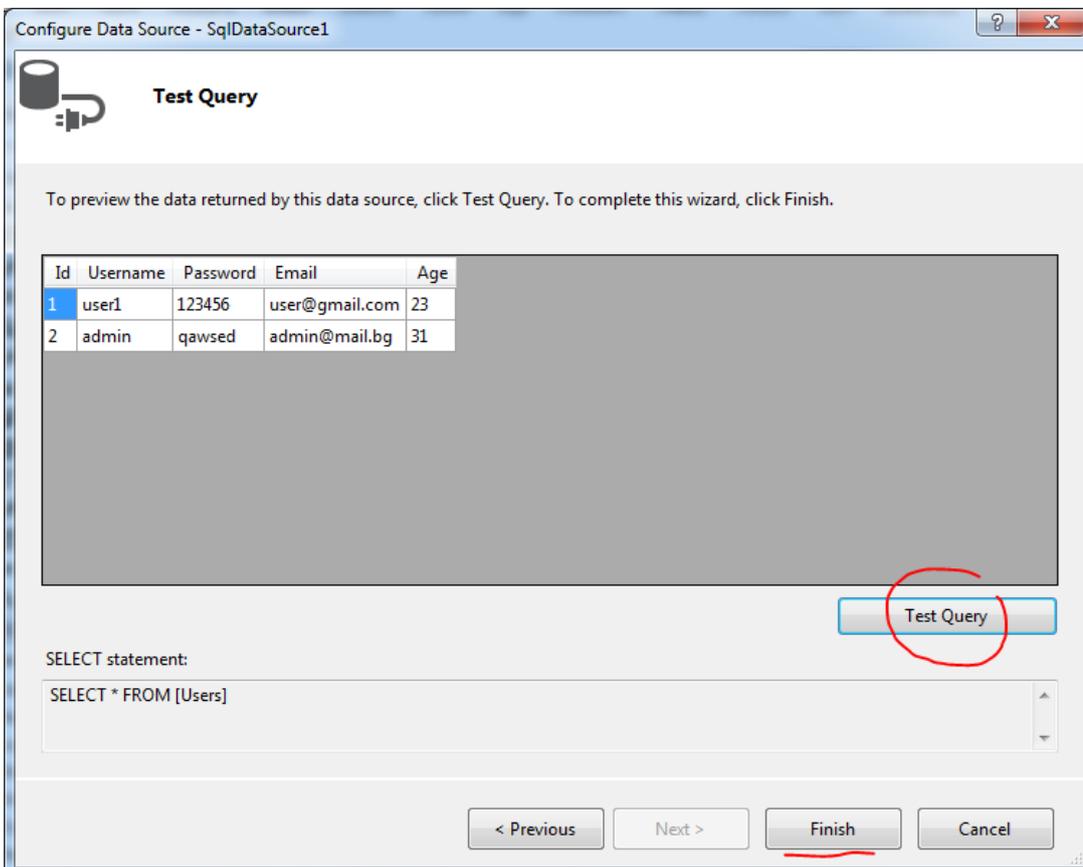
Since we configured the database connection, we need a table to show the data from the database. We will use a control, named **GridView**. Add one to the page by drag & drop from the Toolbox.
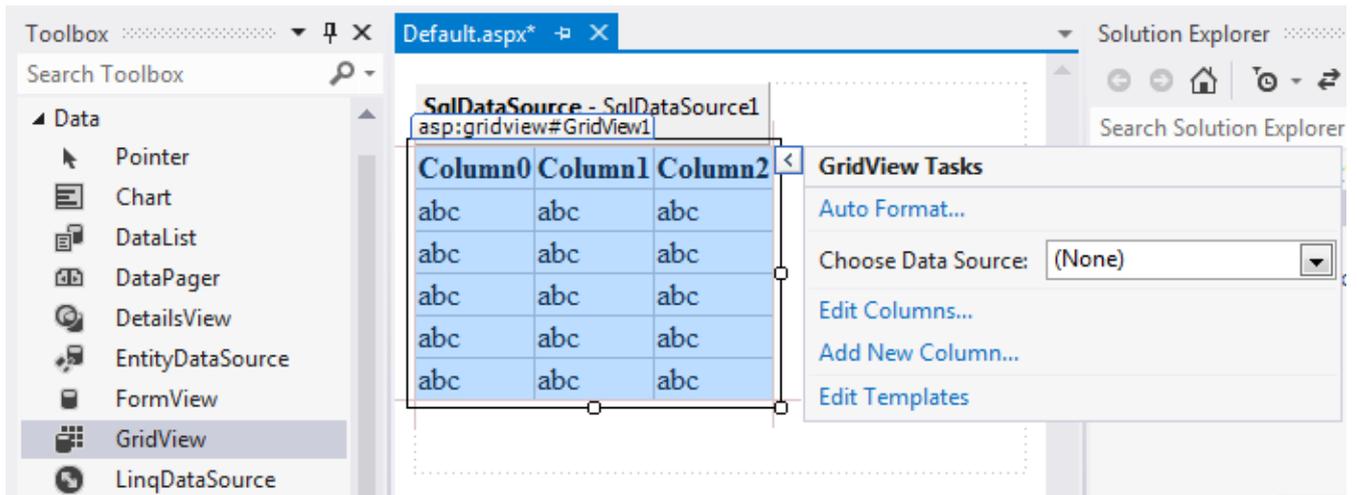
Select "SqlDataSource1" as a Data source to the table.
