**PRACTICAL NO.09**

**Write the program for the following:**

1. Create a web application to demonstrate use of GridView button column and GridView events along with paging and sorting.

b. Create a web application to demonstrate data binding using DetailsView and FormView

Control.

**Code:**

**WebForm1.aspx :**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="gridviev.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

<style type="text/css">

.auto-style1 {

position: absolute;

top: 36px;

left: 399px;

z-index: 1;

width: 220px;

height: 41px;

}

.auto-style2 {

position: absolute;

top: 352px;

left: 456px;

z-index: 1;

}

.auto-style3 {

position: absolute;

top: 152px;

left: 245px;

z-index: 1;

height: 35px;

width: 169px;

right: 622px;

}

.auto-style4 {

position: absolute;

top: 218px;

left: 243px;

z-index: 1;

width: 168px;

height: 37px;

}

.auto-style5 {

position: absolute;

left: 245px;

z-index: 1;

width: 167px;

top: 282px;

right: 624px;

height: 33px;

}

.auto-style6 {

position: absolute;

top: 153px;

left: 486px;

z-index: 1;

bottom: 244px;

width: 219px;

}

.auto-style7 {

position: absolute;

top: 222px;

left: 483px;

z-index: 1;

width: 222px;

height: 31px;

bottom: 175px;

}

.auto-style8 {

position: absolute;

top: 290px;

left: 487px;

z-index: 1;

height: 24px;

right: 304px;

}

</style>

</head>

<body>

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

<div>

<asp:Label ID="Label1" runat="server" BackColor="#0099FF" BorderColor="Blue" BorderStyle="Solid" CssClass="auto-style1" Font-Bold="True" Font-Size="XX-Large" ForeColor="White" Text="Admin Panel"></asp:Label>

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<asp:TextBox ID="TextBox3" runat="server" BackColor="#33CCCC" BorderColor="Black" CssClass="auto-style8" Font-Bold="True" Font-Size="X-Large" ForeColor="White" Height="30px"></asp:TextBox>

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<asp:TextBox ID="TextBox2" runat="server" BackColor="#33CCCC" BorderColor="Black" BorderStyle="Solid" CssClass="auto-style7" Font-Bold="True" Font-Size="X-Large" ForeColor="White" Height="30px"></asp:TextBox>

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<asp:Label ID="Label2" runat="server" BackColor="#00FF99" BorderColor="Black" BorderStyle="Solid" CssClass="auto-style3" Font-Bold="True" Font-Size="X-Large" ForeColor="#CC0000" Text="product name : "></asp:Label>

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<asp:Label ID="Label3" runat="server" BackColor="#00FF99" BorderColor="Black" BorderStyle="Solid" CssClass="auto-style4" Font-Bold="True" Font-Size="X-Large" ForeColor="Red" Text="price :"></asp:Label>

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<br />

<asp:Button ID="Button1" runat="server" BackColor="#6600FF" BorderColor="Black" BorderStyle="Solid" CssClass="auto-style2" Font-Bold="True" Font-Size="X-Large" ForeColor="White" OnClick="Button1\_Click" Text="submit" />

<asp:Label ID="Label4" runat="server" BackColor="#00FF99" BorderColor="Black" BorderStyle="Solid" CssClass="auto-style5" Font-Bold="True" Font-Size="X-Large" ForeColor="Red" Text="photolink : "></asp:Label>

<asp:TextBox ID="TextBox1" runat="server" BackColor="#33CCCC" BorderColor="Black" BorderStyle="Solid" CssClass="auto-style6" Font-Bold="True" Font-Size="X-Large" ForeColor="White" Height="30px" ></asp:TextBox>

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</div>

</form>

</body>

</html>

**WebForm1.aspx.cs:**

using System;

using System.Configuration;

using System.Data.SqlClient;

namespace gridviev

{

public partial class WebForm1 : System.Web.UI.Page

{

SqlConnection con = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);

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

{

con.Open();

}

protected void Button1\_Click(object sender, EventArgs e)

{

SqlCommand cmd = new SqlCommand("INSERT INTO Product (Prod\_name, Prod\_price, Prod\_photo) VALUES (@Prod\_name, @Prod\_price, @Prod\_photo)", con);

cmd.Parameters.AddWithValue("@Prod\_name", TextBox1.Text);

cmd.Parameters.AddWithValue("@Prod\_price", Convert.ToInt32(TextBox2.Text));

cmd.Parameters.AddWithValue("@Prod\_photo", TextBox3.Text);

cmd.ExecuteNonQuery();

