

## gui example for barcode reading with barcode reader sdk in VB.NET with ByteScout Barcode Suite

Learn to code gui example for barcode reading with barcode reader 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 Barcode Suite helps with gui example for barcode reading with barcode reader sdk in VB.NET. ByteScout Barcode Suite is the bundle that provides 3 SDK products to generate barcodes (Barcode SDK), read barcodes (Barcode Reader SDK) and read and write spreadsheets (Spreadsheet SDK).

This rich and prolific sample source code in VB.NET for ByteScout Barcode Suite contains various functions and options you should do calling the API to implement gui example for barcode reading with barcode reader sdk. If you want to implement this functionality, you should copy and paste code below into your app using code editor. Then compile and run your application. Further improvement of the code will make it more robust.

Trial version can be downloaded from our website for free. It contains this and other source code samples for VB.NET.

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Source Code Files:

```

Partial Class Form1
    ''' <summary>
    ''' Required designer variable.
    ''' </summary>
    Private components As System.ComponentModel.IContainer = Nothing

    ''' <summary>
    ''' Clean up any resources being used.
    ''' </summary>
    ''' <param name="disposing">true if managed resources should be disposed; otherwise, false;
    Protected Overrides Sub Dispose(disposing As Boolean)
        If disposing AndAlso (components IsNot Nothing) Then
            components.Dispose()
        End If
        MyBase.Dispose(disposing)
    End Sub

    #Region "Windows Form Designer generated code"

    ''' <summary>
    ''' Required method for Designer support - do not modify
    ''' the contents of this method with the code editor.
    ''' </summary>
    Private Sub InitializeComponent()
        Me.label1 = New System.Windows.Forms.Label()
        Me.buttonBrowse = New System.Windows.Forms.Button()
        Me.pictureBoxBarcode = New System.Windows.Forms.PictureBox()
        Me.textBoxFileName = New System.Windows.Forms.TextBox()
        Me.textBoxResults = New System.Windows.Forms.TextBox()
        Me.label2 = New System.Windows.Forms.Label()
        Me.openFileDialog = New System.Windows.Forms.OpenFileDialog()
        Me.checkBoxAll1D = New System.Windows.Forms.CheckBox()
        Me.checkBoxAll2D = New System.Windows.Forms.CheckBox()
        Me.buttonSearch = New System.Windows.Forms.Button()
        Me.panel1 = New System.Windows.Forms.Panel()
        DirectCast(Me.pictureBoxBarcode, System.ComponentModel.ISupportInitialize).BeginInit()
        Me.panel1.SuspendLayout()
        Me.SuspendLayout()
        '
        ' label1
        '
        Me.label1.AutoSize = True
        Me.label1.Location = New System.Drawing.Point(9, 9)
        Me.label1.Name = "label1"
        Me.label1.Size = New System.Drawing.Size(120, 13)
        Me.label1.TabIndex = 0
        Me.label1.Text = "Image or PDF file name:"
        '
        ' buttonBrowse
        '
        Me.buttonBrowse.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or System.Windows.Forms.AnchorStyles.Right), System.Windows.Forms.AnchorStyles)
        Me.buttonBrowse.Location = New System.Drawing.Point(792, 23)
        Me.buttonBrowse.Name = "buttonBrowse"
    
```

```

Me.buttonBrowse.Size = New System.Drawing.Size(78, 23)
Me.buttonBrowse.TabIndex = 0
Me.buttonBrowse.Text = "Browse..."
Me.buttonBrowse.UseVisualStyleBackColor = True
AddHandler Me.buttonBrowse.Click, New System.EventHandler(AddressOf Me
,
' pictureBoxBarcode
,
Me.pictureBoxBarcode.Anchor = CType((((System.Windows.Forms.AnchorStyles
Me.pictureBoxBarcode.Location = New System.Drawing.Point(0, 0)
Me.pictureBoxBarcode.Name = "pictureBoxBarcode"
Me.pictureBoxBarcode.Size = New System.Drawing.Size(138, 113)
Me.pictureBoxBarcode.SizeMode = System.Windows.Forms.PictureBoxSizeMode
Me.pictureBoxBarcode.TabIndex = 2
Me.pictureBoxBarcode.TabStop = False
,
' textBoxFileName
,
Me.textBoxFileName.Anchor = CType((((System.Windows.Forms.AnchorStyles
Me.textBoxFileName.Location = New System.Drawing.Point(12, 25)
Me.textBoxFileName.Name = "textBoxFileName"
Me.textBoxFileName.[ReadOnly] = True
Me.textBoxFileName.Size = New System.Drawing.Size(774, 20)
Me.textBoxFileName.TabIndex = 0
,
' textBoxResults
,
Me.textBoxResults.Anchor = CType((((System.Windows.Forms.AnchorStyles
Me.textBoxResults.Location = New System.Drawing.Point(12, 486)
Me.textBoxResults.Multiline = True
Me.textBoxResults.Name = "textBoxResults"
Me.textBoxResults.ScrollBars = System.Windows.Forms.ScrollBars.Both
Me.textBoxResults.Size = New System.Drawing.Size(858, 102)
Me.textBoxResults.TabIndex = 4
,
' label2
,
Me.label2.AutoSize = True
Me.label2.Location = New System.Drawing.Point(12, 470)
Me.label2.Name = "label2"
Me.label2.Size = New System.Drawing.Size(87, 13)
Me.label2.TabIndex = 5
Me.label2.Text = "Found barcodes:"
,
' openFileDialog
,
Me.openFileDialog.Filter = "Image and PDF files|*.bmp;*.gif;*.tif;*.ti
,
' checkBoxAll1D
,
Me.checkBoxAll1D.AutoSize = True
Me.checkBoxAll1D.Checked = True
Me.checkBoxAll1D.CheckState = System.Windows.Forms.CheckState.Checked
Me.checkBoxAll1D.Location = New System.Drawing.Point(12, 51)
Me.checkBoxAll1D.Name = "checkBoxAll1D"
Me.checkBoxAll1D.Size = New System.Drawing.Size(359, 17)
Me.checkBoxAll1D.TabIndex = 1
Me.checkBoxAll1D.Text = "One-dimensional (linear) barcodes (Code39, Co
Me.checkBoxAll1D.UseVisualStyleBackColor = True
,

