

calculations and spreadsheet as database with spreadsheet sdk in VB.NET with ByteScout Data Extraction Suite

Learn to code calculations and spreadsheet as database with spreadsheet sdk in VB.NET: How-To tutorial

Easy to understand coding instructions are written to assist you to try-out the features without the requirement to write your own code. ByteScout Data Extraction Suite was made to help with calculations and spreadsheet as database with spreadsheet sdk in VB.NET. ByteScout Data Extraction Suite is the set that includes 3 SDK products for data extraction from PDF, scans, images and from spreadsheets: PDF Extractor SDK, Data Extraction SDK, Barcode Reader SDK.

If you want to quickly learn then these fast application programming interfaces of ByteScout Data Extraction Suite for VB.NET plus the guideline and the VB.NET code below will help you quickly learn calculations and spreadsheet as database with spreadsheet sdk. Just copy and paste this VB.NET sample code to your VB.NET application's code editor, add a reference to ByteScout Data Extraction Suite (if you haven't added yet) and you are ready to go! Enjoy writing a code with ready-to-use sample VB.NET codes to implement calculations and spreadsheet as database with spreadsheet sdk using ByteScout Data Extraction Suite.

Our website gives free trial version of ByteScout Data Extraction Suite. It includes all these source code samples with the purpose to assist you with your VB.NET application implementation.

FOR MORE INFORMATION AND FREE TRIAL:

[Download Free Trial SDK \(on-premise version\)](#)

[Read more about ByteScout Data Extraction Suite](#)

[Explore API Documentation](#)

[Get Free Training for ByteScout Data Extraction Suite](#)

[Get Free API key for Web API](#)

[visit www.Bytescout.com](http://www.Bytescout.com)

Source Code Files:

Form1.Designer.vb

```
<Global.Microsoft.VisualBasic.CompilerServices.DesignerGenerated()> _
Partial Class Form1
    Inherits System.Windows.Forms.Form

    'Form overrides dispose to clean up the component list.
    <System.Diagnostics.DebuggerNonUserCode()> _
    Protected Overrides Sub Dispose(ByVal disposing As Boolean)
        If disposing AndAlso components IsNot Nothing Then
            components.Dispose()
        End If
        MyBase.Dispose(disposing)
    End Sub

    'Required by the Windows Form Designer
    Private components As System.ComponentModel.IContainer

    'NOTE: The following procedure is required by the Windows Form Designer
    'It can be modified using the Windows Form Designer.
    'Do not modify it using the code editor.
    <System.Diagnostics.DebuggerStepThrough()> _
    Private Sub InitializeComponent()
        Dim resources As System.ComponentModel.ComponentResourceManager = New System.C
        Me.GroupBox1 = New System.Windows.Forms.GroupBox
        Me.Button4 = New System.Windows.Forms.Button
        Me.TextBox4 = New System.Windows.Forms.TextBox
        Me.Label3 = New System.Windows.Forms.Label
        Me.TextBox3 = New System.Windows.Forms.TextBox
        Me.Label4 = New System.Windows.Forms.Label
        Me.TextBox2 = New System.Windows.Forms.TextBox
        Me.Label2 = New System.Windows.Forms.Label
        Me.TextBox1 = New System.Windows.Forms.TextBox
        Me.Label1 = New System.Windows.Forms.Label
        Me.Button1 = New System.Windows.Forms.Button
        Me.Button2 = New System.Windows.Forms.Button
        Me.Button3 = New System.Windows.Forms.Button
        Me.Label5 = New System.Windows.Forms.Label
        Me.GroupBox1.SuspendLayout()
        Me.SuspendLayout()
        '
        'GroupBox1
        '
        Me.GroupBox1.Controls.Add(Me.Button4)
        Me.GroupBox1.Controls.Add(Me.TextBox4)
        Me.GroupBox1.Controls.Add(Me.Label3)
        Me.GroupBox1.Controls.Add(Me.TextBox3)
        Me.GroupBox1.Controls.Add(Me.Label4)
        Me.GroupBox1.Controls.Add(Me.TextBox2)
        Me.GroupBox1.Controls.Add(Me.Label2)
        Me.GroupBox1.Controls.Add(Me.TextBox1)
        Me.GroupBox1.Controls.Add(Me.Label1)
        Me.GroupBox1.Location = New System.Drawing.Point(12, 6)
        Me.GroupBox1.Name = "GroupBox1"
```

```
Me.GroupBox1.Size = New System.Drawing.Size(166, 212)
Me.GroupBox1.TabIndex = 0
Me.GroupBox1.TabStop = False
'
'Button4
'
Me.Button4.Font = New System.Drawing.Font("Microsoft Sans Serif", 8.25!, System
Me.Button4.Location = New System.Drawing.Point(9, 175)
Me.Button4.Name = "Button4"
Me.Button4.Size = New System.Drawing.Size(135, 23)
Me.Button4.TabIndex = 14
Me.Button4.Text = "Recalculate"
Me.Button4.UseVisualStyleBackColor = True
'
'TextBox4
'
Me.TextBox4.Location = New System.Drawing.Point(9, 149)
Me.TextBox4.Name = "TextBox4"
Me.TextBox4.Size = New System.Drawing.Size(135, 20)
Me.TextBox4.TabIndex = 13
'
'Label3
'
Me.Label3.AutoSize = True
Me.Label3.Location = New System.Drawing.Point(6, 94)
Me.Label3.Name = "Label3"
Me.Label3.Size = New System.Drawing.Size(39, 13)
Me.Label3.TabIndex = 12
Me.Label3.Text = "Label3"
'
'TextBox3
'
Me.TextBox3.Location = New System.Drawing.Point(9, 110)
Me.TextBox3.Name = "TextBox3"
Me.TextBox3.Size = New System.Drawing.Size(135, 20)
Me.TextBox3.TabIndex = 11
'
'Label4
'
Me.Label4.AutoSize = True
Me.Label4.Location = New System.Drawing.Point(6, 133)
Me.Label4.Name = "Label4"
Me.Label4.Size = New System.Drawing.Size(39, 13)
Me.Label4.TabIndex = 10
Me.Label4.Text = "Label4"
'
'TextBox2
'
Me.TextBox2.Location = New System.Drawing.Point(9, 71)
Me.TextBox2.Name = "TextBox2"
Me.TextBox2.Size = New System.Drawing.Size(135, 20)
Me.TextBox2.TabIndex = 9
'
'Label2
'
Me.Label2.AutoSize = True
Me.Label2.Location = New System.Drawing.Point(6, 55)
Me.Label2.Name = "Label2"
Me.Label2.Size = New System.Drawing.Size(39, 13)
Me.Label2.TabIndex = 8
```

```

Me.Label2.Text = "Label2"
'
' TextBox1
'
Me.TextBox1.Location = New System.Drawing.Point(9, 32)
Me.TextBox1.Name = "TextBox1"
Me.TextBox1.Size = New System.Drawing.Size(135, 20)
Me.TextBox1.TabIndex = 7
'
' Label1
'
Me.Label1.AutoSize = True
Me.Label1.Location = New System.Drawing.Point(6, 16)
Me.Label1.Name = "Label1"
Me.Label1.Size = New System.Drawing.Size(39, 13)
Me.Label1.TabIndex = 6
Me.Label1.Text = "Label1"
'
' Button1
'
Me.Button1.Location = New System.Drawing.Point(184, 12)
Me.Button1.Name = "Button1"
Me.Button1.Size = New System.Drawing.Size(100, 23)
Me.Button1.TabIndex = 1
Me.Button1.Text = "Load from XLS"
Me.Button1.UseVisualStyleBackColor = True
'
' Button2
'
Me.Button2.Location = New System.Drawing.Point(184, 41)
Me.Button2.Name = "Button2"
Me.Button2.Size = New System.Drawing.Size(100, 23)
Me.Button2.TabIndex = 2
Me.Button2.Text = "Save to XLS"
Me.Button2.UseVisualStyleBackColor = True
'
' Button3
'
Me.Button3.Location = New System.Drawing.Point(184, 70)
Me.Button3.Name = "Button3"
Me.Button3.Size = New System.Drawing.Size(100, 23)
Me.Button3.TabIndex = 3
Me.Button3.Text = "View in Excel"
Me.Button3.UseVisualStyleBackColor = True
'
' Label5
'
Me.Label5.Location = New System.Drawing.Point(9, 236)
Me.Label5.Name = "Label5"
Me.Label5.Size = New System.Drawing.Size(275, 113)
Me.Label5.TabIndex = 4
Me.Label5.Text = resources.GetString("Label5.Text")
'
' Form1
'
Me.AutoScaleDimensions = New System.Drawing.SizeF(6.0!, 13.0!)
Me.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font
Me.ClientSize = New System.Drawing.Size(294, 372)
Me.Controls.Add(Me.Label5)
Me.Controls.Add(Me.Button3)

```

```
Me.Controls.Add(Me.Button2)
Me.Controls.Add(Me.Button1)
Me.Controls.Add(Me.GroupBox1)
Me.FormBorderStyle = System.Windows.Forms.FormBorderStyle.FixedToolWindow
Me.Name = "Form1"
Me.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen
Me.Text = "Simple Database"
Me.GroupBox1.ResumeLayout(False)
Me.GroupBox1.PerformLayout()
Me.ResumeLayout(False)
```