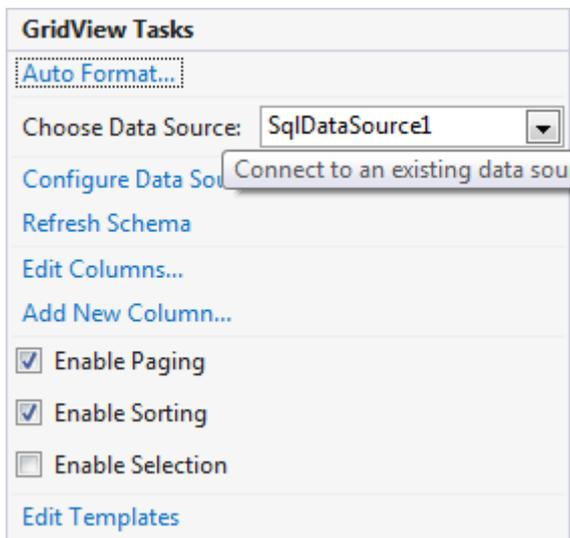

Test the page in the browser by CTRL+F5.
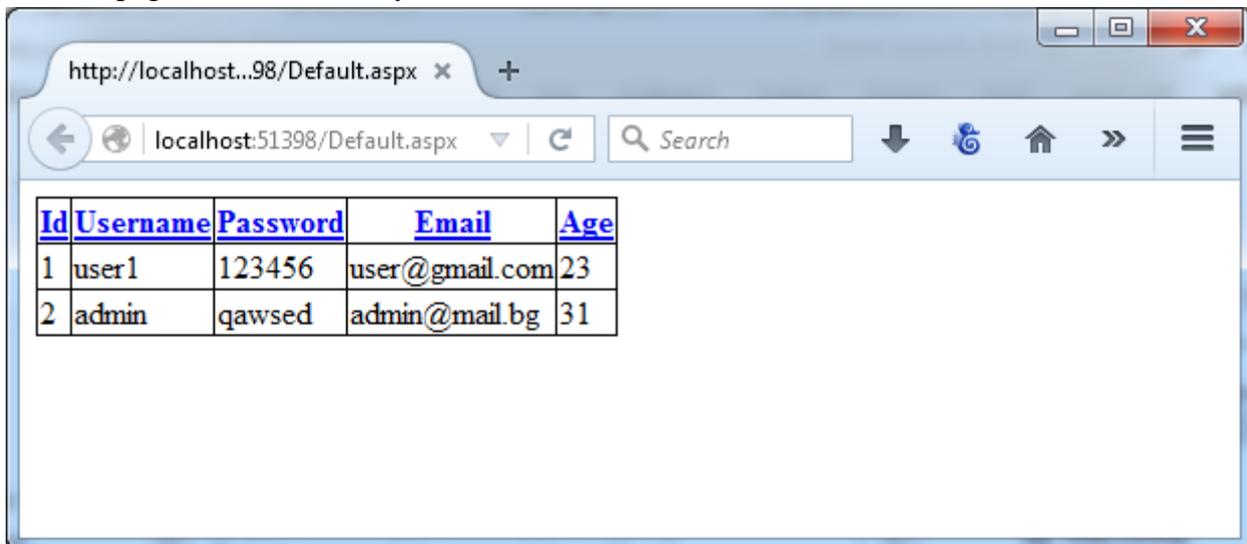
Inserting users to the DB (database).

First, add Labels and Textboxes for the user information.
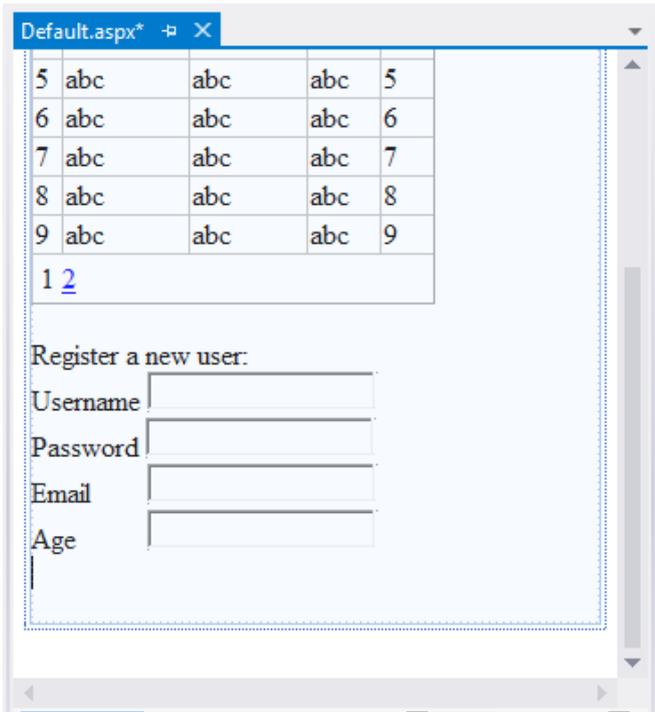
Add a Button, change its name to **btnRegister**, and its Text to "**Register**".
