

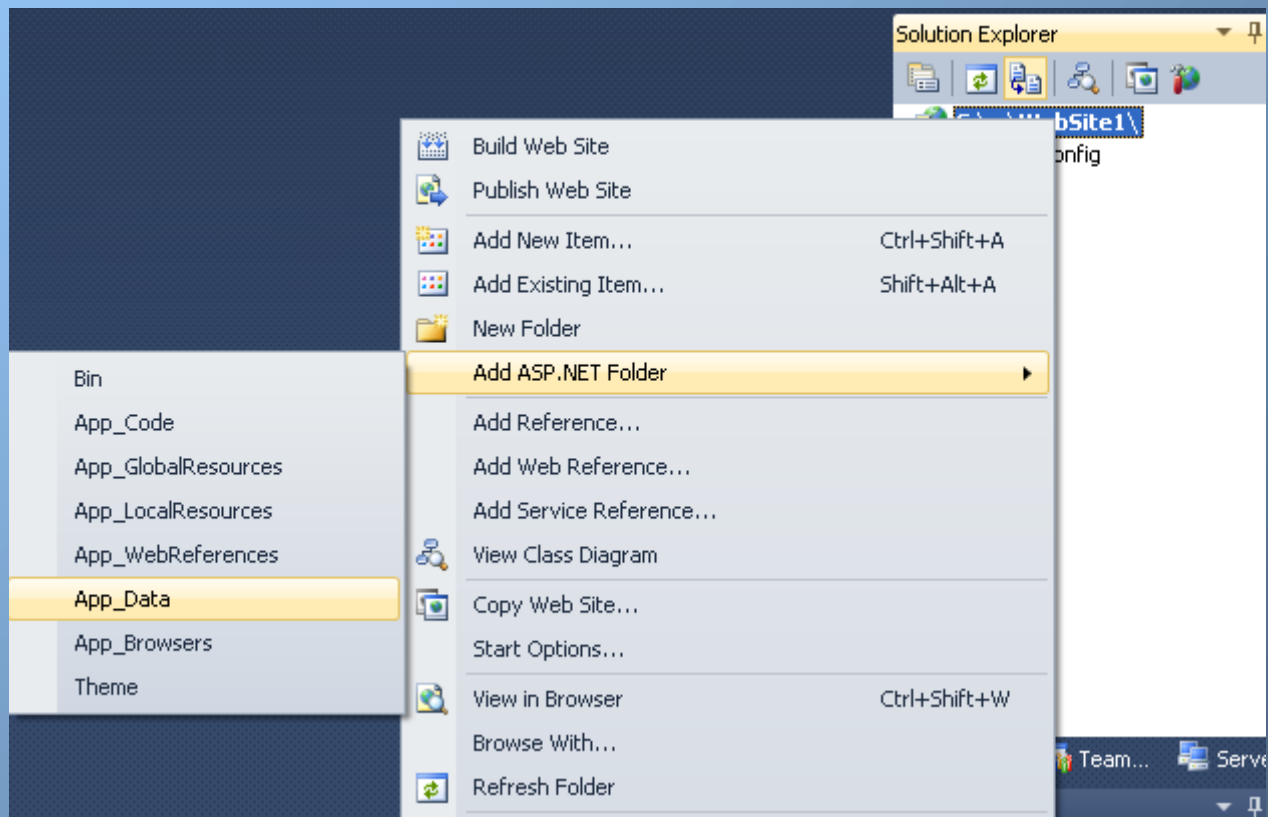
Creating Data Base & Sql Code

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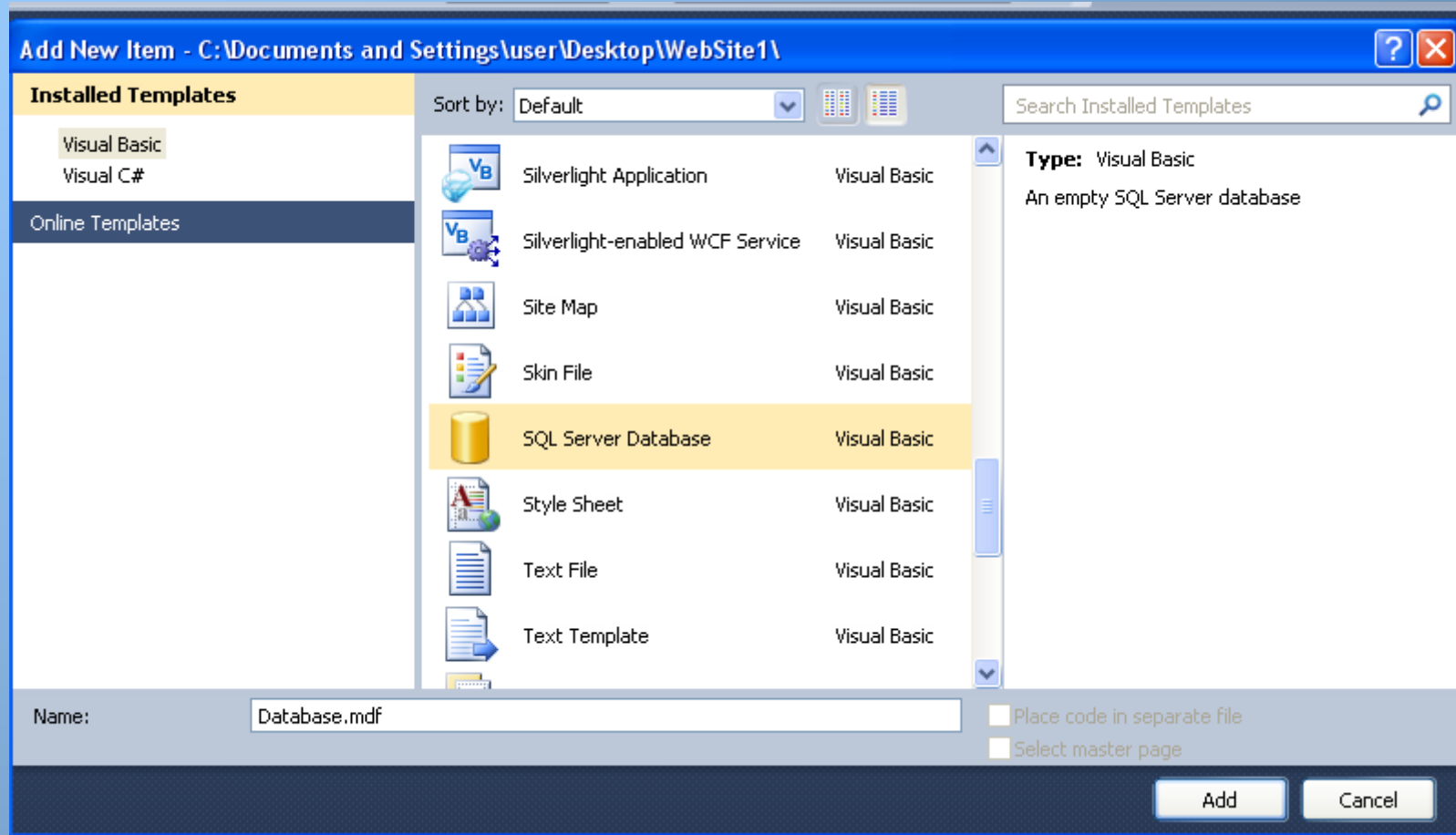
First, Add an App_Data folder.

To add the new folder to your project:

