SLIP 3

Q1. Write an asp.net program using listview transfer item from on listview to another listview.

**Aspx:**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="ListViewTransfer.aspx.cs" Inherits="ListViewTransfer.ListViewTransfer" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<title>ListView Transfer</title>

</head>

<body>

<form id="form1" runat="server">

<div>

<asp:ListView ID="ListView1" runat="server" OnItemCommand="ListView1\_ItemCommand">

<ItemTemplate>

<asp:Button ID="btnTransfer" runat="server" Text="Transfer" CommandName="TransferItem" CommandArgument='<%# Container.DisplayIndex %>' />

<asp:Label ID="Label1" runat="server" Text='<%# Eval("Text") %>'></asp:Label>

<br />

</ItemTemplate>

</asp:ListView>

<asp:Button ID="btnTransferAll" runat="server" Text="Transfer All" OnClick="btnTransferAll\_Click" />

<br />

<br />

<asp:ListView ID="ListView2" runat="server">

<ItemTemplate>

<asp:Label ID="Label2" runat="server" Text='<%# Eval("Text") %>'></asp:Label>

<br />

</ItemTemplate>

</asp:ListView>

</div>

</form>

</body>

</html>

**Aspx.CS:**

**using System;**

**using System.Collections.Generic;**

**using System.Web.UI.WebControls;**

**namespace ListViewTransfer**

**{**

**public partial class ListViewTransfer : System.Web.UI.Page**

**{**

**protected void Page\_Load(object sender, EventArgs e)**

**{**

**if (!IsPostBack)**

**{**

**// Sample data for ListView1**

**List<string> items1 = new List<string> { "Item 1", "Item 2", "Item 3", "Item 4", "Item 5" };**

**ListView1.DataSource = items1;**

**ListView1.DataBind();**

**// Initialize ListView2 with empty data**

**ListView2.DataSource = new List<string>();**

**ListView2.DataBind();**

**}**

**}**

**protected void ListView1\_ItemCommand(object sender, ListViewCommandEventArgs e)**

**{**

**if (e.CommandName == "TransferItem")**

**{**

**int index = Convert.ToInt32(e.CommandArgument);**

**ListViewItem item = ListView1.Items[index];**

**// Add the text of the clicked item to ListView2**

**AddItemToListView2(((Label)item.FindControl("Label1")).Text);**

**// Remove the clicked item from ListView1**

**ListView1.Controls.Remove(item);**

**}**

**}**

**protected void btnTransferAll\_Click(object sender, EventArgs e)**

**{**

**// Transfer all items from ListView1 to ListView2**

**foreach (ListViewItem item in ListView1.Items)**

**{**

**AddItemToListView2(((Label)item.FindControl("Label1")).Text);**

**}**

**// Clear ListView1**

**ListView1.Items.Clear();**

**}**

**private void AddItemToListView2(string text)**

**{**

**// Get data source of ListView2**

**List<string> items2 = (List<string>)ListView2.DataSource;**

**if (items2 == null)**

**{**

**items2 = new List<string>();**

**}**

**// Add the item to ListView2**

**items2.Add(text);**

**ListView2.DataSource = items2;**

**ListView2.DataBind();**

**}**

**}**

**}**

**Q2.**Write an asp.net program to display student details(roll no,name,mobile number and gender)from database.Edit,Delete information from Gridview.

**Aspx:**

**<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="StudentDetails.aspx.cs" Inherits="StudentDetails.StudentDetails" %>**

**<!DOCTYPE html>**

**<html xmlns="http://www.w3.org/1999/xhtml">**

**<head runat="server">**

**<title>Student Details</title>**

**</head>**

**<body>**

**<form id="form1" runat="server">**

**<div>**

**<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" DataKeyNames="RollNo"**

**OnRowEditing="GridView1\_RowEditing" OnRowUpdating="GridView1\_RowUpdating" OnRowCancelingEdit="GridView1\_RowCancelingEdit"**