}

}

}

**Database :**

CREATE TABLE [dbo].[Product] (

[Id] INT IDENTITY (1, 1) NOT NULL,

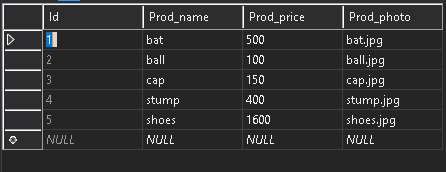
[Prod\_name] VARCHAR (50) NOT NULL,

[Prod\_price] INT NOT NULL,

[Prod\_photo] VARCHAR (50) NOT NULL,

PRIMARY KEY CLUSTERED ([Id] ASC)

);



User.aspx :

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

<!DOCTYPE html>

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

<head runat="server">

<title></title>

<style type="text/css">

.auto-style1 {

position: absolute;

top: 39px;

left: 337px;

z-index: 1;

width: 329px;

height: 42px;

}

.auto-style2 {

width: 332px;

height: 347px;

position: absolute;

top: 147px;

left: 338px;

z-index: 1;

right: 349px;

}

.auto-style3 {

width: 125px;

height: 67px;

position: absolute;

top: 238px;

left: 10px;

}

.auto-style4 {

width: 187px;

height: 137px;

position: absolute;

top: 378px;

left: 1049px;

z-index: 1;

}

</style>

</head>

<body>

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

<div>

<asp:Label ID="Label1" runat="server" BackColor="#00CCFF" BorderColor="Black" BorderStyle="Solid" CssClass="auto-style1" Font-Bold="True" Font-Size="XX-Large" ForeColor="Red" Text="Cricket Equipment"></asp:Label>

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<asp:GridView ID="GridView1" runat="server" AllowPaging="True" AutoGenerateColumns="False" CellPadding="4" CssClass="auto-style2" DataKeyNames="Id" DataSourceID="SqlDataSource1" ForeColor="#333333" GridLines="None" OnSelectedIndexChanged="GridView1\_SelectedIndexChanged" PageSize="2" AllowSorting="True">

<AlternatingRowStyle BackColor="White" />

<Columns>

<asp:CommandField ShowSelectButton="True" />

<asp:BoundField DataField="Id" HeaderText="Id" InsertVisible="False" ReadOnly="True" SortExpression="Id" />

<asp:BoundField DataField="Prod\_name" HeaderText="Prod\_name" SortExpression="Prod\_name" />

<asp:BoundField DataField="Prod\_price" HeaderText="Prod\_price" SortExpression="Prod\_price" />

<asp:BoundField DataField="Prod\_photo" HeaderText="Prod\_photo" SortExpression="Prod\_photo" Visible="False" />

<asp:ImageField DataImageUrlField="Prod\_photo" HeaderText="Photos">

</asp:ImageField>

</Columns>

<EditRowStyle BackColor="#0099CC" BorderColor="Black" BorderStyle="Solid" ForeColor="White" />

<FooterStyle BackColor="#990000" Font-Bold="True" ForeColor="White" />

<HeaderStyle BackColor="#990000" Font-Bold="True" ForeColor="White" />

<PagerStyle BackColor="#FFCC66" ForeColor="#333333" HorizontalAlign="Center" />

<RowStyle BackColor="#FFFBD6" ForeColor="#333333" />

<SelectedRowStyle BackColor="#FFCC66" Font-Bold="True" ForeColor="Navy" />

<SortedAscendingCellStyle BackColor="#FDF5AC" />

<SortedAscendingHeaderStyle BackColor="#4D0000" />

<SortedDescendingCellStyle BackColor="#FCF6C0" />

<SortedDescendingHeaderStyle BackColor="#820000" />

</asp:GridView>

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:ConnectionString %>" SelectCommand="SELECT \* FROM [Product]"></asp:SqlDataSource>

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<asp:DetailsView ID="DetailsView1" runat="server" AutoGenerateRows="False" CssClass="auto-style4" DataKeyNames="Id" DataSourceID="SqlDataSource2">

<Fields>

<asp:BoundField DataField="Id" HeaderText="Id" InsertVisible="False" ReadOnly="True" SortExpression="Id" />

<asp:BoundField DataField="Prod\_name" HeaderText="Prod\_name" SortExpression="Prod\_name" />

<asp:BoundField DataField="Prod\_price" HeaderText="Prod\_price" SortExpression="Prod\_price" />

</Fields>

</asp:DetailsView>

<asp:SqlDataSource ID="SqlDataSource2" runat="server" ConnectionString="<%$ ConnectionStrings:ConnectionString %>" SelectCommand="SELECT \* FROM [Product] WHERE ([Id] = @Id) ORDER BY [Id], [Prod\_name], [Prod\_price]">

