How to read barcodes from image with barcode reader sdk in ASP.NET VB and ByteScout Premium Suite

Learn to read barcodes from image with barcode reader sdk in ASP.NET VB

The code displayed below will guide you to install an ASP.NET VB app to read barcodes from image with barcode reader sdk. Want to read barcodes from image with barcode reader sdk in your ASP.NET VB app? ByteScout Premium Suite is designed for it. ByteScout Premium Suite is the bundle that includes twelve SDK products from ByteScout including tools and components for PDF, barcodes, spreadsheets, screen video recording.

These ASP.NET VB code samples for ASP.NET VB guide developers to speed up coding of the application when using ByteScout Premium Suite. Just copy and paste the code into your ASP.NET VB application's code and follow the instructions. Enjoy writing a code with ready-to-use sample codes in ASP.NET VB.

Our website gives trial version of ByteScout Premium Suite for free. It also includes documentation and source code samples.

FOR MORE INFORMATION AND FREE TRIAL:

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Source Code Files:

About.aspx

```
<%@ Page Title="About Us" Language="vb" MasterPageFile="~/Site.Master" AutoEventWireup=
    CodeBehind="About.aspx.vb" Inherits="Barcodes_From_Image.About" %>

<asp:Content ID="HeaderContent" runat="server" ContentPlaceHolderID="HeadContent">
</asp:Content>
<asp:Content ID="BodyContent" runat="server" ContentPlaceHolderID="MainContent">
    <h2>
        About
    </h2>
    <p>
        Put content here.
    </p>
</asp:Content>
```

About.aspx.designer.vb

```
'------------------------------------------------------------------
' <auto-generated>
'     This code was generated by a tool.
'
'     Changes to this file may cause incorrect behavior and will be lost if
'     the code is regenerated.
' </auto-generated>
'------------------------------------------------------------------

Option Strict On
Option Explicit On




Partial Public Class About
End Class
```

About.aspx.vb

```
Public Class About
    Inherits System.Web.UI.Page
```

```vb
        Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handle

    End Sub

End Class
```

Default.aspx

```aspx
<%@ Page Language="vb" AutoEventWireup="true" CodeBehind="Default.aspx.vb" Inherits="Bc

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xk

<html xmlns="http://www.w3.org/1999/xhtml" >
<head id="Head1" runat="server">
    <title>Web Barcode Reader Tester (C#)</title>
</head>
<body>
    <form id="form1" runat="server">
    <div>
        Click browse button to upload an image<br />
        <br />
        <asp:FileUpload ID="FileUpload1" runat="server" /><br />
        <br />
        <asp:Button id="UploadButton"
            Text="Upload file"
            runat="server">
        </asp:Button>
        <br />
        <br />
        <asp:Label id="UploadStatusLabel" Text="" runat="server"></asp:Label>
        <br />
        <asp:ListBox ID="ListBox1" runat="server" Visible="False"></asp:ListBox><br />
        <br />
        <asp:Image ID="Image1" runat="server" Height="74px" Width="71px" /></div>
    </form>
</body>
</html>
```

