Assignment-6

Q 1. Create an ASP.NET application that connect with the Access database and perform insert, update and delete operations on database and display the data in FormView control.

Source Code: -

WebForm1.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="WebForm1.aspx.vb"
Inherits="formViewAssignment2.WebForm1" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>FormView</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Label ID="Label1" runat="server" Text="Roll no :
"></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="Address:
"></asp:Label>
            <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox><br /><br
/>
            <asp:Button ID="Button1" runat="server" Text="Insert"
OnClick="Button1_Click" />
            <asp:Button ID="Button2" runat="server" Text="Update"
OnClick="Button2_Click" />
            <asp:Button ID="Button3" runat="server" Text="Delete"
OnClick="Button3_Click" /><br /><br />
            <asp:FormView ID="FormView1" runat="server"
DataSourceID="SqlDataSource1" AllowPaging="True" CssClass="rowstyle">
                <ItemTemplate>
                  <div>
                      <h3>Roll: <%# Eval("Roll") %></h3>
                      <h3>Name: <%# Eval("Name") %></h3>
                      <h3>Address: <%# Eval("Address") %></h3>
                  </div>
                </ItemTemplate>
            </asp:FormView>
            <asp:SqlDataSource runat="server" ID="SqlDataSource1"
ConnectionString="<%$ ConnectionStrings:ConnectionString2 %>"
DeleteCommand="DELETE FROM [StudentTB] WHERE [Roll] = ?"
InsertCommand="INSERT INTO [StudentTB] ([Roll], [Name], [Address]) VALUES (?,
?, ?)" ProviderName="<%$ ConnectionStrings:ConnectionString2.ProviderName %>"
SelectCommand="SELECT * FROM [StudentTB]" UpdateCommand="UPDATE [StudentTB]
SET [Name] = ?, [Address] = ? WHERE [Roll] = ?">
                <DeleteParameters>
                    <asp:Parameter Name="Roll" Type="Int32"></asp:Parameter>
                </DeleteParameters>
                <InsertParameters>
```

```
                    <asp:Parameter Name="Roll" Type="Int32"></asp:Parameter>
                    <asp:Parameter Name="Name" Type="String"></asp:Parameter>
                    <asp:Parameter Name="Address"
Type="String"></asp:Parameter>
                </InsertParameters>
                <UpdateParameters>
                    <asp:Parameter Name="Name" Type="String"></asp:Parameter>
                    <asp:Parameter Name="Address"
Type="String"></asp:Parameter>
                    <asp:Parameter Name="Roll" Type="Int32"></asp:Parameter>
                </UpdateParameters>
            </asp:SqlDataSource>
        </div>
    </form>
</body>
</html>
```

WebForm1.aspx.vb

```vb
Imports System.Data.OleDb
Imports System.Data
Public Class WebForm1
    Inherits System.Web.UI.Page
    Dim conn As New
OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\mansi\OneDrive\문서\StuddDB.mdb")
    Dim ds As New DataSet
    Dim da As New OleDbDataAdapter("select * from StudentTB", conn)
    Dim cmd As New OleDbCommand()
    Dim query As String
    Protected Sub Button1_Click(sender As Object, e As EventArgs)
        conn.Open()
        query = "insert into StudentTB(Roll,Name,Address) values(" &
TextBox1.Text & ",'" & TextBox2.Text & "','" & TextBox3.Text & "')"
        Dim cmd As New OleDbCommand(query, conn)
        cmd.ExecuteNonQuery()
        ds.Clear()
        da.Fill(ds, "StudentTB")
        conn.Close()
        FormView1.DataBind()
    End Sub
    Protected Sub Button2_Click(sender As Object, e As EventArgs)
        conn.Open()
        query = "update StudentTB set Name='" & TextBox2.Text & "',
Address='" & TextBox3.Text & "' where Roll=" & TextBox1.Text & " "
        Dim cmd As New OleDbCommand(query, conn)
        cmd.ExecuteNonQuery()
        ds.Clear()
        da.Fill(ds, "StudentTB")
        conn.Close()
        FormView1.DataBind()
    End Sub
    Protected Sub Button3_Click(sender As Object, e As EventArgs)
        conn.Open()
```

Name: Mansi Prasad

