AIM: DEMONSTRATE USAGE OF DATA BOUND CONTROLS, SIMPLE STORED PROCEDURE AND PARAMETERIZED STORED PROCEDURES IN ASP.NET

WebConfig:

<add name="ApplicationServices" connectionString="server=.; database=narender_p4;
Trusted_Connection=Yes;" providerName="System.Data.SqlClient"/>

DATABASE:

	ID	NAME	DEGREE	SUBJECT	
	1	Narender	 MCA	 AWT	
	2	Neel	 Bvoc	 JS	
ı	3	Parnot	 Btech	 JAVA	

A) Create a web page that demonstrates the use of data bound controls of ASP.NET.

SOURCE CODE:

DataBound.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="DataBound.aspx.cs"</p>
Inherits="DataBound" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
  <div>
  <h2>Display Data using Connected Architecture</h2>
  <asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False"
CellPadding="6" OnRowCancelingEdit="GridView1 RowCancelingEdit"
OnRowEditing="GridView1 RowEditing" OnRowUpdating="GridView1 RowUpdating">
     <Columns>
        <asp:TemplateField>
          <ItemTemplate>
            <asp:Button ID="btn_Edit" runat="server" Text="Edit" CommandName="Edit"
/>
          </ltemTemplate>
          <EditItemTemplate>
            <asp:Button ID="btn Update" runat="server" Text="Update"
CommandName="Update"/>
            <asp:Button ID="btn Cancel" runat="server" Text="Cancel"
CommandName="Cancel"/>
          </EditItemTemplate>
```

VESIT 1 NARENDER KESWANI

```
</asp:TemplateField>
        <asp:TemplateField HeaderText="ID">
          <ItemTemplate>
            <asp:Label ID="lbl_ID" runat="server" Text='<%#Eval("ID") %>'></asp:Label>
          </ltemTemplate>
        </asp:TemplateField>
        <asp:TemplateField HeaderText="NAME">
          <ItemTemplate>
            <asp:Label ID="lbl_Name" runat="server" Text='<%#Eval("NAME")
%>'></asp:Label>
          </ltemTemplate>
          <EditItemTemplate>
            <asp:TextBox ID="txt_Name" runat="server" Text='<%#Eval("NAME")
%>'></asp:TextBox>
          </EditItemTemplate>
        </asp:TemplateField>
        <asp:TemplateField HeaderText="COURSE">
          <ItemTemplate>
            <asp:Label ID="lbl_Course" runat="server" Text='<%#Eval("DEGREE")
%>'></asp:Label>
          </ltemTemplate>
          <EditItemTemplate>
            <asp:TextBox ID="txt_Course" runat="server" Text='<%#Eval("DEGREE")</pre>
%>'></asp:TextBox>
          </EditItemTemplate>
        </asp:TemplateField>
        <asp:TemplateField HeaderText="SUBJECT">
          <ItemTemplate>
            <asp:Label ID="lbl Subject" runat="server" Text='<%#Eval("SUBJECT")
%>'></asp:Label>
          </ltemTemplate>
          <EditItemTemplate>
            <asp:TextBox ID="txt_Subject" runat="server" Text='<%#Eval("SUBJECT")
%>'></asp:TextBox>
          </EditItemTemplate>
        </asp:TemplateField>
      </Columns>
      <HeaderStyle BackColor="#663300" ForeColor="#ffffff"/>
      <RowStyle BackColor="#e7ceb6"/>
    </asp:GridView>
  </div>
  </form>
</body>
</html>
DataBound.aspx.cs:
using System;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
```