Default.aspx.designer.vb

```vbnet
'------------------------------------------------------------------------------
' <auto-generated>
'     This code was generated by a tool.
'
'     Changes to this file may cause incorrect behavior and will be lost if
'     the code is regenerated.
' </auto-generated>
'------------------------------------------------------------------------------

Option Strict On
Option Explicit On


Partial Public Class _Default

    '''<summary>
    '''Head1 control.
    '''</summary>
    '''<remarks>
    '''Auto-generated field.
    '''To modify move field declaration from designer file to code-behind file.
    '''</remarks>
    Protected WithEvents Head1 As Global.System.Web.UI.HtmlControls.HtmlHead

    '''<summary>
    '''form1 control.
    '''</summary>
    '''<remarks>
    '''Auto-generated field.
    '''To modify move field declaration from designer file to code-behind file.
    '''</remarks>
    Protected WithEvents form1 As Global.System.Web.UI.HtmlControls.HtmlForm

    '''<summary>
    '''FileUpload1 control.
    '''</summary>
    '''<remarks>
    '''Auto-generated field.
    '''To modify move field declaration from designer file to code-behind file.
    '''</remarks>
    Protected WithEvents FileUpload1 As Global.System.Web.UI.WebControls.FileUpload

    '''<summary>
    '''UploadButton control.
    '''</summary>
    '''<remarks>
    '''Auto-generated field.
    '''To modify move field declaration from designer file to code-behind file.
    '''</remarks>
    Protected WithEvents UploadButton As Global.System.Web.UI.WebControls.Button

    '''<summary>
    '''UploadStatusLabel control.
    '''</summary>
    '''<remarks>
    '''Auto-generated field.
    '''To modify move field declaration from designer file to code-behind file.
    '''</remarks>
    Protected WithEvents UploadStatusLabel As Global.System.Web.UI.WebControls.Label
```

```vbnet
        '''<summary>
        '''ListBox1 control.
        '''</summary>
        '''<remarks>
        '''Auto-generated field.
        '''To modify move field declaration from designer file to code-behind file.
        '''</remarks>
        Protected WithEvents ListBox1 As Global.System.Web.UI.WebControls.ListBox

        '''<summary>
        '''Image1 control.
        '''</summary>
        '''<remarks>
        '''Auto-generated field.
        '''To modify move field declaration from designer file to code-behind file.
        '''</remarks>
        Protected WithEvents Image1 As Global.System.Web.UI.WebControls.Image
End Class
```

Default.aspx.vb

```vbnet
Imports System.IO
Imports Bytescout.BarCodeReader

Public Class _Default
    Inherits System.Web.UI.Page

    ' IF YOU SEE TEMPORARY FOLDER ACCESS ERRORS:

    ' Temporary folder access is required for web application when you use ByteScout SD
    ' If you are getting errors related to the access to temporary folder like "Access

    ' SOLUTION:

    ' If your IIS Application Pool has "Load User Profile" option enabled the IIS prov

    ' If you are running Web Application under an impersonated account or IIS_IUSRS gro

    ' In this case
    ' - check the User or User Group your web application is running under
    ' - then add permissions for this User or User Group to read and write into that te
    ' - restart your web application and try again

    Private Sub UploadButton_Click(sender As Object, e As System.EventArgs) Handles Upl

        Dim savePath As String = "\uploads\"

        If (FileUpload1.HasFile) Then

            Dim virtualFilePath As String = Path.Combine(savePath, FileUpload1.FileName
```

```vb
            Dim serverFilePath As String = Server.MapPath(virtualFilePath)
            If Not Directory.Exists(Path.GetDirectoryName(serverFilePath)) Then
                Directory.CreateDirectory(Path.GetDirectoryName(serverFilePath))
            End If

            FileUpload1.SaveAs(serverFilePath)

            Dim image As System.Drawing.Image = Nothing

            Try
                Using fileStream As FileStream = File.OpenRead(serverFilePath)
                    image = System.Drawing.Image.FromStream(fileStream)
                End Using

            Catch ex As Exception

            End Try

            If image Is Nothing Then
                UploadStatusLabel.Visible = True
                UploadStatusLabel.Text = "Your file is not an image."
                Image1.Visible = False
                ListBox1.Visible = False
            Else
                UploadStatusLabel.Visible = False
                Image1.ImageUrl = virtualFilePath
                Image1.Visible = True
                Image1.Width = image.Width
                Image1.Height = image.Height
                ListBox1.Items.Clear()
                ListBox1.Visible = True

                FindBarcodes(serverFilePath)

                If ListBox1.Items.Count = 0 Then
                    ListBox1.Items.Add("No barcodes found")
                End If

            End If

        Else
            'Notify the user that a file was not uploaded.
            UploadStatusLabel.Text = "You did not specify a file to upload."
        End If

    End Sub

    Private Sub FindBarcodes(fileName As String)

        Dim reader As Reader = New Reader()

        ' Limit search to 1D barcodes only (exclude 2D barcodes to speed up the search)
            ' Change to bc.BarcodeTypesToFind.SetAll() to scan for all supported 1D
            ' or select specific type, e.g. bc.BarcodeTypesToFind.PDF417 = True
            reader.BarcodeTypesToFind.SetAll1D()

        ' reader.MediumTrustLevelCompatible = True ' uncomment this line to enable Med

        reader.ReadFromFile(fileName)
```

```vb
        For Each barcode As FoundBarcode In reader.FoundBarcodes
            ListBox1.Items.Add(String.Format("{0} : {1}", barcode.Type, barcode.Value)
        Next

    End Sub

End Class
```