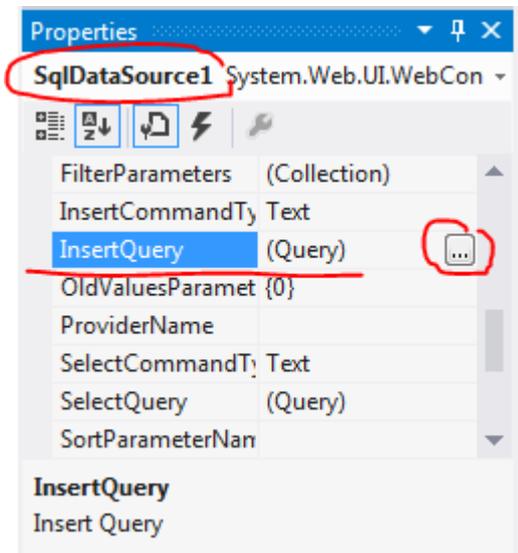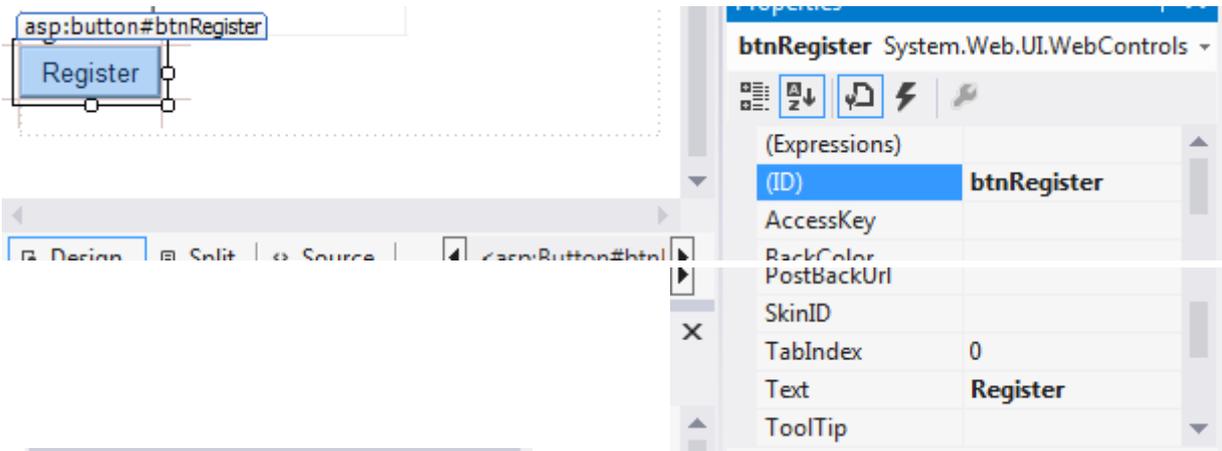
We need to configure the SQL Insert query. For this choose the SqlDataSoucre1 (one click only!) and find the Insert Query property.

You should see this window:
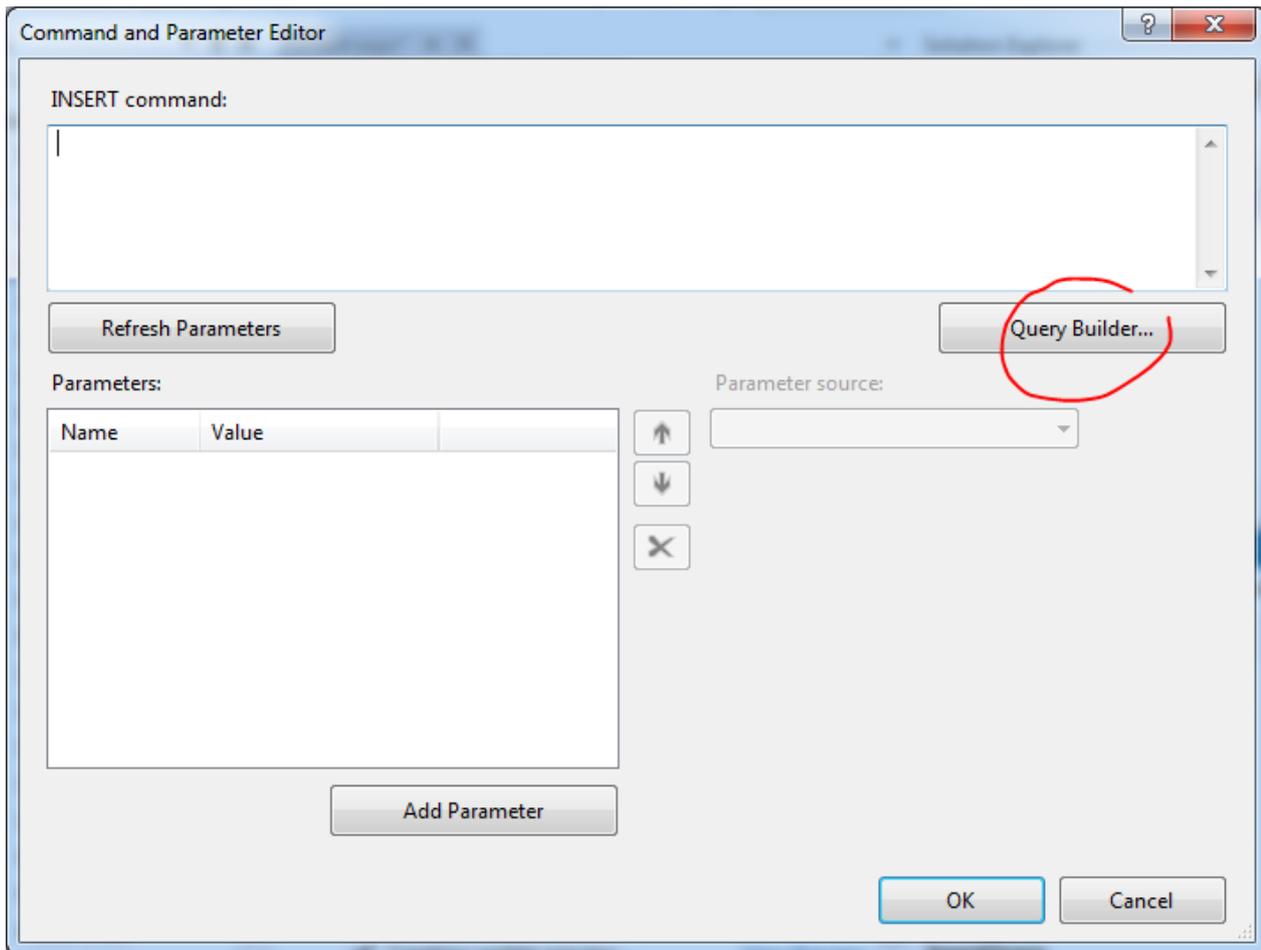

Click on Query Builder…
