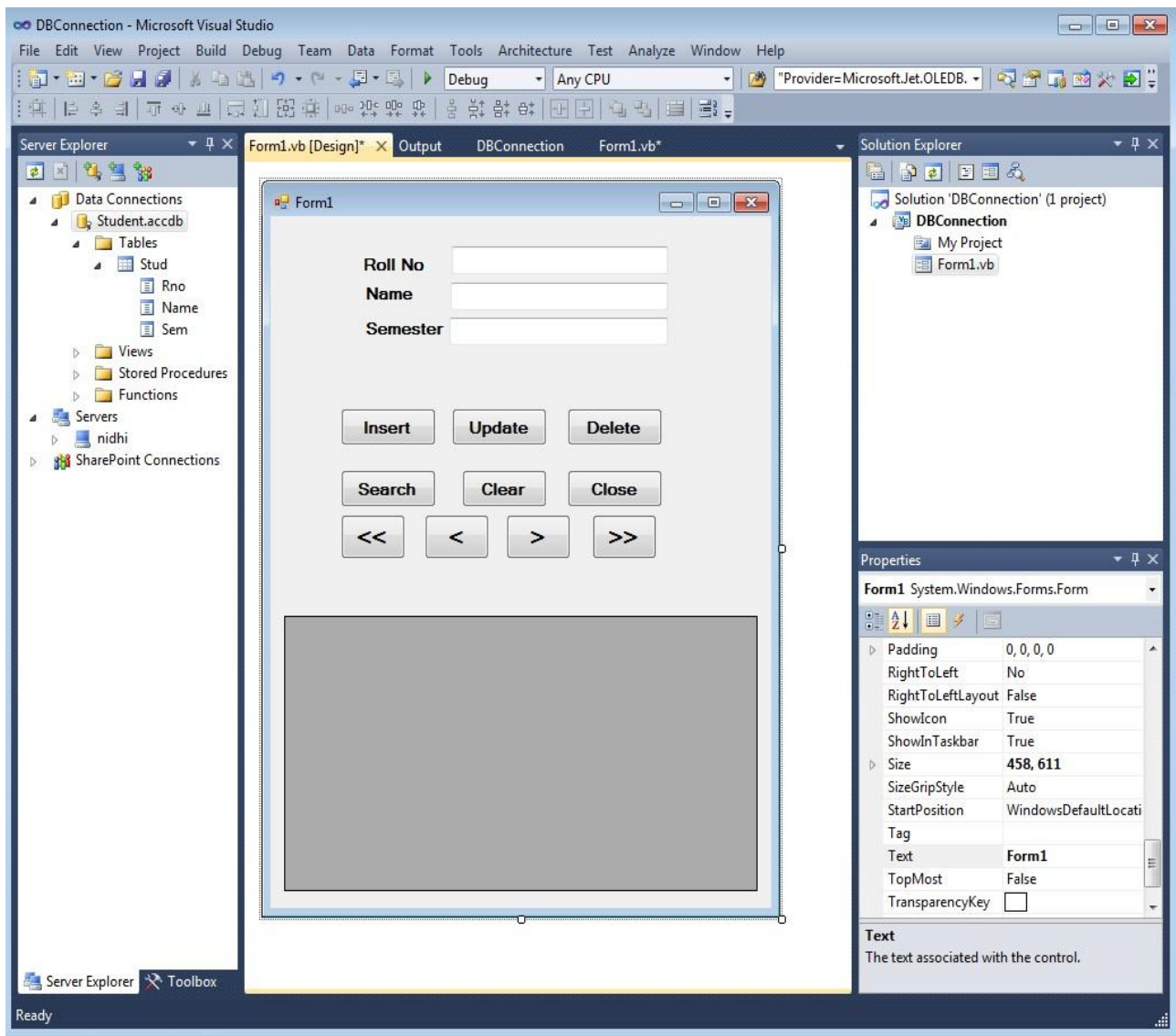


ADO.NET Connection Module with Move Operations



```
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
    Dim no As Integer
    Dim drow As DataRow
```

```
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;DataSource=
C:\Users\nidhidesai\Documents\Visual Studio 2010\Projects\0 ND NET
Programs\DBConnection\Student.accdb"
```

```
    cn.Open()
    no = 0
    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
```

```
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
```

```

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

Sub showdata()

    drow = ds.Tables(0).Rows(no)

    txtRollNo.Text = drow.Item(0)
    txtName.Text = drow.Item(1)
    txtSem.Text = drow.Item(2)

End Sub

Private Sub btnFirst_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btnFirst.Click

    no = 0
    showdata()
    display()

End Sub

Private Sub btnPrevious_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btnPrevious.Click

    no = no - 1

    If no < 0 Then
        no = ds.Tables(0).Rows.Count - 1
    End If
    showdata()
    display()

End Sub

Private Sub btnnext_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnnext.Click

    no = no + 1
    If no > ds.Tables(0).Rows.Count - 1 Then
        no = 0
    End If
    showdata()
    display()

End Sub

```

```
Private Sub btnLast_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles  
btnLast.Click
```

```
    no = ds.Tables(0).Rows.Count - 1  
    showdata()  
    display()
```

```
End Sub
```

```
Private Sub DataGridView1_CellContentClick(ByVal sender As System.Object, ByVal e As  
System.Windows.Forms.DataGridViewCellEventArgs) Handles DataGridView1.CellContentClick
```

```
    Dim i As Integer  
    i = DataGridView1.CurrentRow.Index  
  
    txtRollNo.Text = DataGridView1.Item(0, i).Value  
    txtName.Text = DataGridView1.Item(1, i).Value  
    txtSem.Text = DataGridView1.Item(2, i).Value
```

```
End Sub
```

```
End Class
```