Global.asax.vb

```vb
Imports System.Web.SessionState

Public Class Global_asax
    Inherits System.Web.HttpApplication

    Sub Application_Start(ByVal sender As Object, ByVal e As EventArgs)
        ' Fires when the application is started
    End Sub

    Sub Session_Start(ByVal sender As Object, ByVal e As EventArgs)
        ' Fires when the session is started
    End Sub

    Sub Application_BeginRequest(ByVal sender As Object, ByVal e As EventArgs)
        ' Fires at the beginning of each request
    End Sub

    Sub Application_AuthenticateRequest(ByVal sender As Object, ByVal e As EventArgs)
        ' Fires upon attempting to authenticate the use
    End Sub

    Sub Application_Error(ByVal sender As Object, ByVal e As EventArgs)
        ' Fires when an error occurs
    End Sub

    Sub Session_End(ByVal sender As Object, ByVal e As EventArgs)
        ' Fires when the session ends
    End Sub

    Sub Application_End(ByVal sender As Object, ByVal e As EventArgs)
        ' Fires when the application ends
    End Sub

End Class
```

Site.Master.designer.vb

```vb
'------------------------------------------------------------------------------
' <auto-generated>
'     This code was generated by a tool.
'
'     Changes to this file may cause incorrect behavior and will be lost if
'     the code is regenerated.
' </auto-generated>
'------------------------------------------------------------------------------

Option Strict On
Option Explicit On


Partial Public Class SiteMaster

    '''<summary>
    '''Head1 control.
    '''</summary>
    '''<remarks>
    '''Auto-generated field.
    '''To modify move field declaration from designer file to code-behind file.
    '''</remarks>
    Protected WithEvents Head1 As Global.System.Web.UI.HtmlControls.HtmlHead

    '''<summary>
    '''HeadContent control.
    '''</summary>
    '''<remarks>
    '''Auto-generated field.
    '''To modify move field declaration from designer file to code-behind file.
    '''</remarks>
    Protected WithEvents HeadContent As Global.System.Web.UI.WebControls.ContentPlaceH

    '''<summary>
    '''Form1 control.
    '''</summary>
    '''<remarks>
    '''Auto-generated field.
    '''To modify move field declaration from designer file to code-behind file.
    '''</remarks>
    Protected WithEvents Form1 As Global.System.Web.UI.HtmlControls.HtmlForm

    '''<summary>
    '''HeadLoginView control.
    '''</summary>
    '''<remarks>
    '''Auto-generated field.
    '''To modify move field declaration from designer file to code-behind file.
    '''</remarks>
    Protected WithEvents HeadLoginView As Global.System.Web.UI.WebControls.LoginView

    '''<summary>
```

```
    '''NavigationMenu control.
    '''</summary>
    '''<remarks>
    '''Auto-generated field.
    '''To modify move field declaration from designer file to code-behind file.
    '''</remarks>
    Protected WithEvents NavigationMenu As Global.System.Web.UI.WebControls.Menu

    '''<summary>
    '''MainContent control.
    '''</summary>
    '''<remarks>
    '''Auto-generated field.
    '''To modify move field declaration from designer file to code-behind file.
    '''</remarks>
    Protected WithEvents MainContent As Global.System.Web.UI.WebControls.ContentPlaceH
End Class
```

Site.Master.vb

```
Public Class Site
    Inherits System.Web.UI.MasterPage

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handl

    End Sub

End Class
```