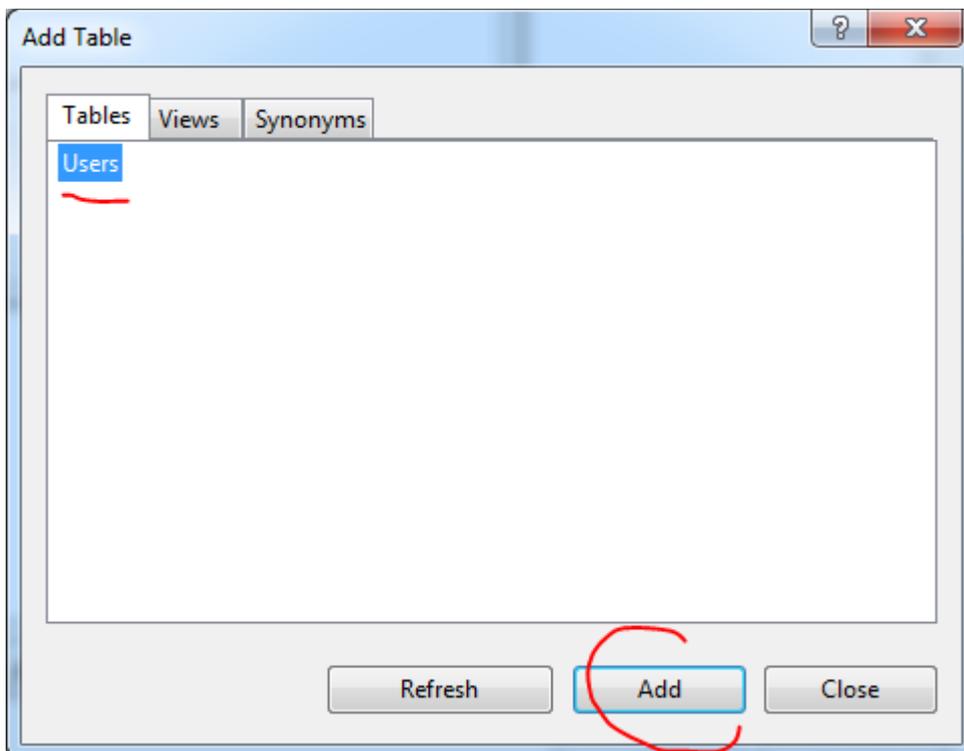
Select the table Users and click Add.

In the following window click on the columns we want to insert in, and in the table below write the names with the symbol @ in front of them – this means they are parameters.
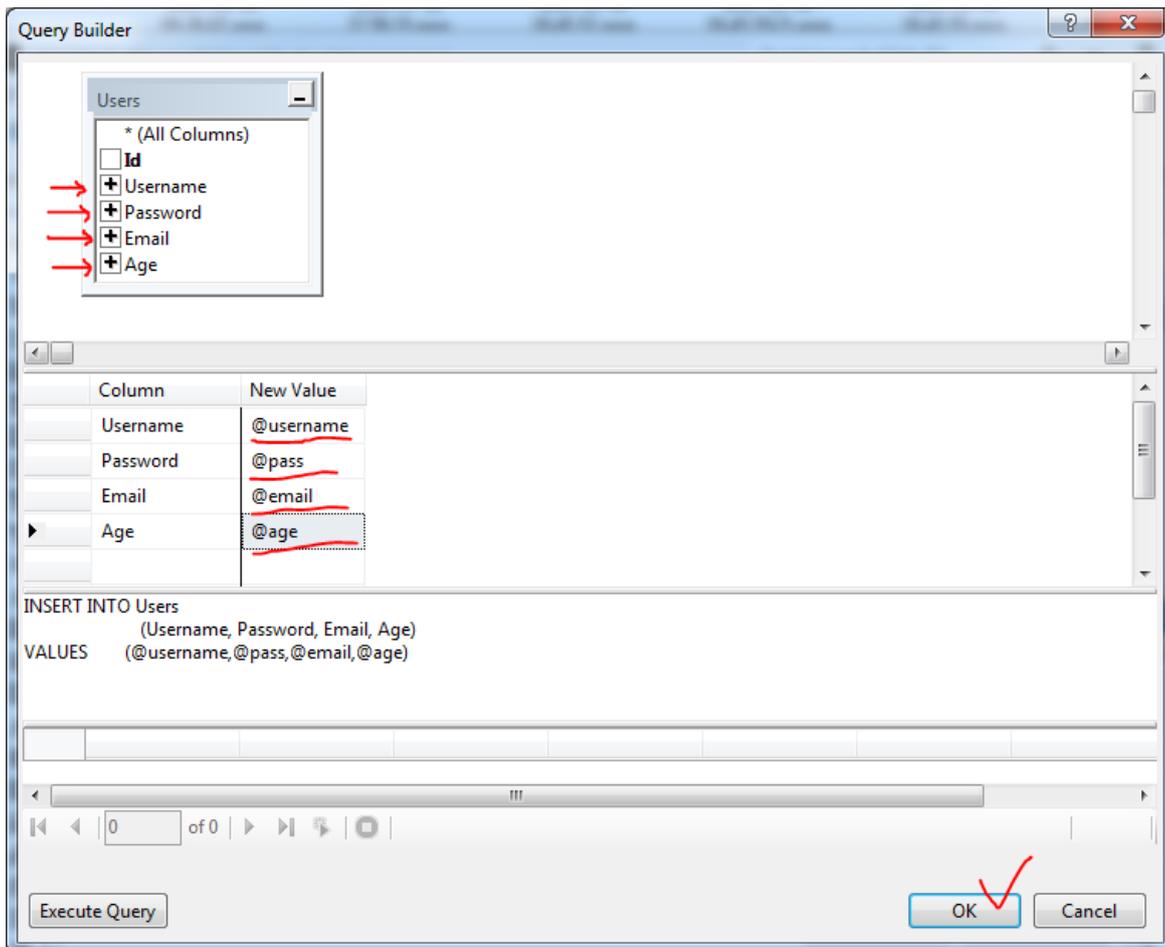
When everything is ready click OK.