```

```

' checkBoxAll2D
'
Me.checkBoxAll2D.AutoSize = True
Me.checkBoxAll2D.Checked = True
Me.checkBoxAll2D.CheckState = System.Windows.Forms.CheckState.Checked
Me.checkBoxAll2D.Location = New System.Drawing.Point(12, 74)
Me.checkBoxAll2D.Name = "checkBoxAll2D"
Me.checkBoxAll2D.Size = New System.Drawing.Size(363, 17)
Me.checkBoxAll2D.TabIndex = 2
Me.checkBoxAll2D.Text = "Two-dimensional barcodes (Aztec, PDF417, QR C
Me.checkBoxAll2D.UseVisualStyleBackColor = True
'
' buttonSearch
'
Me.buttonSearch.Anchor = CType((System.Windows.Forms.AnchorStyles.Top O
Me.buttonSearch.Font = New System.Drawing.Font("Tahoma", 8.25F, System
Me.buttonSearch.Location = New System.Drawing.Point(742, 51)
Me.buttonSearch.Name = "buttonSearch"
Me.buttonSearch.Size = New System.Drawing.Size(128, 40)
Me.buttonSearch.TabIndex = 3
Me.buttonSearch.Text = "Search Barcodes"
Me.buttonSearch.UseVisualStyleBackColor = True
AddHandler Me.buttonSearch.Click, New System.EventHandler(AddressOf Me
'
' panel1
'
Me.panel1.Anchor = CType((((System.Windows.Forms.AnchorStyles.Top Or S
Me.panel1.AutoScroll = True
Me.panel1.BackColor = System.Drawing.SystemColors.ControlDark
Me.panel1.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle
Me.panel1.Controls.Add(Me.pictureBoxBarcode)
Me.panel1.Location = New System.Drawing.Point(12, 97)
Me.panel1.Name = "panel1"
Me.panel1.Size = New System.Drawing.Size(858, 370)
Me.panel1.TabIndex = 9
'
' Form1
'
Me.AutoScaleDimensions = New System.Drawing.SizeF(6F, 13F)
Me.AutoScaleMode = System.Windows.Forms.AutoScaleModeMode.Font
Me.ClientSize = New System.Drawing.Size(882, 600)
Me.Controls.Add(Me.panel1)
Me.Controls.Add(Me.buttonSearch)
Me.Controls.Add(Me.checkBoxAll2D)
Me.Controls.Add(Me.checkBoxAll1D)
Me.Controls.Add(Me.label2)
Me.Controls.Add(Me.textBoxResults)
Me.Controls.Add(Me.textBoxFileName)
Me.Controls.Add(Me.buttonBrowse)
Me.Controls.Add(Me.label1)
Me.Name = "Form1"
Me.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen
Me.Text = "Barcode Reader"
DirectCast(Me.pictureBoxBarcode, System.ComponentModel.ISupportInitial
Me.panel1.ResumeLayout(False)
Me.panel1.PerformLayout()
Me.ResumeLayout(False)
Me.PerformLayout()

