using System;  
using System.Data;  
using System.Data.SqlClient;  
using System.Web;  
using System.Web.UI;  
using System.Web.UI.WebControls;  
using System.Web.UI.HtmlControls;   
  
public class GridCustomPaging : System.Web.UI.Page  
{  
  protected System.Web.UI.WebControls.DataGrid MyDataGrid;  
  protected System.Web.UI.WebControls.Label CurrentPage;  
  protected System.Web.UI.WebControls.Label TotalPages;  
  protected System.Web.UI.WebControls.LinkButton NextPage;  
  protected System.Web.UI.WebControls.LinkButton PreviousPage;  
  protected System.Web.UI.WebControls.LinkButton FirstPage;  
  protected System.Web.UI.WebControls.LinkButton LastPage;  
  
  protected Int32 \_currentPageNumber = 1;  
  
  public void Page\_Load ( Object sender, EventArgs e )  
  {  
    if ( !Page.IsPostBack )  
    {  
      BindData();  
    }  
  }

protected void NavigationLink\_Click ( Object sender, CommandEventArgs e )  
  {  
    switch ( e.CommandName )  
    {  
      case "First":  
        \_currentPageNumber = 1;  
        break;  
      case "Last":  
        \_currentPageNumber = Int32.Parse ( TotalPages.Text );  
        break;  
      case "Next":  
        \_currentPageNumber = Int32.Parse ( CurrentPage.Text ) + 1;  
        break;  
      case "Prev":  
        \_currentPageNumber = Int32.Parse ( CurrentPage.Text ) - 1;  
        break;  
    }  
  
    BindData();  
  }

public void BindData()  
  {  
    SqlConnection myConnection = new SqlConnection(   
      "server=localhost;database=northwind;trusted\_connection=true;" );  
  
    SqlCommand myCommand = new   
      SqlCommand ( "Get\_Customers\_By\_Page", myConnection );  
    myCommand.CommandType = CommandType.StoredProcedure;  
  
    myCommand.Parameters.Add ( new   
      SqlParameter ( "@CurrentPage", SqlDbType.Int ) ).Value = \_currentPageNumber;  
    myCommand.Parameters.Add ( new  
      SqlParameter ( "@PageSize", SqlDbType.Int ) ) .Value = MyDataGrid.PageSize;  
    myCommand.Parameters.Add ( new  
      SqlParameter ("@TotalRecords",   
        SqlDbType.Int ) ).Direction = ParameterDirection.Output;  
  
    try  
    {  
      myConnection.Open();  
      MyDataGrid.DataSource = myCommand.ExecuteReader();  
      MyDataGrid.DataBind();  
    }  
    finally  
    {  
      myConnection.Close();  
    }  
  
    CurrentPage.Text = \_currentPageNumber.ToString();  
  
    Double \_totalPages = 1;  
    if ( !Page.IsPostBack )  
    {  
      Int32 \_totalRecords = (Int32) myCommand.Parameters["@TotalRecords"].Value;  
      \_totalPages = \_totalRecords / MyDataGrid.PageSize;  
      TotalPages.Text = ( System.Math.Ceiling ( \_totalPages ) ).ToString();  
    }  
    else  
    {  
      \_totalPages = Double.Parse ( TotalPages.Text );  
    }  
  
    if ( \_currentPageNumber == 1 )  
    {  
      PreviousPage.Enabled = false;  
  
      if ( \_totalPages > 1 )  
      {  
        NextPage.Enabled = true;  
      }  
      else  
      {  
        NextPage.Enabled = false;  
      }  
    }  
    else  
    {  
      PreviousPage.Enabled = true;  
  
      if ( \_currentPageNumber == \_totalPages )  
      {  
        NextPage.Enabled = false;  
      }  
      else  
      {  
        NextPage.Enabled = true;   
      }  
    }  
  }