To see the parameters you declared you need to click the button "Refresh Parameters".
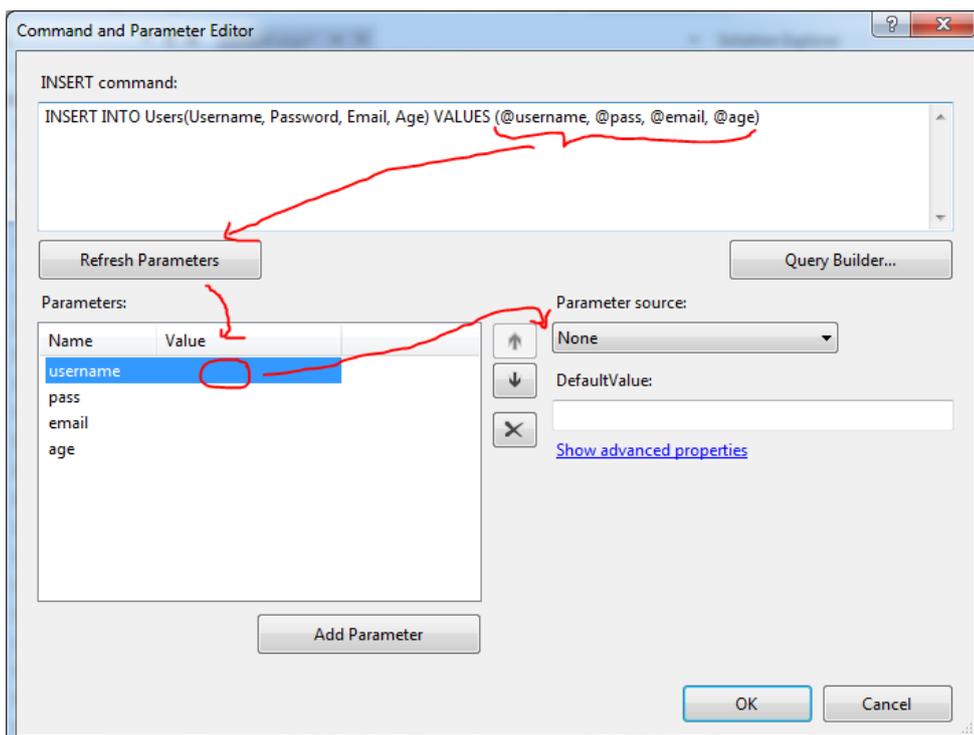
For Each one of them you will need to choose its **Source**
