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using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Configuration;
using System.Data.SqlClient;
using CsharpWebAppDemo.Database.Models;

namespace CsharpWebAppDemo.Database
{
    public partial class Db07 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                //FillDropDownAuthor();
                //FillDropDownAuthor2();
                FillDropDownAuthor3();
                FillDataGrid();
            }
        }

        private void FillDataGrid()
        {
            Author author = new Author();
            GridView1.DataSource = author.Authors();
            GridView1.DataBind();
        }

        private void FillDropDownAuthor()
        {
            string CS = ConfigurationManager.ConnectionStrings
                ["SqlDbCS"].ConnectionString;

            using (SqlConnection DBConnection = new SqlConnection(CS))
            {
                using (SqlCommand cmd = new SqlCommand())
                {
                    cmd.CommandText = "SELECT * FROM ListAuthor";
                    cmd.Connection = DBConnection;

                    //SqlDataReader to store the Result returns by SqlCommand
                    SqlDataReader ReaderAuthor;

                    if (DBConnection.State == System.Data.ConnectionState.Closed)
                    {
                        DBConnection.Open();
                    }
                }
            }
        }
    }
}
```

```

        ReaderAuthor = cmd.ExecuteReader();    //Execute First Command

        //Add Items in DropDown
        ListAuthor.Items.Clear();
        //ListAuthor.Items.Add(new ListItem("Select Author", "-1"));
        //while (ReaderAuthor.Read())
        //{
        //    ListAuthor.Items.Add(new ListItem(ReaderAuthor
        //        ["AuthorName"].ToString(), ReaderAuthor["AuthorId"].ToString
        //        ());
        //}

        //Fill List Author Drop Down Using Data Binding
        ListAuthor.DataTextField = "AuthorName";
        ListAuthor.DataValueField = "AuthorId";
        ListAuthor.DataSource = ReaderAuthor;
        ListAuthor.DataBind(); //Populate - Iterate DataSource Property
                                Object

        ReaderAuthor.Close();
    }
}

private void FillDropDownAuthor2()
{
    Author author = new Author();
    List<AuthorModel> ListAuthor = new List<AuthorModel>();
    ListAuthor = author.GetAllAuthors();

    //this.ListAuthor.Items.Add(new ListItem("Select Author", "-1"));
    //foreach (AuthorModel AuthorDetail in ListAuthor.GetAllAuthors())
    //{
    //    //Response.Write($"<br> {AuthorDetail.AuthorId},
    //        {AuthorDetail.AuthorName}");
    //    this.ListAuthor.Items.Add(new ListItem(AuthorDetail.AuthorName,
    //        AuthorDetail.AuthorId.ToString()));
    //}

    //this.ListAuthor.DataSource = author.GetAllAuthors();
    //or
    this.ListAuthor.DataSource = ListAuthor;
    this.ListAuthor.DataTextField = "AuthorName";
    this.ListAuthor.DataValueField = "AuthorId";
    this.ListAuthor.DataBind();
}

private void FillDropDownAuthor3()
{
    Author author = new Author();

    this.ListAuthor.DataSource = author.GetAllAuthors2();
}

```

```
        this.ListAuthor.DataTextField = "AuthorName";
        this.ListAuthor.DataValueField = "AuthorId";
        this.ListAuthor.DataBind();
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        Response.Write(ListAuthor.SelectedValue);
    }
}
```