```
        query = "delete from StudentTB where Roll=" & TextBox1.Text &
" "
        Dim cmd As New OleDbCommand(query, conn)
        cmd.ExecuteNonQuery()
        ds.Clear()
        da.Fill(ds, "StudentTB")
        conn.Close()
        FormView1.DataBind()
    End Sub
End Class
```

Output: -

Insert: -

Roll no : 5

Name: Priya Gupta

Address: Bhopal

[Insert] [Update] [Delete]

Roll: 5

Name: Priya Gupta

Address: Bhopal

1 2 3 4 5

Update: -

Roll no : 2

Name: Neha Gupta

Address: Delhi

[Insert] [Update] [Delete]

Roll: 2

Name: Neha Gupta

Address: Delhi

1 2 3 4 5

Delete: -

Roll no : 1

Name: Mansi Prasad

Address: Vapi

[Insert] [Update] [Delete]

Roll: 4

Name: Neha Gupta

Address: Delhi

1 2 3

Name: Mansi Prasad

Assignment-7

Q 1. Create an ASP.NET application that connect with the Access database and perform insert, update and delete operations on database and display the data in listbox control.

Source Code: -

WebForm1.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="WebForm1.aspx.vb"
Inherits="listboxAssignment.WebForm1" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Listbox control</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Label ID="Label1" runat="server" Text="Roll: "></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"
Width="150px"></asp:TextBox><br /><br />
            <asp:Label ID="Label3" runat="server" Text="Address:
"></asp:Label>
            <asp:TextBox ID="TextBox3" runat="server"
Width="140px"></asp:TextBox><br /><br />
            <asp:Button ID="Button1" runat="server" Text="Insert"
OnClick="Button1_Click" Width="100px" />
            <asp:Button ID="Button2" runat="server" Text="Update"
OnClick="Button2_Click" Width="100px" />
            <asp:Button ID="Button3" runat="server" Text="Delete"
OnClick="Button3_Click" Width="100px" /><br /><br />
            <asp:Label ID="Label4" runat="server" Text="Roll no"
Width="110px"></asp:Label>
            <asp:Label ID="Label5" runat="server" Text="Name"
Width="110px"></asp:Label>
            <asp:Label ID="Label6" runat="server" Text="Address"
Width="110px"></asp:Label><br /><br /><br />
            <asp:ListBox ID="ListBox1" runat="server"
DataSourceID="SqlDataSource1" DataTextField="Roll" DataValueField="Roll"
Width="100px"></asp:ListBox><asp:SqlDataSource runat="server"
ID="SqlDataSource1" ConnectionString="<%$ ConnectionStrings:ConnectionString
%>" DeleteCommand="DELETE FROM [StudentTB] WHERE [Roll] = ?"
InsertCommand="INSERT INTO [StudentTB] ([Roll], [Name], [Address]) VALUES (?,
?, ?)" ProviderName="<%$ ConnectionStrings:ConnectionString.ProviderName %>"
SelectCommand="SELECT * FROM [StudentTB]" UpdateCommand="UPDATE [StudentTB]
SET [Name] = ?, [Address] = ? WHERE [Roll] = ?">
                <DeleteParameters>
                    <asp:Parameter Name="Roll" Type="Int32"></asp:Parameter>
                </DeleteParameters>
                <InsertParameters>
                    <asp:Parameter Name="Roll" Type="Int32"></asp:Parameter>
                    <asp:Parameter Name="Name" Type="String"></asp:Parameter>
                    <asp:Parameter Name="Address"
Type="String"></asp:Parameter>
```