```
DATE:14/05/2022
ROLL NO: 24
```

```
public partial class DataBound: System.Web.UI.Page
 //Connection String from web.config File
  string cs =
ConfigurationManager.ConnectionStrings["ApplicationServices"].ConnectionString;
  SalConnection con;
  SqlDataAdapter adapt;
  DataTable dt;
  protected void Page_Load(object sender, EventArgs e)
    if(!IsPostBack)
      ShowData();
  //ShowData method for Displaying Data in Gridview
  protected void ShowData()
 {
    dt = new DataTable();
    con = new SqlConnection(cs);
    con.Open();
    adapt = new SqlDataAdapter("Select ID,NAME,DEGREE,SUBJECT from student",con);
    adapt.Fill(dt);
    if(dt.Rows.Count>0)
      GridView1.DataSource = dt;
      GridView1.DataBind();
    con.Close();
  }
  protected void GridView1_RowEditing(object sender,
System.Web.UI.WebControls.GridViewEditEventArgs e)
    //NewEditIndex property used to determine the index of the row being edited.
    GridView1.EditIndex = e.NewEditIndex;
    ShowData();
  protected void GridView1 RowUpdating(object sender,
System.Web.UI.WebControls.GridViewUpdateEventArgs e)
 {
    //Finding the controls from Gridview for the row which is going to update
    Label id=GridView1.Rows[e.RowIndex].FindControl("lbl ID") as Label;
    TextBox name = GridView1.Rows[e.RowIndex].FindControl("txt_NAME") as TextBox;
    TextBox course = GridView1.Rows[e.RowIndex].FindControl("txt_COURSE") as TextBox;
    TextBox subject = GridView1.Rows[e.RowIndex].FindControl("txt_SUBJECT") as TextBox;
    con = new SqlConnection(cs);
    con.Open();
    //updating the record
```

```
SqlCommand cmd = new SqlCommand("Update student set
NAME=""+name.Text+"",DEGREE=""+course.Text+"",SUBJECT=""+subject.Text+"" where
ID="+Convert.ToInt32(id.Text),con);
    cmd.ExecuteNonQuery();
    con.Close();
    //Setting the EditIndex property to -1 to cancel the Edit mode in Gridview
    GridView1.EditIndex = -1;
    //Call ShowData method for displaying updated data
    ShowData();
  protected void GridView1_RowCancelingEdit(object sender,
System.Web.UI.WebControls.GridViewCancelEditEventArgs e)
    //Setting the EditIndex property to -1 to cancel the Edit mode in Gridview
    GridView1.EditIndex = -1;
    ShowData();
 }
}
```

OUTPUT:

BEFORE EDITING:

Display Data using Connected Architecture

	ID	NAME	COURSE	SUBJECT
Edit	1	Narender	MCA	AWT
Edit	2	Neel	Bvoc	JS
Edit	3	Parnot	Btech	JAVA

EDITING:

Display Data using Connected Architecture

	ID	NAME	COURSE	SUBJECT
Edit	1	Narender	MCA	AWT
Update Cancel	2	Neel Deshmukh	Bvoc SD	JS
Edit	3	Parnot	Btech	JAVA

AFTER EDITING:

VESIT 4 NARENDER KESWANI

Display Data using Connected Architecture

DATE:14/05/2022

ROLL NO: 24

	ID	NAME	COURSE	SUBJECT
Edit	1	Narender	MCA	AWT
Edit	2	Neel Deshmukh	Bvoc SD	JS
Edit	3	Parnot	Btech	JAVA

B) Design a web page to demonstrate the working of a simple stored procedure.

DATABASE:

```
CREATE OR ALTER PROCEDURE simpleStudentProcedureByNarender AS select * from narender_p4.dbo.student GO;
```

SOURCE CODE:

StoredProcedure.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="StoredProcedure.aspx.cs"</p>
Inherits="StoredProcedure" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
   <asp:GridView ID="GridView1" runat="server">
    </asp:GridView>
  </div>
  </form>
</body>
</html>
```

VESIT 5 NARENDER KESWANI

FYMCA-B SEM-II DATE:14/05/2022 AWT PRACTICAL NO: 06 ROLL NO: 24

StoredProcedure.aspx.cs:

```
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
public partial class StoredProcedure: System.Web.UI.Page
  string cs =
ConfigurationManager.ConnectionStrings["ApplicationServices"].ConnectionString;
  SqlConnection con;
  protected void Page_Load(object sender, EventArgs e)
    con = new SqlConnection(cs);
    con.Open();
    System.Data.SqlClient.SqlCommand objCmd = new
System.Data.SqlClient.SqlCommand("simpleStudentProcedureByNarender", con);
  objCmd.CommandType = System.Data.CommandType.StoredProcedure;
  GridView1.DataSource = objCmd.ExecuteReader();
  GridView1.DataBind();
  con.Close();
}
```

OUTPUT:

ID	NAME	DEGREE	SUBJECT
1	Narender	MCA	AWT
2	Neel Deshmukh	Bvoc SD	JS
3	Parnot	Btech	JAVA

VESIT 6 NARENDER KESWANI

FYMCA-B SEM-II DATE:14/05/2022 AWT PRACTICAL NO: 06 ROLL NO: 24

C) Design a web page to demonstrate the working of parameterized stored procedure.

