**Practical No.09**

**Working with Database**

**Aim:**

**a) Create a web application to demonstrate use of GridView control template and GridView**

**hyperlink.**

**b) Create a web application to demonstrate use of GridView button column and GridView**

**events.**

**c) Create a web application to demonstrate GridView paging and Creating own table format**

**using GridView.**

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**Roll No: 64**

**Class: T.Y.BSc.IT**

**Sub: Advanced Web Programming**

**Grade:**

**Sign:**

**a) Create a web application to demonstrate use of GridView control template and GridView hyperlink.**

WebForm1.aspx--------------------------------------------------------------------------------------------

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="AWP\_9A.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

</div>

<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" DataKeyNames="Id" DataSourceID="SqlDataSource1">

<Columns>

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

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

<asp:TemplateField HeaderText="name" SortExpression="name">

<EditItemTemplate>

<asp:DropDownList ID="DropDownList1" runat="server" DataSourceID="SqlDataSource2" DataTextField="name" DataValueField="name" SelectedValue='<%# Bind("name") %>'>

</asp:DropDownList>

<asp:SqlDataSource ID="SqlDataSource2" runat="server" ConnectionString="<%$ ConnectionStrings:empConnectionString %>" SelectCommand="SELECT DISTINCT [name] FROM [emp]"></asp:SqlDataSource>

</EditItemTemplate>

<ItemTemplate>

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

</ItemTemplate>

</asp:TemplateField>

<asp:BoundField DataField="salary" HeaderText="salary" SortExpression="salary" />

</Columns>

</asp:GridView>

<p>

</p>

<p>

</p>

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConflictDetection="CompareAllValues" ConnectionString="<%$ ConnectionStrings:empConnectionString2 %>" DeleteCommand="DELETE FROM [emp] WHERE [Id] = @original\_Id AND (([name] = @original\_name) OR ([name] IS NULL AND @original\_name IS NULL)) AND (([salary] = @original\_salary) OR ([salary] IS NULL AND @original\_salary IS NULL))" InsertCommand="INSERT INTO [emp] ([Id], [name], [salary]) VALUES (@Id, @name, @salary)" OldValuesParameterFormatString="original\_{0}" SelectCommand="SELECT \* FROM [emp]" UpdateCommand="UPDATE [emp] SET [name] = @name, [salary] = @salary WHERE [Id] = @original\_Id AND (([name] = @original\_name) OR ([name] IS NULL AND @original\_name IS NULL)) AND (([salary] = @original\_salary) OR ([salary] IS NULL AND @original\_salary IS NULL))">

<DeleteParameters>

<asp:Parameter Name="original\_Id" Type="Int32" />

<asp:Parameter Name="original\_name" Type="String" />

<asp:Parameter Name="original\_salary" Type="Int32" />

</DeleteParameters>

<InsertParameters>

<asp:Parameter Name="Id" Type="Int32" />

<asp:Parameter Name="name" Type="String" />

<asp:Parameter Name="salary" Type="Int32" />

</InsertParameters>

<UpdateParameters>

<asp:Parameter Name="name" Type="String" />

<asp:Parameter Name="salary" Type="Int32" />

<asp:Parameter Name="original\_Id" Type="Int32" />

<asp:Parameter Name="original\_name" Type="String" />

<asp:Parameter Name="original\_salary" Type="Int32" />

</UpdateParameters>

</asp:SqlDataSource>

</form>

</body>

</html>

WebForm2.aspx--------------------------------------------------------------------------------------------

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="AWP\_9A.WebForm2" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

</div>

<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" DataSourceID="SqlDataSource1">

<Columns>

<asp:HyperLinkField DataNavigateUrlFields="sno" DataNavigateUrlFormatString="WebForm3.aspx?sno={0}" DataTextField="name" Text="Name" />

</Columns>

</asp:GridView>

<p>

</p>

<p>

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:mydb3ConnectionString %>" SelectCommand="SELECT [sno], [name] FROM [student]"></asp:SqlDataSource>

</p>

</form>

</body>

</html>

WebForm3.aspx--------------------------------------------------------------------------------------------

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm3.aspx.cs" Inherits="AWP\_9A.WebForm3" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

</div>

<asp:DetailsView ID="DetailsView1" runat="server" AutoGenerateRows="False" DataSourceID="SqlDataSource1" Height="50px" Width="125px">