Name: Mansi Prasad

```
                        </InsertParameters>
                        <UpdateParameters>
                            <asp:Parameter Name="Name" Type="String"></asp:Parameter>
                            <asp:Parameter Name="Address"
Type="String"></asp:Parameter>
                            <asp:Parameter Name="Roll" Type="Int32"></asp:Parameter>
                        </UpdateParameters>
                </asp:SqlDataSource>
                <asp:ListBox ID="ListBox2" runat="server"
DataSourceID="SqlDataSource1" DataTextField="Name" DataValueField="Name"
Width="110px"></asp:ListBox>
                <asp:ListBox ID="ListBox3" runat="server"
DataSourceID="SqlDataSource1" DataTextField="Address"
DataValueField="Address" Width="110px"></asp:ListBox>
        </div>
    </form>
</body>
</html>
```

WebForm1.aspx.vb

```
Imports System.Data.OleDb
Imports System.Data
Public Class WebForm1
    Inherits System.Web.UI.Page
    Dim conn As New
OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\mansi\OneDrive\문서\StuddDB.mdb")
    Dim ds As New DataSet
    Dim da As New OleDbDataAdapter("select * from StudentTB", conn)
    Dim cmd As New OleDbCommand()
    Dim query As String
    Dim table As New DataTable
    Public Sub op()
        conn.Open()
        ListBox1.Items.Clear()
        ListBox2.Items.Clear()
        ListBox3.Items.Clear()
        da.Fill(table)
        For Each row In table.Rows
            ListBox1.Items.Add(row(0))
            ListBox2.Items.Add(row(1))
            ListBox3.Items.Add(row(2))
            conn.Close()
        Next
    End Sub
    Protected Sub Button1_Click(sender As Object, e As EventArgs)
        ListBox1.Items.Add(TextBox1.Text)
        ListBox2.Items.Add(TextBox2.Text)
        ListBox3.Items.Add(TextBox3.Text)
        conn.Open()
        query = "insert into StudentTB(Roll,Name,Address) values(" &
TextBox1.Text & ",'" & TextBox2.Text & "','" & TextBox3.Text & "')"
        Dim cmd As New OleDbCommand(query, conn)
        cmd.ExecuteNonQuery()
        ds.Clear()
```

```
            da.Fill(ds, "StudentTB")
            conn.Close()
            op()
    End Sub
    Protected Sub Button2_Click(sender As Object, e As EventArgs)
            conn.Open()
            query = "update StudentTB set Name='" & TextBox2.Text & "',
Address='" & TextBox3.Text & "' where Roll=" & TextBox1.Text & " "
            Dim cmd As New OleDbCommand(query, conn)
            cmd.ExecuteNonQuery()
            ListBox1.Items.Add(TextBox1.Text)
            ListBox2.Items.Add(TextBox2.Text)
            ListBox3.Items.Add(TextBox3.Text)
            ds.Clear()
            da.Fill(ds, "StudentTB")
            conn.Close()
            op()
    End Sub
    Protected Sub Button3_Click(sender As Object, e As EventArgs)
            conn.Open()
            query = "delete from StudentTB where Roll=" & TextBox1.Text &
" "
            Dim cmd As New OleDbCommand(query, conn)
            cmd.ExecuteNonQuery()
            ListBox1.Items.Add(TextBox1.Text)
            ListBox2.Items.Add(TextBox2.Text)
            ListBox3.Items.Add(TextBox3.Text)
            ds.Clear()
            da.Fill(ds, "StudentTB")
            conn.Close()
            op()
    End Sub
End Class
```

Output: -

Insert: -

Roll: 3

Name: Rakesh Gupta

Address: Siwan

| Insert | Update | Delete |

Roll no	Name	Address
1	Mansi Prasad	Chennai
2	Archna Sharma	Siwan
3	Rakesh Gupta	Siwan
4	Neha Gupta	Delhi

Update: -

Roll: 1

Name: Mansi Gupta

Address: Banglore

| Insert | Update | Delete |

Roll no
1	Mansi Gupta	Banglore
2	Archna Sharma	Siwan
3	Rakesh Gupta	Siwan
4	Neha Gupta	Delhi

Delete: -

Roll: 2

Name: Archna Sharma

Address: Siwan

| Insert | Update | Delete |

Roll no
1	Mansi Gupta	Banglore
3	Rakesh Gupta	Siwan
4	Neha Gupta	Delhi
5	Priya Gupta	Bhopal