DATABASE:

```
CREATE OR ALTER PROCEDURE paramStudentProcedureByNarender(
@ID INT, @NAME NVARCHAR(50), @DEGREE NVARCHAR(50), @SUBJECT NVARCHAR(50))
AS
BEGIN
INSERT INTO student( [ID], [NAME], [DEGREE], [SUBJECT])
VALUES ( @ID, @NAME, @DEGREE, @SUBJECT )
END
```

SOURCE CODE:

ParameterSP.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="ParameterSP.aspx.cs"</p>
Inherits="ParameterSP" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
  <div>
        <asp:Label ID="Label1" runat="server" Text="ID"></asp:Label>
        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox><br /><br />
        <asp:Label ID="Label2" runat="server" Text="NAME"></asp:Label>
        <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox><br /><br />
        <asp:Label ID="Label3" runat="server" Text="DEGREE"></asp:Label>
        <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox><br /><br />
        <asp:Label ID="Label4" runat="server" Text="SUBJECT"></asp:Label>
        <asp:TextBox ID="TextBox4" runat="server"></asp:TextBox><br /><br />
        <asp:Button ID="Button1" runat="server" Text="Submit Record"
OnClick="Button1_Click" />
```

VESIT 7 NARENDER KESWANI

```
<asp:Label ID="lblResult" runat="server" Text=""></asp:Label>
  </div>
  </form>
</body>
</html>
ParameterSP.aspx.cs:
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
public partial class ParameterSP: System.Web.UI.Page
{
ConfigurationManager.ConnectionStrings["ApplicationServices"].ConnectionString;
  SqlConnection con;
  SqlCommand cmd = new SqlCommand();
  SqlParameter sp1, sp2, sp3, sp4;
  protected void Page Load(object sender, EventArgs e)
  protected void Button1 Click(object sender, EventArgs e)
    con = new SqlConnection(cs);
    cmd = new SqlCommand("paramStudentProcedureByNarender", con);
    cmd.CommandType = CommandType.StoredProcedure;
    sp1 = new SqlParameter("@ID", SqlDbType.Int);
    sp2 = new SqlParameter("@NAME", SqlDbType.NVarChar);
    sp3 = new SqlParameter("@DEGREE", SqlDbType.NVarChar);
    sp4 = new SqlParameter("@SUBJECT", SqlDbType.NVarChar);
    sp1.Value = Convert.ToInt32(TextBox1.Text);
    sp2.Value = TextBox2.Text;
    sp3.Value = TextBox3.Text;
    sp4.Value = TextBox4.Text;
    cmd.Parameters.Add(sp1);
    cmd.Parameters.Add(sp2);
    cmd.Parameters.Add(sp3);
    cmd.Parameters.Add(sp4);
    con.Open();
    try
```

```
FYMCA-B
                                  SEM-II
                                                                        DATE:14/05/2022
                                                                        ROLL NO: 24
                            PRACTICAL NO: 06
           {
             cmd.ExecuteNonQuery();
             lblResult.Text = "Successfully inserted!";
           catch (Exception)
             lblResult.Text = "Error was occured!";
           con.Close();
         }
       }
       OUTPUT:
       Before Inserting:
        ID \mid 4
        NAME | Hassan
        DEGREE BVOC SD
        SUBJECT WEB
         Submit Record
       After Inserting:
        ID 4
        NAME Hassan
        DEGREE BVOC SD
        SUBJECT | WEB
         Submit Record Successfully inserted!
```

CONCLUSION:

AWT

From this practical, I have learned about data bound controls, simple stored procedure and parameterized stored procedures in ASP.NET.

VESIT 9 **NARENDER KESWANI**