```

End Sub

```

#End Region

Private label1 As System.Windows.Forms.Label
Private buttonBrowse As System.Windows.Forms.Button
Private pictureBoxBarcode As System.Windows.Forms.PictureBox
Private textBoxFileName As System.Windows.Forms.TextBox
Private textBoxResults As System.Windows.Forms.TextBox
Private label2 As System.Windows.Forms.Label
Private openFileDialog As System.Windows.Forms.OpenFileDialog
Private checkBoxAll1D As System.Windows.Forms.CheckBox
Private checkBoxAll2D As System.Windows.Forms.CheckBox
Private buttonSearch As System.Windows.Forms.Button
Private panel1 As System.Windows.Forms.Panel

End Class

```

## Form1.vb

```

Imports System.Collections.Generic
Imports System.Drawing
Imports System.Windows.Forms
Imports Bytescout.BarCodeReader

Public Partial Class Form1
    Inherits Form
    Public Sub New()
        InitializeComponent()
    End Sub

    Private _fileName As String = ""

    Private Sub buttonBrowse_Click(sender As Object, e As EventArgs)
        Dim result As DialogResult = openFileDialog.ShowDialog()

        If result = DialogResult.OK Then
            _fileName = openFileDialog.FileName
            textBoxFileName.Text = _fileName

            Try
                Dim bmp As New Bitmap(_fileName)
                pictureBoxBarcode.Image = bmp
            Catch generatedExceptionName As Exception
                pictureBoxBarcode.Image = Nothing
            End Try
        End If
    End Sub

    Private Sub buttonSearchBarcodes_Click(sender As Object, e As EventArgs)
        FindBarcodes()
    End Sub

```

```

End Sub

Private Sub FindBarcodes()
If String.IsNullOrEmpty(_fileName) Then
    Return
End If

    Dim reader As New Reader()
    reader.RegistrationName = "demo"
    reader.RegistrationKey = "demo"

    If checkBoxAll1D.Checked Then
        reader.BarcodeTypesToFind.All1D = True
    End If
    If checkBoxAll2D.Checked Then
        reader.BarcodeTypesToFind.All2D = True
    End If

    Cursor = Cursors.WaitCursor

' -----
' NOTE: We can read barcodes from specific page to increase performance .
' For sample please refer to "Decoding barcodes from PDF by pages" program.
' -----

    Dim foundBarcodes As FoundBarcode() = reader.ReadFrom(_fileName)
    ResetCursor()

    Dim data As New List(Of String)()

    If foundBarcodes.Length = 0 Then
        data.Add("No barcodes found")
    Else
        For Each barcode As FoundBarcode In foundBarcodes
            data.Add(String.Format("Type ""{0}"" and value ""{1}""", barcode.Type,
                Next
        End If

' Cleanup
reader.Dispose()

textBoxResults.Lines = data.ToArray()
End Sub
End Class

```

Program.vb

```

Imports System.Collections.Generic
Imports System.Windows.Forms

```

```
NotInheritable Class Program
  Private Sub New()
  End Sub
  ''' <summary>
  ''' The main entry point for the application.
  ''' </summary>
  <STAThread> _
  Friend Shared Sub Main()
    Application.EnableVisualStyles()
    Application.SetCompatibleTextRenderingDefault(False)
    Application.Run(New Form1())
  End Sub
End Class
```

---

## VIDEO

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

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