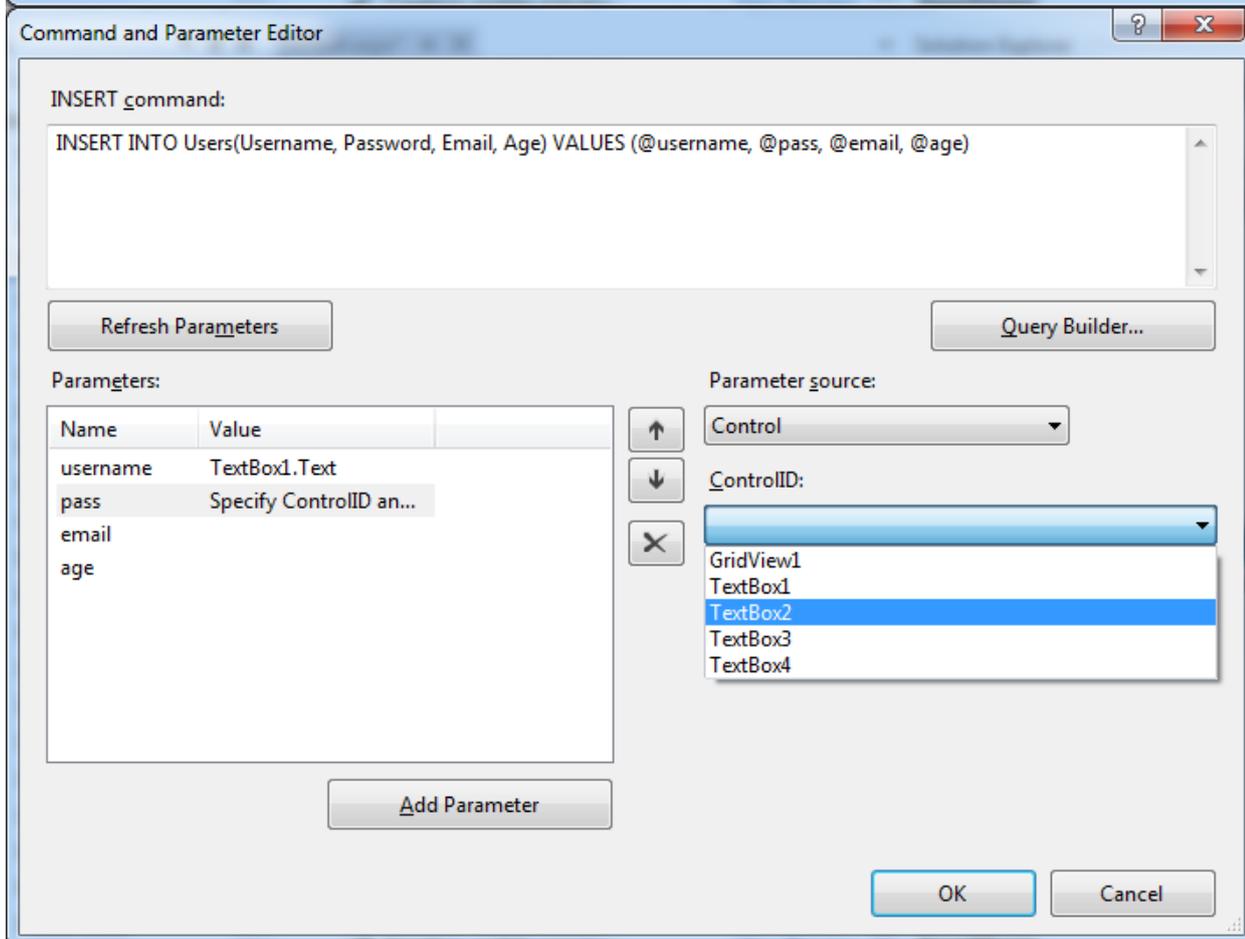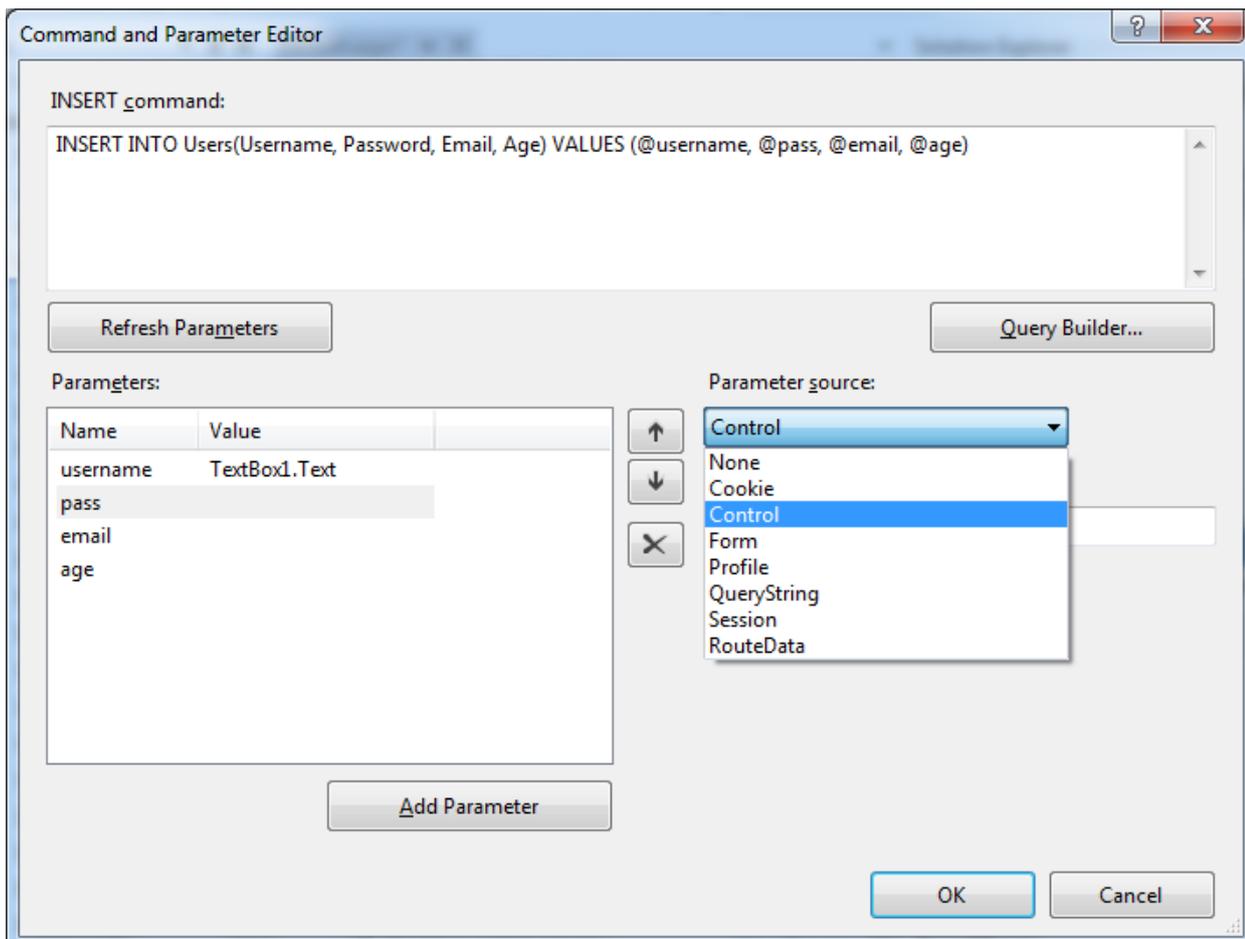
When we are ready with that, every parameter should be connected to a textbox.