Web.Debug.config

```
<?xml version="1.0"?>

<!-- For more information on using web.config transformation visit http://go.microsoft

<configuration xmlns:xdt="http://schemas.microsoft.com/XML-Document-Transform">
  <!--
    In the example below, the "SetAttributes" transform will change the value of
    "connectionString" to use "ReleaseSQLServer" only when the "Match" locator
    finds an atribute "name" that has a value of "MyDB".
```

```
      <connectionStrings>
        <add name="MyDB"
          connectionString="Data Source=ReleaseSQLServer;Initial Catalog=MyReleaseDB;Int
          xdt:Transform="SetAttributes" xdt:Locator="Match(name)"/>
      </connectionStrings>
    -->
  <system.web>
    <!--
      In the example below, the "Replace" transform will replace the entire
      <customErrors> section of your web.config file.
      Note that because there is only one customErrors section under the
      <system.web> node, there is no need to use the "xdt:Locator" attribute.

      <customErrors defaultRedirect="GenericError.htm"
        mode="RemoteOnly" xdt:Transform="Replace">
        <error statusCode="500" redirect="InternalError.htm"/>
      </customErrors>
    -->
  </system.web>
</configuration>
```

Web.Release.config

```
<?xml version="1.0"?>

<!-- For more information on using web.config transformation visit http://go.microsoft

<configuration xmlns:xdt="http://schemas.microsoft.com/XML-Document-Transform">
  <!--
    In the example below, the "SetAttributes" transform will change the value of
    "connectionString" to use "ReleaseSQLServer" only when the "Match" locator
    finds an atribute "name" that has a value of "MyDB".

    <connectionStrings>
      <add name="MyDB"
        connectionString="Data Source=ReleaseSQLServer;Initial Catalog=MyReleaseDB;Int
        xdt:Transform="SetAttributes" xdt:Locator="Match(name)"/>
    </connectionStrings>
  -->
  <system.web>
    <compilation xdt:Transform="RemoveAttributes(debug)" />
    <!--
      In the example below, the "Replace" transform will replace the entire
      <customErrors> section of your web.config file.
      Note that because there is only one customErrors section under the
      <system.web> node, there is no need to use the "xdt:Locator" attribute.

      <customErrors defaultRedirect="GenericError.htm"
        mode="RemoteOnly" xdt:Transform="Replace">
        <error statusCode="500" redirect="InternalError.htm"/>
```

```
      </customErrors>
    -->
  </system.web>
</configuration>
```

Web.config

```xml
<?xml version="1.0"?>

<!--
  For more information on how to configure your ASP.NET application, please visit
  http://go.microsoft.com/fwlink/?LinkId=169433
  -->

<configuration>
  <connectionStrings>
    <add name="ApplicationServices"
         connectionString="data source=.\SQLEXPRESS;Integrated Security=SSPI;AttachDBF
         providerName="System.Data.SqlClient" />
  </connectionStrings>

  <system.web>
    <compilation debug="true" strict="false" explicit="true" targetFramework="4.0" />

    <authentication mode="Forms">
      <forms loginUrl="~/Account/Login.aspx" timeout="2880" />
    </authentication>

    <membership>
      <providers>
        <clear/>
        <add name="AspNetSqlMembershipProvider" type="System.Web.Security.SqlMembership
             enablePasswordRetrieval="false" enablePasswordReset="true" requiresQuestic
             maxInvalidPasswordAttempts="5" minRequiredPasswordLength="6" minRequiredNc
             applicationName="/" />
      </providers>
    </membership>

    <profile>
      <providers>
        <clear/>
        <add name="AspNetSqlProfileProvider" type="System.Web.Profile.SqlProfileProvide
      </providers>
    </profile>

    <roleManager enabled="false">
      <providers>
        <clear/>
        <add name="AspNetSqlRoleProvider" type="System.Web.Security.SqlRoleProvider" cc
        <add name="AspNetWindowsTokenRoleProvider" type="System.Web.Security.WindowsTok
      </providers>
```

```
            </roleManager>

        </system.web>

        <system.webServer>
            <modules runAllManagedModulesForAllRequests="true"/>
        </system.webServer>
    </configuration>
```

VIDEO

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

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