# Creating Data Base & Sql Code



## 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.

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	::: ::: :::	Add New Item Add Existing Item New Folder	Ctrl+Shift+A Shift+Alt+A	
Bin		Add ASP.NET Folder	•	
App_Code		Add Reference		
App_GlobalResources		Add Web Reference		
App_LocalResources		Add Service Reference		
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	\$	Refresh Folder		трони – Д

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

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Online Templates		VB	Silverlight-enabled WCF Service	Visual Basic			
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		•	Skin File	Visual Basic			
			SQL Server Database	Visual Basic			
		A	Style Sheet	Visual Basic			
			Text File	Visual Basic			
			Text Template	Visual Basic	~		
Name:	Database.mdf					Place code in separate file	
						Select master page	
						Add Ca	ancel

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".

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onto this text to add it to the toolbox.							
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## Add two textboxes and 5 buttons to deal with the database.

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## The codes

### Insert Code:

Default.aspx	vb 🗙 Default.aspx
🔗 Buttor	1 - F Click
Impo	rts System.Data.SqlClient
⊡ Part	ial Class _Default
	Inherits System.Web.UI.Page
("De	<pre>Protected Sub Button1_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button1.Click     pim A As Integer     Dim connection As New SqlConnection _ ta Source=.\SQLEXPRESS;AttachDbFilename= DataDirectory \Database.mdf;Integrated Security=True;User Instance=True")     Dim command As New SqlCommand _     ("insert into ST(StudentID,StudentName) values ('" &amp; TextBox1.Text &amp; "','" &amp; TextBox2.Text &amp; "')", connection)</pre>
	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 If
	End Sub

#### Delete Code:

Default	.aspx.vb	<mark>×</mark> Default.aspx
- <del>?</del> ?	Button1	✓ <sup>✓</sup> Click
	Pro	<pre>betected Sub Button2_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button2.Click Dim A As Integer Dim connection As New SqlConnection _ Source=.\SQLEXPRESS;AttachDbFilename= DataDirectory \Database.mdf;Integrated Security=True;User Instance=True") Dim command As New SqlCommand _ ("delete from ST where StudentID='" &amp; TextBox1.Text &amp; "'", connection) connection.Open() If connection.State = Data.ConnectionState.Open Then Try</pre>
		End Try
		End If
	End	i Sub

#### Update Code:

```
Default.aspx.vb* 🗙 Default.aspx
                                                                 - 🗲 Click
  🛷 Button 3 -
        Protected Sub Button3 Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button3.Click
   Ė
            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()
                     Label3.Text = A & " record(s) is updated..."
                     connection.Close()
                Catch ex As Exception
                     Label3.Text = ex.Message
                End Try
            End If
        End Sub
```

#### Select code:

```
Default.aspx.vb* ×
             Default.aspx
  Button4
                                                                 🖌 🗲 Click
  Ė
        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
                    Label3.Text = ex.Message
                End Try
            End If
            If flag = False Then
                Label3.Text = "No student with this ID"
            End If
        End Sub
```