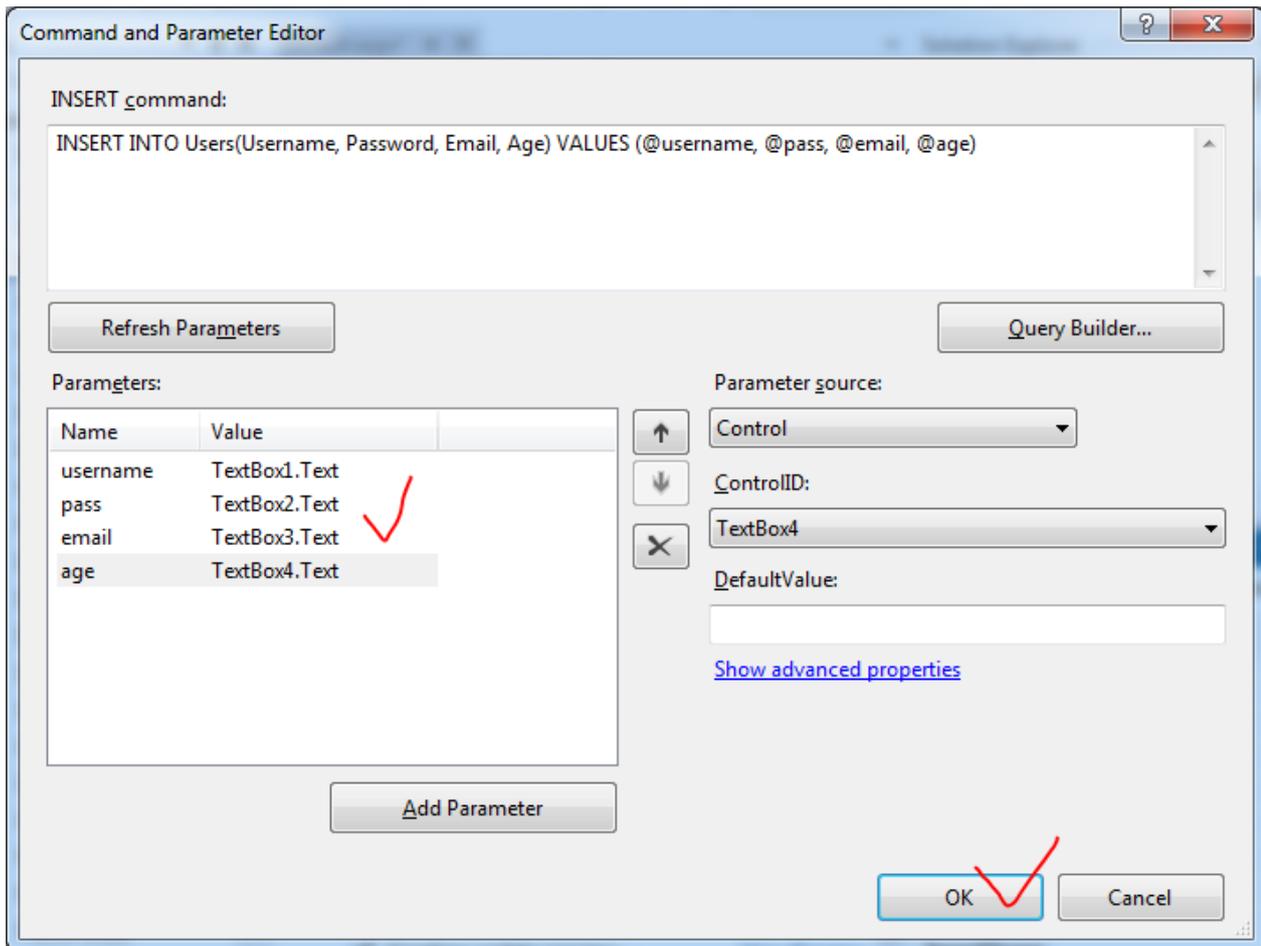
Double click on our Register Button to generate the OnClick code.
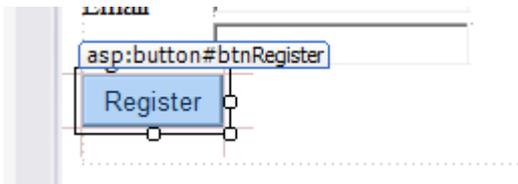
In the method that appeared write the underlined in red code:
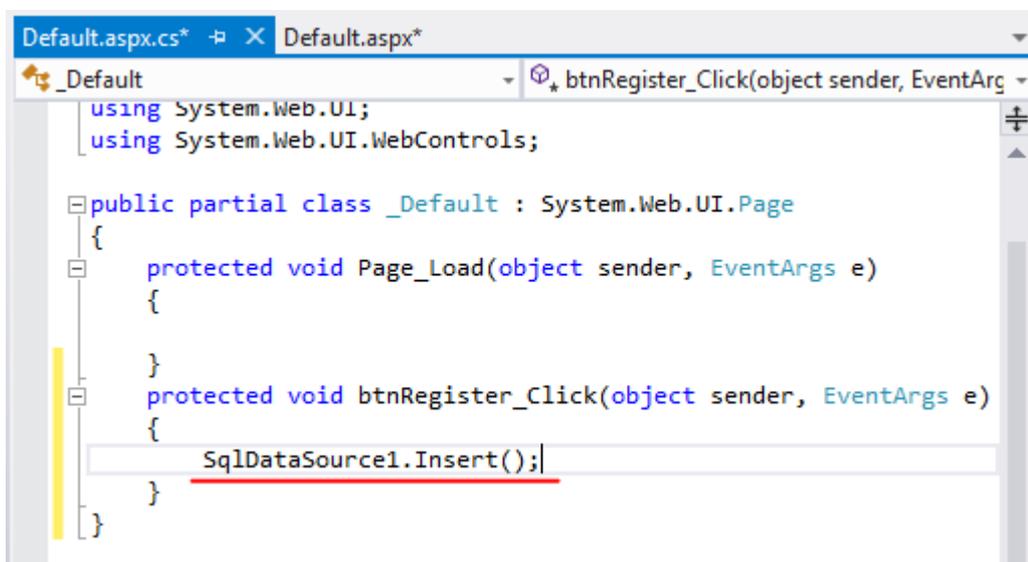
Now test in the browser with CTRL+F5.
