

VB.NET - EXCEL SHEET

http://www.tutorialspoint.com/vb.net/vb.net_excel_sheet.htm

Copyright © tutorialspoint.com

VB.Net provides support for interoperability between the COM object model of Microsoft Excel 2010 and your application.

To avail this interoperability in your application, you need to import the namespace **Microsoft.Office.Interop.Excel** in your Windows Form Application.

Creating an Excel Application from VB.Net

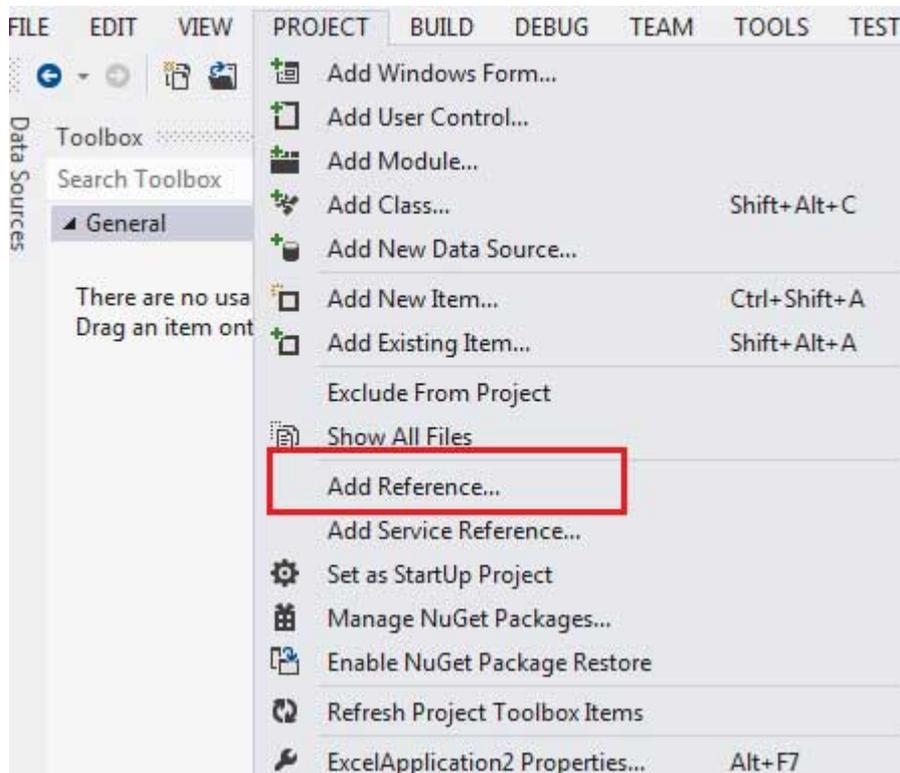
Let's start with creating a Window Forms Application by following the following steps in Microsoft Visual Studio: **File -> New Project -> Windows Forms Applications**

Finally, select OK, Microsoft Visual Studio creates your project and displays following **Form1**.

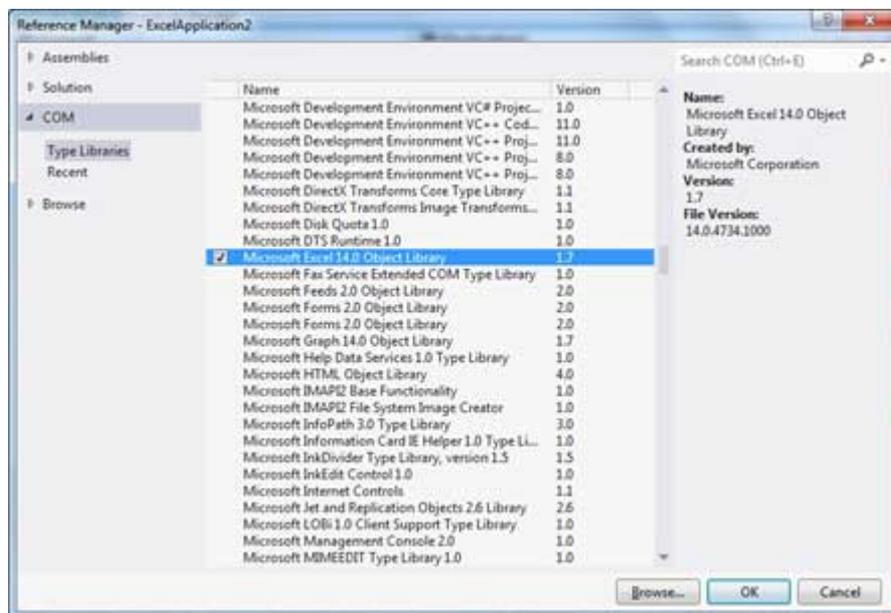
Insert a Button control Button1 in the form.

Add a reference to Microsoft Excel Object Library to your project. To do this:

- Select Add Reference from the Project Menu.



- On the COM tab, locate Microsoft Excel Object Library and then click Select.



- Click OK.

Double click the code window and populate the Click event of Button1, as shown below.

```
' Add the following code snippet on top of Form1.vb
Imports Excel = Microsoft.Office.Interop.Excel
Public Class Form1
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        Dim appXL As Excel.Application
        Dim wbXl As Excel.Workbook
        Dim shXL As Excel.Worksheet
        Dim raXL As Excel.Range
        ' Start Excel and get Application object.
        appXL = CreateObject("Excel.Application")
        appXL.Visible = True
        ' Add a new workbook.
        wbXl = appXL.Workbooks.Add
        shXL = wbXl.ActiveSheet
        ' Add table headers going cell by cell.
        shXL.Cells(1, 1).Value = "First Name"
        shXL.Cells(1, 2).Value = "Last Name"
        shXL.Cells(1, 3).Value = "Full Name"
        shXL.Cells(1, 4).Value = "Specialization"
        ' Format A1:D1 as bold, vertical alignment = center.
        With shXL.Range("A1", "D1")
            .Font.Bold = True
            .VerticalAlignment = Excel.XlVAlign.xlVAlignCenter
        End With
        ' Create an array to set multiple values at once.
        Dim students(5, 2) As String
        students(0, 0) = "Zara"
        students(0, 1) = "Ali"
        students(1, 0) = "Nuha"
        students(1, 1) = "Ali"
        students(2, 0) = "Arilia"
        students(2, 1) = "RamKumar"
        students(3, 0) = "Rita"
        students(3, 1) = "Jones"
        students(4, 0) = "Umme"
        students(4, 1) = "Ayman"
        ' Fill A2:B6 with an array of values (First and Last Names).
        shXL.Range("A2", "B6").Value = students
        ' Fill C2:C6 with a relative formula (=A2 & " " & B2).
        raXL = shXL.Range("C2", "C6")
        raXL.Formula = "=A2 & " " " & B2"
        ' Fill D2:D6 values.
        With shXL
            .Cells(2, 4).Value = "Biology"
        End With
    End Sub
End Class
```