End Sub

```
Friend WithEvents GroupBox1 As System.Windows.Forms.GroupBox
Friend WithEvents TextBox3 As System.Windows.Forms.TextBox
Friend WithEvents Label4 As System.Windows.Forms.Label
Friend WithEvents TextBox2 As System.Windows.Forms.TextBox
Friend WithEvents Label2 As System.Windows.Forms.Label
Friend WithEvents TextBox1 As System.Windows.Forms.TextBox
Friend WithEvents Label1 As System.Windows.Forms.Label
Friend WithEvents TextBox4 As System.Windows.Forms.TextBox
Friend WithEvents Label3 As System.Windows.Forms.Label
Friend WithEvents Button4 As System.Windows.Forms.Button
Friend WithEvents Button1 As System.Windows.Forms.Button
Friend WithEvents Button2 As System.Windows.Forms.Button
Friend WithEvents Button3 As System.Windows.Forms.Button
Friend WithEvents Label5 As System.Windows.Forms.Label
```

End Class

Form1.vb

```
Imports Bytescout.Spreadsheet
Imports System.Diagnostics

Public Class Form1
    Dim _spreadsheet As Spreadsheet
    Private Sub LoadXLS()
        Dim worksheet As Worksheet
        _spreadsheet = New Spreadsheet()
        _spreadsheet.LoadFromFile("Database.xls")

        worksheet = _spreadsheet.WorkBook.Worksheets(0)
        Label1.Text = worksheet.Cell("A1").Value
        TextBox1.Text = worksheet.Cell("A2").Value

        Label2.Text = worksheet.Cell("B1").Value
        TextBox2.Text = worksheet.Cell("B2").Value

        Label3.Text = worksheet.Cell("C1").Value
        TextBox3.Text = worksheet.Cell("C2").Formula
    End Sub
End Class
```

```

Label4.Text = "Calculated value of C2"
worksheet.Cell("C2").Calculate()
TextBox4.Text = worksheet.Cell("C2").Value
End Sub

Private Sub SaveXLS()
Dim worksheet As Worksheet

worksheet = _spreadsheet.WorkBook.Worksheets(0)

worksheet.Cell("A2").Value = System.Convert.ToInt32(TextBox1.Text)
worksheet.Cell("B2").Value = System.Convert.ToInt32(TextBox2.Text)
worksheet.Cell("C2").Formula = TextBox3.Text

Try
    System.IO.File.Delete("Database.xls")
Catch ex As Exception
End Try

_spreadsheet.SaveAs("Database.xls")
End Sub

Private Sub Form1_FormClosing(ByVal sender As System.Object, ByVal e As System.Windows.FormClosingEventArgs)
SaveXLS()

_spreadsheet.Close()
End Sub

Private Sub ReCalculate()
Dim worksheet As Worksheet

worksheet = _spreadsheet.Workbook.Worksheets(0)

worksheet.Cell("A2").Value = System.Convert.ToInt32(TextBox1.Text)
worksheet.Cell("B2").Value = System.Convert.ToInt32(TextBox2.Text)
worksheet.Cell("C2").Formula = TextBox3.Text
worksheet.Cell("C2").Calculate()
TextBox4.Text = worksheet.Cell("C2").Value
End Sub

Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
ReCalculate()
End Sub

Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs)
LoadXLS()
End Sub

Private Sub TextBox_Recalculate(ByVal sender As System.Object, ByVal e As System.EventArgs)
ReCalculate()
End Sub

Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
' open in default spreadsheets viewer/editor
SaveXLS()
Try
    Process.Start("Database.xls")

```

```
        Catch
        End Try

    End Sub

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
        LoadXLS()
        MessageBox.Show("Loaded from Database.xls")
    End Sub

    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
        SaveXLS()
        MessageBox.Show("Saved into Database.xls")
    End Sub
End Class
```

VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

ON-PREMISE OFFLINE SDK

[60 Day Free Trial](#) or [Visit ByteScout Data Extraction Suite Home Page](#)
[Explore ByteScout Data Extraction Suite Documentation](#)
[Explore Samples](#)
[Sign Up for ByteScout Data Extraction Suite Online Training](#)

ON-DEMAND REST WEB API

[Get Your API Key](#)
[Explore Web API Docs](#)
[Explore Web API Samples](#)

[visit www.ByteScout.com](http://www.ByteScout.com)

[visit www.PDF.co](http://www.PDF.co)