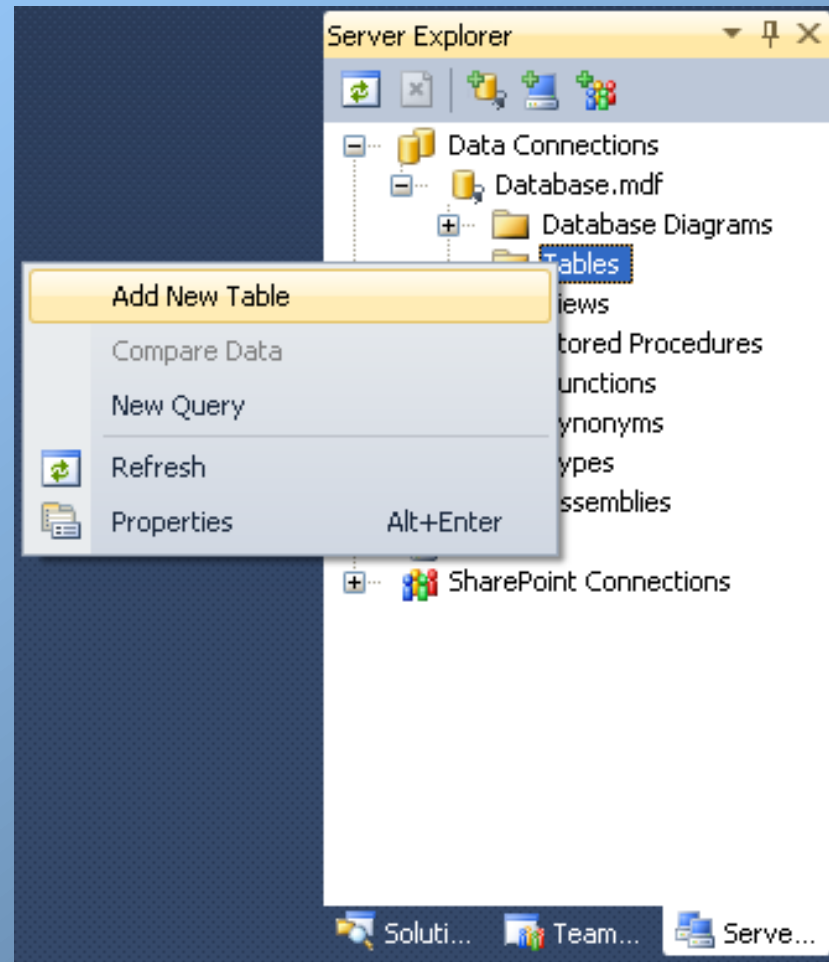
- right click the project entry in Solution Explorer.
- choose Add ASP.NET Folder from the context menu.
- You'll see a App_Data folder added to the display.