<SelectParameters>

<asp:ControlParameter ControlID="GridView1" Name="Id" PropertyName="SelectedValue" Type="Int32" />

</SelectParameters>

</asp:SqlDataSource>

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<asp:FormView ID="FormView1" runat="server" AllowPaging="True" CssClass="auto-style3" DataKeyNames="Id" DataSourceID="SqlDataSource2" OnPageIndexChanging="FormView1\_PageIndexChanging" style="z-index: 1; width: 289px; height: 67px; position: absolute; top: 180px; left: 1041px">

<EditItemTemplate>

Id:

<asp:Label ID="IdLabel1" runat="server" Text='<%# Eval("Id") %>' />

<br />

Prod\_name:

<asp:TextBox ID="Prod\_nameTextBox" runat="server" Text='<%# Bind("Prod\_name") %>' />

<br />

Prod\_price:

<asp:TextBox ID="Prod\_priceTextBox" runat="server" Text='<%# Bind("Prod\_price") %>' />

<br />

Prod\_photo:

<asp:TextBox ID="Prod\_photoTextBox" runat="server" Text='<%# Bind("Prod\_photo") %>' />

<br />

<asp:LinkButton ID="UpdateButton" runat="server" CausesValidation="True" CommandName="Update" Text="Update" />

&nbsp;<asp:LinkButton ID="UpdateCancelButton" runat="server" CausesValidation="False" CommandName="Cancel" Text="Cancel" />

</EditItemTemplate>

<InsertItemTemplate>

Prod\_name:

<asp:TextBox ID="Prod\_nameTextBox" runat="server" Text='<%# Bind("Prod\_name") %>' />

<br />

Prod\_price:

<asp:TextBox ID="Prod\_priceTextBox" runat="server" Text='<%# Bind("Prod\_price") %>' />

<br />

Prod\_photo:

<asp:TextBox ID="Prod\_photoTextBox" runat="server" Text='<%# Bind("Prod\_photo") %>' />

<br />

<asp:LinkButton ID="InsertButton" runat="server" CausesValidation="True" CommandName="Insert" Text="Insert" />

&nbsp;<asp:LinkButton ID="InsertCancelButton" runat="server" CausesValidation="False" CommandName="Cancel" Text="Cancel" />

</InsertItemTemplate>

<ItemTemplate>

Id:

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

<br />

Prod\_name:

<asp:Label ID="Prod\_nameLabel" runat="server" Text='<%# Bind("Prod\_name") %>' />

<br />

Prod\_price:

<asp:Label ID="Prod\_priceLabel" runat="server" Text='<%# Bind("Prod\_price") %>' />

<br />

Prod\_photo:

<asp:Label ID="Prod\_photoLabel" runat="server" Text='<%# Bind("Prod\_photo") %>' />

<br />

</ItemTemplate>

</asp:FormView>

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</div>

</form>

</body>

</html>

User.aspx.cs:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace gridviev

{

public partial class user : System.Web.UI.Page

{

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

{

}

protected void GridView1\_SelectedIndexChanged(object sender, EventArgs e)

{}

protected void FormView1\_PageIndexChanging(object sender, FormViewPageEventArgs e)

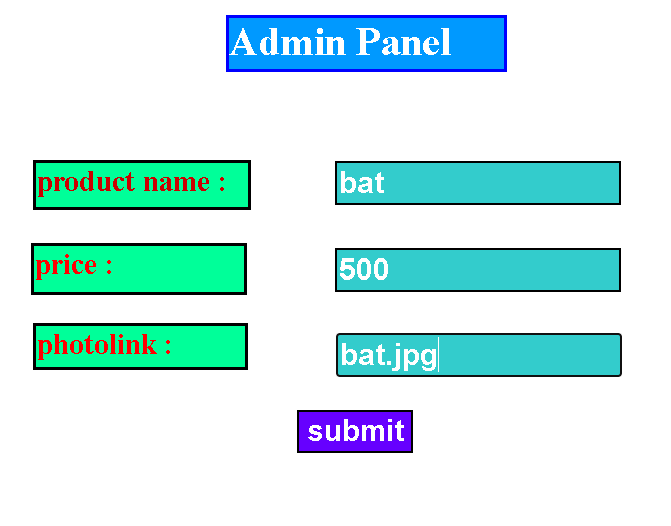
{}

}

}

**Output :**

**WebForm1.aspx:**



**Users.aspx :**