**OnRowDeleting="GridView1\_RowDeleting" OnRowDataBound="GridView1\_RowDataBound">**

**<Columns>**

**<asp:BoundField DataField="RollNo" HeaderText="Roll No" ReadOnly="True" />**

**<asp:BoundField DataField="Name" HeaderText="Name" />**

**<asp:BoundField DataField="MobileNumber" HeaderText="Mobile Number" />**

**<asp:BoundField DataField="Gender" HeaderText="Gender" />**

**<asp:CommandField ShowEditButton="True" ShowDeleteButton="True" />**

**</Columns>**

**</asp:GridView>**

**</div>**

**</form>**

**</body>**

**</html>**

**Aspx.cs:**

**using System;**

**using System.Data;**

**using System.Data.SqlClient;**

**using System.Web.UI.WebControls;**

**namespace StudentDetails**

**{**

**public partial class StudentDetails : System.Web.UI.Page**

**{**

**protected void Page\_Load(object sender, EventArgs e)**

**{**

**if (!IsPostBack)**

**{**

**BindGridView();**

**}**

**}**

**protected void BindGridView()**

**{**

**string connectionString = "YourConnectionString"; // Replace with your database connection string**

**string query = "SELECT RollNo, Name, MobileNumber, Gender FROM Students";**

**using (SqlConnection conn = new SqlConnection(connectionString))**

**{**

**using (SqlCommand cmd = new SqlCommand(query, conn))**

**{**

**conn.Open();**

**SqlDataAdapter da = new SqlDataAdapter(cmd);**

**DataTable dt = new DataTable();**

**da.Fill(dt);**

**GridView1.DataSource = dt;**

**GridView1.DataBind();**

**}**

**}**

**}**

**protected void GridView1\_RowEditing(object sender, GridViewEditEventArgs e)**

**{**

**GridView1.EditIndex = e.NewEditIndex;**

**BindGridView();**

**}**

**protected void GridView1\_RowUpdating(object sender, GridViewUpdateEventArgs e)**

**{**

**string rollNo = GridView1.DataKeys[e.RowIndex].Value.ToString();**

**string name = ((TextBox)GridView1.Rows[e.RowIndex].FindControl("txtName")).Text;**

**string mobileNumber = ((TextBox)GridView1.Rows[e.RowIndex].FindControl("txtMobileNumber")).Text;**

**string gender = ((TextBox)GridView1.Rows[e.RowIndex].FindControl("txtGender")).Text;**

**string connectionString = "YourConnectionString"; // Replace with your database connection string**

**string query = "UPDATE Students SET Name=@Name, MobileNumber=@MobileNumber, Gender=@Gender WHERE RollNo=@RollNo";**

**using (SqlConnection conn = new SqlConnection(connectionString))**

**{**

**using (SqlCommand cmd = new SqlCommand(query, conn))**

**{**

**cmd.Parameters.AddWithValue("@Name", name);**

**cmd.Parameters.AddWithValue("@MobileNumber", mobileNumber);**

**cmd.Parameters.AddWithValue("@Gender", gender);**

**cmd.Parameters.AddWithValue("@RollNo", rollNo);**

**conn.Open();**

**cmd.ExecuteNonQuery();**

**}**

**}**

**GridView1.EditIndex = -1;**

**BindGridView();**

**}**

**protected void GridView1\_RowCancelingEdit(object sender, GridViewCancelEditEventArgs e)**

**{**

**GridView1.EditIndex = -1;**

**BindGridView();**

**}**

**protected void GridView1\_RowDeleting(object sender, GridViewDeleteEventArgs e)**

**{**

**string rollNo = GridView1.DataKeys[e.RowIndex].Value.ToString();**

**string connectionString = "YourConnectionString"; // Replace with your database connection string**

**string query = "DELETE FROM Students WHERE RollNo=@RollNo";**

**using (SqlConnection conn = new SqlConnection(connectionString))**

**{**

**using (SqlCommand cmd = new SqlCommand(query, conn))**

**{**

**cmd.Parameters.AddWithValue("@RollNo", rollNo);**

**conn.Open();**

**cmd.ExecuteNonQuery();**

**}**

**}**

**BindGridView();**

**}**

**protected void GridView1\_RowDataBound(object sender, GridViewRowEventArgs e)**

**{**

**if (e.Row.RowType == DataControlRowType.DataRow && GridView1.EditIndex == e.Row.RowIndex)**

**{**

**TextBox txtName = (TextBox)e.Row.FindControl("txtName");**

**TextBox txtMobileNumber = (TextBox)e.Row.FindControl("txtMobileNumber");**

**TextBox txtGender = (TextBox)e.Row.FindControl("txtGender");**

**txtName.Text = ((Label)e.Row.FindControl("lblName")).Text;**

**txtMobileNumber.Text = ((Label)e.Row.FindControl("lblMobileNumber")).Text;**

**txtGender.Text = ((Label)e.Row.FindControl("lblGender")).Text;**

**}**

**}**

**}**

**}**