Then, Right-click and choose Add New Item. A dialog box will appear, select SQL Server Database. Type a name for the database.



Click on View, and select Server Explorer window. Double-click on your database then all files which are stored in this database will appear. Right-click on Table folder and choose Add New Table.



Create the fields you desire and choose their data types. Don't forget to save your table. For example, create 2 fields "StudentID" and "StudentName".

The screenshot displays the Microsoft Visual Studio interface for designing a SQL Server table. The main window shows a table with two columns:

Column Name	Data Type	Allow Nulls
StudentName	nchar(20)	<input checked="" type="checkbox"/>
StudentID	nchar(10)	<input checked="" type="checkbox"/>

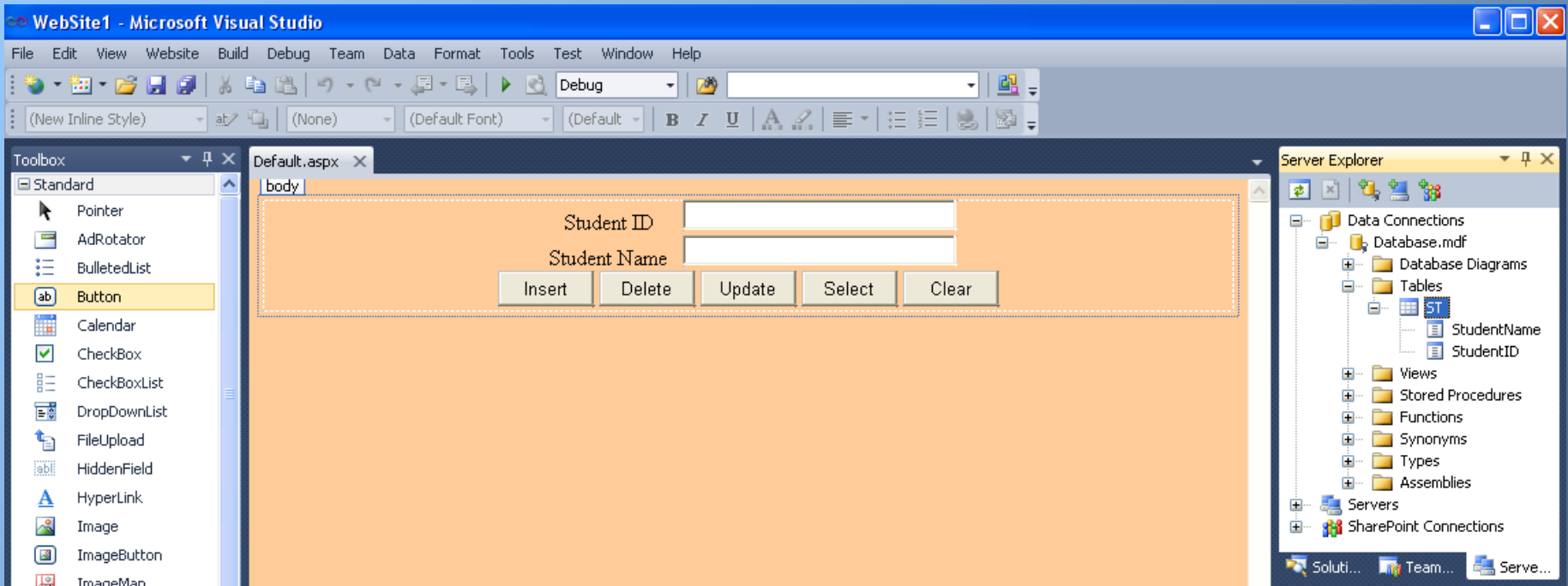
The Column Properties window for the selected 'StudentID' column shows the following details:

Property	Value
(Name)	StudentID
Allow Nulls	Yes
Data Type	nchar
Default Value or Binding	
Length	10

The Properties window on the right shows the table's identity settings:

Property	Value
(Name)	Table1
Database Name	C:\DOCUMENTS A...
Description	
Schema	dbo
Server Name	your-dcd32c6459'

Add two textboxes and 5 buttons to deal with the database.



The codes

Insert Code:

```
Default.aspx.vb X Default.aspx
Button1 Click
Imports System.Data.SqlClient
Partial Class _Default
    Inherits System.Web.UI.Page

    Protected Sub Button1_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button1.Click
        Dim A As Integer
        Dim connection As New SqlConnection _
            ("Data Source=.\SQLEXPRESS;AttachDbFilename=|DataDirectory|\Database.mdf;Integrated Security=True;User Instance=True")
        Dim command As New SqlCommand _
            ("insert into ST(StudentID,StudentName) values ('" & TextBox1.Text & "', '" & TextBox2.Text & "')", connection)

        connection.Open()
        If connection.State = Data.ConnectionState.Open Then
            Try
                A = command.ExecuteNonQuery()
                Label3.Text = A & " record(s) is added..."
                connection.Close()
            Catch ex As Exception
                Label3.Text = ex.Message
            End Try
        End If
    End Sub
```

Delete Code:

```
Default.aspx.vb x Default.aspx
Button1 Click
Protected Sub Button2_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button2.Click
    Dim A As Integer
    Dim connection As New SqlConnection _
("Data Source=.\SQLEXPRESS;AttachDbFilename=|DataDirectory|\Database.mdf;Integrated Security=True;User Instance=True")
    Dim command As New SqlCommand _
("delete from ST where StudentID='" & TextBox1.Text & "'", connection)

    connection.Open()
    If connection.State = Data.ConnectionState.Open Then
        Try
            A = command.ExecuteNonQuery()
            Label13.Text = A & " record(s) is deleted..."
            connection.Close()
        Catch ex As Exception
            Label13.Text = ex.Message
        End Try
    End If
End Sub
```


Update Code:

```
Default.aspx.vb* X Default.aspx
Button3 Click
Protected Sub Button3_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button3.Click
    Dim A As Integer
    Dim connection As New SqlConnection _
    ("Data Source=.\SQLEXPRESS;AttachDbFilename=|DataDirectory|\Database.mdf;Integrated Security=True;User Instance=True")
    Dim command As New SqlCommand _
    ("update ST set StudentName='" & TextBox2.Text & "' where StudentID='" & TextBox1.Text & "'", connection)

    connection.Open()
    If connection.State = Data.ConnectionState.Open Then
        Try
            A = command.ExecuteNonQuery()
            Label13.Text = A & " record(s) is updated..."
            connection.Close()
        Catch ex As Exception
            Label13.Text = ex.Message
        End Try
    End If
End Sub
```

Select code:

```
Default.aspx.vb* X Default.aspx
Button4 Click
Protected Sub Button4_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button4.Click
    Dim flag As Boolean = False
    Dim Datareaderobj As SqlDataReader
    Dim connection As New SqlConnection _
    ("Data Source=.\SQLEXPRESS;AttachDbFilename=|DataDirectory|\Database.mdf;Integrated Security=True;User Instance=True")
    Dim command As New SqlCommand _
    ("select * from ST where StudentID='" & TextBox1.Text & "'", connection)

    connection.Open()
    If connection.State = Data.ConnectionState.Open Then
        Try
            Datareaderobj = command.ExecuteReader
            Do While Datareaderobj.Read
                flag = True
                TextBox1.Text = Datareaderobj.GetString(1)
                TextBox2.Text = Datareaderobj.GetString(0)
            Loop
            connection.Close()
        Catch ex As Exception
            Label13.Text = ex.Message
        End Try
    End If
    If flag = False Then
        Label13.Text = "No student with this ID"
    End If
End Sub
```