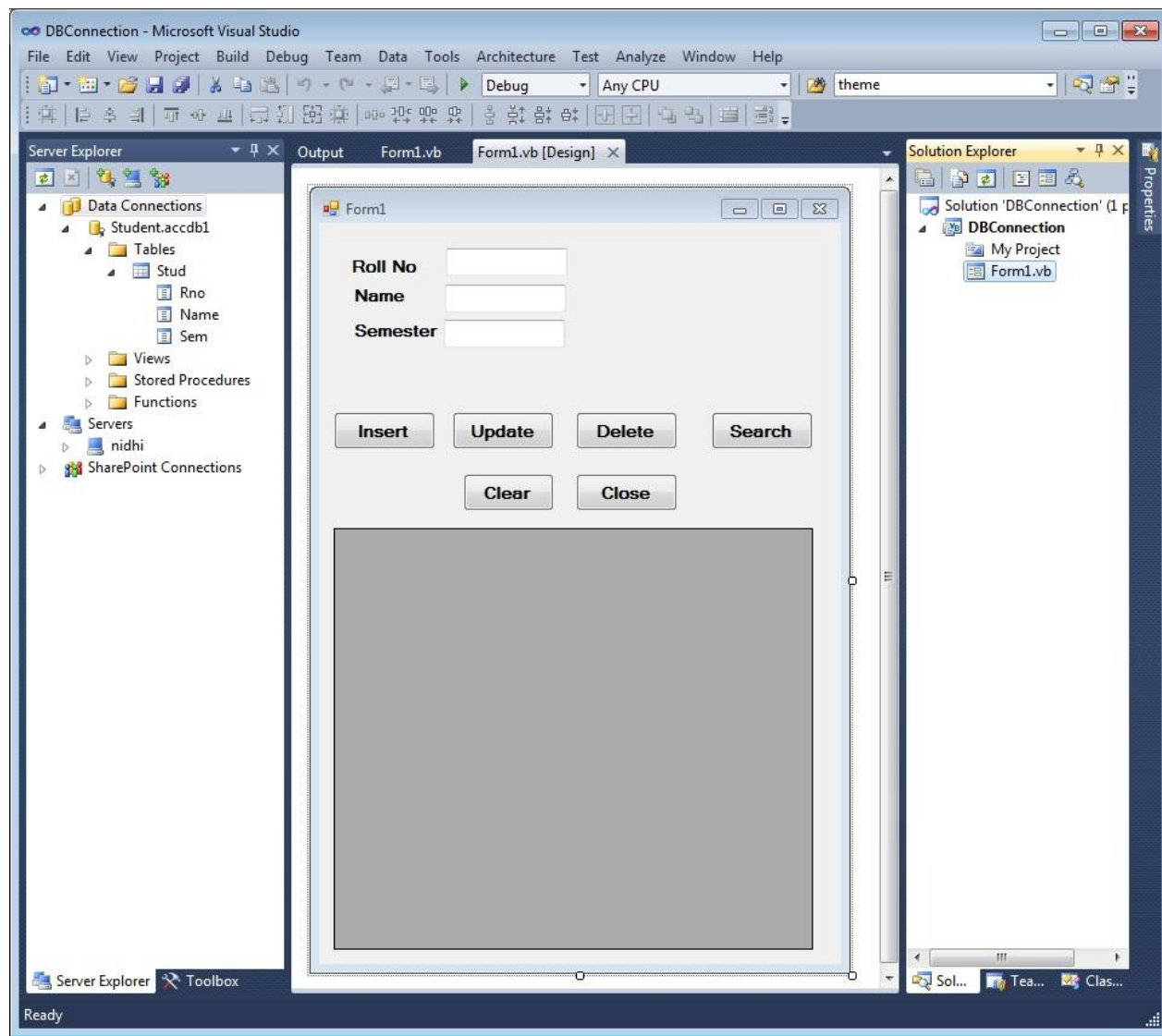## ADO.NET Connection Module

```vb
Imports System.Data.OleDb
'Object Linking and Embedding Database

Public Class Form1
    Dim cn As New OleDbConnection
    Dim cmd As OleDbCommand
    Dim dr As OleDbDataReader
    Dim adp As New OleDbDataAdapter
    Dim ds As New DataSet

    Public Sub display()
        ds.Clear()
        adp = New OleDbDataAdapter("select * from stud", cn)
        adp.Fill(ds)
        DataGridView1.DataSource = ds.Tables(0)
    End Sub

    Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

        cn.ConnectionString = "Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\nidhidesai\Documents\Visual Studio 2010\Projects\0 ND NET Programs\DBConnection\Student.accdb"

        cn.Open()
        display()
        cn.Close()

    End Sub




    Private Sub btnInsert_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnInsert.Click
        Try
            cn.Open()
            cmd = New OleDbCommand("insert into Stud values(" & txtRollNo.Text & ",'" & txtName.Text & "'," & txtSem.Text & ") ", cn)
            cmd.ExecuteNonQuery()
            MsgBox("Record Inserted")
            display()
        Catch ex As Exception
            MsgBox("Insert Details")
        End Try
        cn.Close()

    End Sub
```

```vbnet
Private Sub btnUpdate_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btnUpdate.Click
        Try
            cn.Open()
            cmd = New OleDbCommand("update  Stud set Name='" & txtName.Text & "' , Sem=" &
txtSem.Text & " where Rno=" & txtRollNo.Text & "", cn)
            cmd.ExecuteNonQuery()
            MsgBox("Record Updated")
            display()
        Catch ex As Exception
            MsgBox("Update Details")
        End Try
        cn.Close()

    End Sub


Private Sub btnDelete_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btnDelete.Click
        Try
            cn.Open()
            cmd = New OleDbCommand("delete from Stud where Rno=" & txtRollNo.Text & "", cn)
            cmd.ExecuteNonQuery()
            MsgBox("Record Deleted")
            display()
        Catch ex As Exception
            MsgBox("Delete Details")
        End Try
        cn.Close()

    End Sub


Private Sub btnSearch_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btnSearch.Click
        Try
            cn.Open()
            cmd = New OleDbCommand("select * from Stud where Rno=" & txtRollNo.Text & "",
cn)
            dr = cmd.ExecuteReader()

            While dr.Read()
                txtName.Text = dr.Item(1)
                txtSem.Text = dr.Item(2)
            End While
        Catch ex As Exception
            MsgBox(ex.ToString, , "Record Not Found")
        End Try
        cn.Close()

    End Sub
```

```vbnet
Private Sub btnClear_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btnClear.Click
        txtRollNo.Clear()
        txtName.Clear()
        txtSem.Clear()
    End Sub

    Private Sub btnClose_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btnClose.Click
        Me.Close()
    End Sub
End Class
```