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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.Data.SqlClient;

namespace CsharpWebAppDemo.Database
{
    public partial class Db02 : System.Web.UI.Page
    {
        //Connect and Open DB
        SqlConnection DBConnection = new SqlConnection("Server=NABEELS-
            WORK;Database=DemoLMS;User
            Id=Demo;Password=Nabeel30;MultipleActiveResultSets=True;");
        //SqlConnection DBConnection = new SqlConnection("Data Source=NABEELS-
            WORK;Initial Catalog=DemoLMS;User
            Id=Demo;Password=Nabeel30;MultipleActiveResultSets=True;");
        SqlCommand cmd = new SqlCommand();
        SqlDataReader DataReader;

        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                FillDropDownAuthor();
                FillDropDownCategory();
                //FillDropDownAuthorMethod2();
            }
        }

        private void FillDropDownCategory()
        {
            cmd.CommandText = "SELECT * FROM ListCategory";
            cmd.Connection = DBConnection;

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

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

            DataReader = cmd.ExecuteReader();

            //Add Items in DropDown
            DDCategory.Items.Clear();
            DDCategory.Items.Add(new ListItem("Select Category", "-1"));
        }
    }
}
```

```
while (DataReader.Read())
{
    DDCategory.Items.Add(new ListItem(DataReader["Category"].ToString(),
    DataReader["CategoryId"].ToString()));
}

DBConnection.Close();
}
```

```
private void FillDropDownAuthor()
{
    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();
    }

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

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

    //DBConnection.Close();
    DataReader.Close();
}
```

```
private void FillDropDownAuthorMethod2()
{
    //int NumOfRows = 0;
    //SqlCommand cmdCount = new SqlCommand();
    //cmdCount.CommandText = "SELECT * FROM ListAuthor";
    //cmdCount.Connection = DBConnection;

    //SqlDataReader ReaderAuthorCount;

    //cmd.Dispose();

    //ReaderAuthorCount = cmdCount.ExecuteReader();

    //while (ReaderAuthorCount.Read())
```

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    //{
    //    NumOfRows++;
    //}

    //ListItem[] ListAuthor = new ListItem[50];

    //for (int a = 0; a < 50; a++)
    //{
    //    ListAuthor[a] = new ListItem();
    //}

    //ListAuthor[0].Text = "Select Author";
    //ListAuthor[0].Value = "-1";
    //ListAuthor[0].Selected = true;

    //for (int a = 1; a < ListAuthor.Length; a++)
    //{
    //    ReaderAuthor.Read();
    //    ListAuthor[a].Text = ReaderAuthor["AuthorName"].ToString();
    //    ListAuthor[a].Value = ReaderAuthor["AuthorId"].ToString();
    //}

    //this.DDAuthor.Items.AddRange(ListAuthor);
}
protected void Button1_Click(object sender, EventArgs e)
{
    Response.Write("Submit Button Event Fired <br>");
    Response.Write($"Author - Selected Text = {DDAuthor.SelectedItem},  

        Selected Value = {DDAuthor.SelectedValue}");
    Response.Write($"Category - Selected Text = {DDCategory.SelectedItem},  

        Selected Value = {DDCategory.SelectedValue}");
}

protected void DDAuthor_SelectedIndexChanged(object sender, EventArgs e)
{
    Response.Write($"Selected Text = {DDAuthor.SelectedItem}, Selected Value =  

        {DDAuthor.SelectedValue}");
}
}
}

```