<Fields>

<asp:BoundField DataField="sno" HeaderText="sno" SortExpression="sno" />

<asp:BoundField DataField="name" HeaderText="name" SortExpression="name" />

<asp:BoundField DataField="city" HeaderText="city" SortExpression="city" />

<asp:BoundField DataField="class" HeaderText="class" SortExpression="class" />

</Fields>

</asp:DetailsView>

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:mydb3ConnectionString2 %>" SelectCommand="SELECT \* FROM [student] WHERE ([sno] = @sno)">

<SelectParameters>

<asp:QueryStringParameter Name="sno" QueryStringField="sno" Type="Int32" />

</SelectParameters>

</asp:SqlDataSource>

</form>

</body>

</html>

**Output:**

Table

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

**b) Create a web application to demonstrate use of GridView button column and GridView**

**events.**

WebForm1.aspx.cs--------------------------------------------------------------------------------------------

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace AWP9B

{

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

{

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

{

}

protected void GridView1\_RowCommand(object sender, GridViewCommandEventArgs e)

{

if(e.CommandName=="B1")

{

GridView1.Rows[Convert.ToInt16(e.CommandArgument)].BackColor=System.Drawing.Color.Magenta;

}

}

}

}

WebForm1.aspx--------------------------------------------------------------------------------------------

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="AWP9B.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

</div>

<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" DataSourceID="SqlDataSource1" OnRowCommand="GridView1\_RowCommand" >

<Columns>

<asp:BoundField DataField="sno" HeaderText="sno" SortExpression="sno" />

<asp:BoundField DataField="name" HeaderText="name" SortExpression="name" />

<asp:BoundField DataField="city" HeaderText="city" SortExpression="city" />

<asp:BoundField DataField="class" HeaderText="class" SortExpression="class" />

<asp:ButtonField CommandName="B1" Text="Button" />

</Columns>

</asp:GridView>

<p>

&nbsp;</p>

<p>

&nbsp;</p>

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:mydb3ConnectionString2 %>" SelectCommand="SELECT \* FROM [student]"></asp:SqlDataSource>

</form>

</body>

</html>

**Output:**

Graphical user interface, text

Description automatically generated

**c) Create a web application to demonstrate GridView paging and Creating own table format**

**using GridView.**

WebForm1.aspx--------------------------------------------------------------------------------------------

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="AWP\_9B.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

</div>

<asp:GridView ID="GridView1" runat="server" AllowPaging="True" AutoGenerateColumns="False" BackColor="White" BorderColor="#999999" BorderStyle="Solid" BorderWidth="1px" CellPadding="3" DataSourceID="SqlDataSource1" ForeColor="Black" GridLines="Vertical" OnPageIndexChanging="GridView1\_PageIndexChanging" PageSize="5">

<AlternatingRowStyle BackColor="#CCCCCC" />

<Columns>

<asp:BoundField DataField="sno" HeaderText="sno" SortExpression="sno" />

<asp:BoundField DataField="name" HeaderText="name" SortExpression="name" />

<asp:BoundField DataField="city" HeaderText="city" SortExpression="city" />

<asp:BoundField DataField="class" HeaderText="class" SortExpression="class" />

</Columns>

<FooterStyle BackColor="#CCCCCC" />

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

<PagerStyle BackColor="#999999" ForeColor="Black" HorizontalAlign="Center" />

<SelectedRowStyle BackColor="#000099" Font-Bold="True" ForeColor="White" />

<SortedAscendingCellStyle BackColor="#F1F1F1" />

<SortedAscendingHeaderStyle BackColor="#808080" />

<SortedDescendingCellStyle BackColor="#CAC9C9" />

<SortedDescendingHeaderStyle BackColor="#383838" />

</asp:GridView>

<p>

<asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="True" OnSelectedIndexChanged="DropDownList1\_SelectedIndexChanged">

<asp:ListItem>1</asp:ListItem>

<asp:ListItem>2</asp:ListItem>

<asp:ListItem>3</asp:ListItem>

</asp:DropDownList>

</p>

<p>

</p>

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:mydb3ConnectionString %>" SelectCommand="SELECT \* FROM [student]"></asp:SqlDataSource>

</form>

</body>

</html>

WebForm1.aspx.cs--------------------------------------------------------------------------------------------

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace AWP\_9B

{

public partial class WebForm1 : [System.Web.UI.Page](http://system.web.ui.page/)

{

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

{

}

protected void GridView1\_PageIndexChanging(object sender, GridViewPageEventArgs e)

{

GridView1.PageIndex=e.NewPageIndex;

}

protected void DropDownList1\_SelectedIndexChanged(object sender, EventArgs e)

{

GridView1.PageIndex = DropDownList1.SelectedIndex;

}

}

}

**Output:**

Graphical user interface, application

Description automatically generated