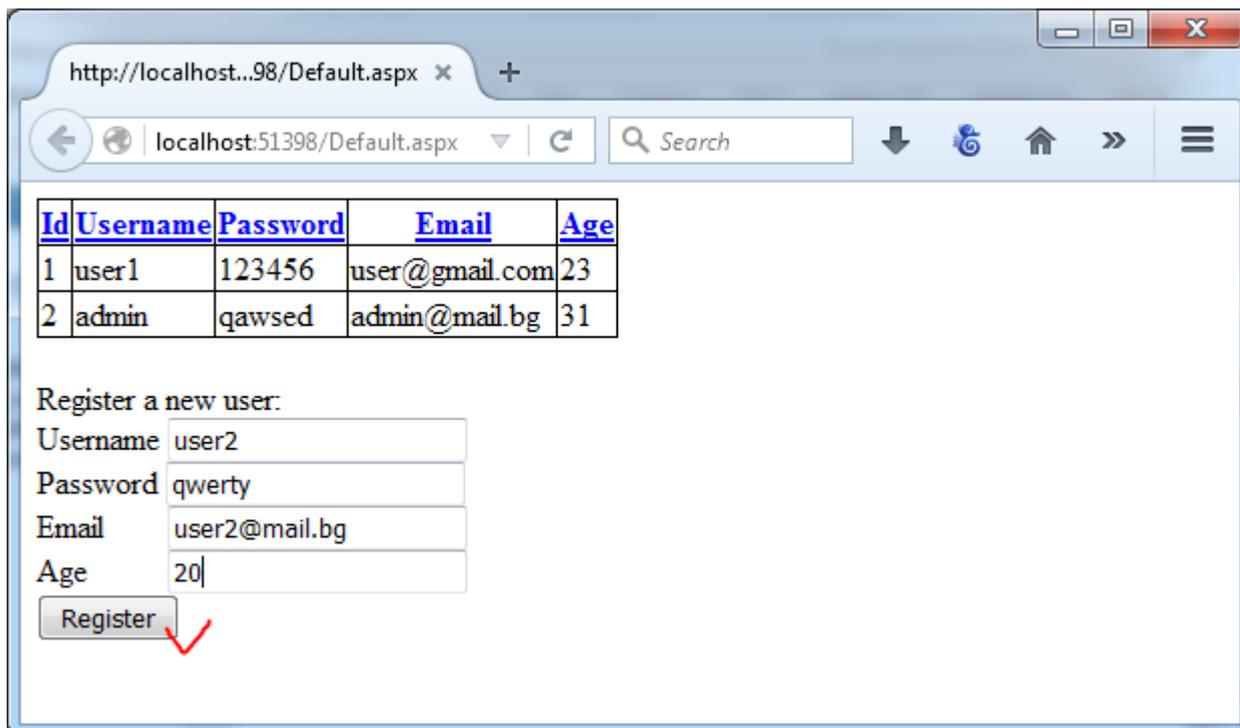
After click on "Register":
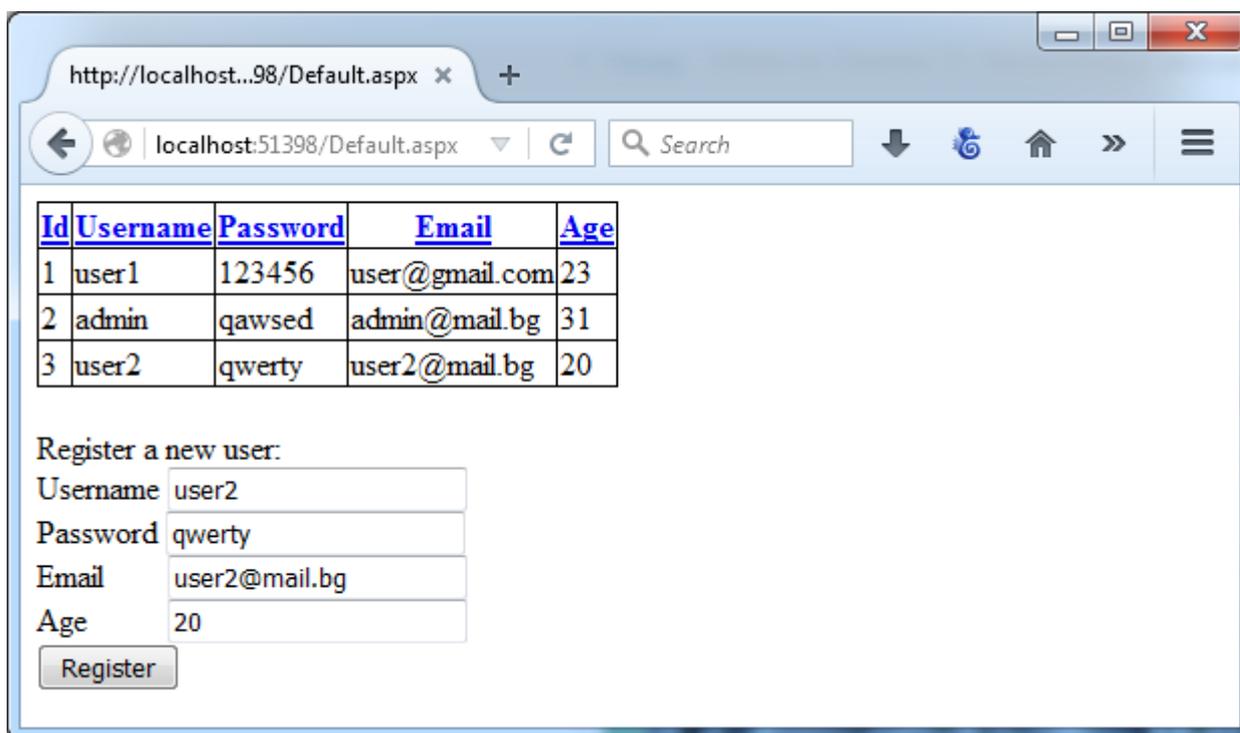
Tasks:

- Make the password hidden with ****.
- Change the type of the textbox for the email to email and the age to number to have HTML5 validation.