How to read barcodes from image in ASP.NET VB with ByteScout BarCode Reader SDK

The tutorial shows how to read barcodes from image in ASP.NET VB

We made thousands of pre-made source code pieces for easy implementation in your own programming projects. ByteScout BarCode Reader SDK is the SDK for reading of barcodes from PDF, images and live camera or video. Almost every common type like Code 39, Code 128, GS1, UPC, QR Code, Datamatrix, PDF417 and many others are supported. Supports noisy and defective images and docs. Includes optional documents splitter and merger for pdf and tiff based on found barcodess. Batch mode is supported for superior performance using multiple threads. Decoded values are easily exported to JSON, CSV, XML and to custom format. It can read barcodes from image in ASP.NET VB.

The SDK samples like this one below explain how to quickly make your application do read barcodes from image in ASP.NET VB with the help of ByteScout BarCode Reader SDK. Just copy and paste the code into your ASP.NET VB application's code and follow the instruction. Detailed tutorials and documentation are available along with installed ByteScout BarCode Reader SDK if you'd like to dive deeper into the topic and the details of the API.

Free trial version of ByteScout BarCode Reader SDK is available on our website. Documentation and source code samples are included.

FOR MORE INFORMATION AND FREE TRIAL:

Download Free Trial SDK (on-premise version)

Read more about ByteScout BarCode Reader SDK

Explore API Documentation

Get Free Training for ByteScout BarCode Reader SDK

Get Free API key for Web API

visit www.ByteScout.com

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

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

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

    End Sub

End Class
```

Default.aspx

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

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

<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

```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 _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>
```

```vb
    '''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

    '''<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

```vb
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 S[
    ' 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 gr

    ' 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 t
    ' - restart your web application and try again

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

```vbnet
        Dim savePath As String = "\uploads\"

    If (FileUpload1.HasFile) Then

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

        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 1
        ' 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)

        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

```
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
```

```xml
<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
<?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" requiresQuestio
             maxInvalidPasswordAttempts="5" minRequiredPasswordLength="6" minRequiredNo
             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" c
        <add name="AspNetWindowsTokenRoleProvider" type="System.Web.Security.WindowsTo
      </providers>
    </roleManager>

  </system.web>

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

VIDEO

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

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