

How to generate word document with barcodes in VB.NET and ByteScout Barcode SDK

This tutorial will show how to generate word document with barcodes in VB.NET

Generate word document with barcodes is easy to implement in VB.NET if you use these source codes below. What is ByteScout Barcode SDK? It is the fully featured library to generate barcodes. Supports QR Code, Code 39, Code 128, UPC, GS1, GS-128, PDF417, Datamatrix and many other barcode types. Includes various options for barcode generation to ensure output quality, add barcodes to new or existing pdf files and images. It can help you to generate word document with barcodes in your VB.NET application.

Fast application programming interfaces of ByteScout Barcode SDK for VB.NET plus the instruction and the code below will help you quickly learn how to generate word document with barcodes. This VB.NET sample code is all you need for your app. Just copy and paste the code, add references (if needs to) and you are all set! Test VB.NET sample code examples whether they respond your needs and requirements for the project.

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

VB.NET - Program.vb

```
' This example uses Word Automation to create a document, add some text, add a table,
' fill it with random data and generate barcode images for it.

Imports System.Drawing
Imports System.Globalization
Imports System.IO
Imports System.Reflection
Imports Microsoft.Office.Interop.Word
Imports Word = Microsoft.Office.Interop.Word
Imports ByteScout.BarCode

Class Program
    Private Shared Sub Main(args As String())
        Dim [optional] As Object = Missing.Value
        Dim endOfDocBookmark As Object = "\endofdoc"
        ' \endofdoc is a predefined bookmark

        ' start Word
        Dim word As _Application = New Application()
        word.Visible = False

        ' create new document
        Dim document As _Document = word.Documents.Add([optional],
```

```

[optional], [optional], [optional])

    ' insert a paragraph at the beginning of the document
    Dim paragraph1 As Paragraph =
document.Content.Paragraphs.Add([optional])
    paragraph1.Range.Text = "Heading 1"
    paragraph1.Range.Font.Bold = 1
    paragraph1.Format.SpaceAfter = 24
    ' 24 pt spacing after paragraph
    paragraph1.Range.InsertParagraphAfter()

    ' insert another paragraph
    Dim range As Object =
document.Bookmarks.get_Item(endOfDocBookmark).Range
    Dim paragraph2 As Paragraph = document.Content.Paragraphs.Add(range)
    paragraph2.Range.Text = "This is a sentence of normal text. Now here
is a table:"

    paragraph2.Range.Font.Bold = 0
    paragraph2.Format.SpaceAfter = 24
    paragraph2.Range.InsertParagraphAfter()

    ' insert a 5 x 2 table, make the first header row bold and italic
    range = document.Bookmarks.get_Item(endOfDocBookmark).Range
    Dim table As Table = document.Tables.Add(DirectCast(range, Range), 5,
2, [optional], [optional])
    table.Cell(1, 1).Range.Text = "Value"
    ' 1st column header
    table.Cell(1, 2).Range.Text = "Barcode"
    ' 2nd column header
    table.Rows(1).Range.Font.Bold = 1
    table.Rows(1).Range.Font.Italic = 1
    AddBorders(table.Cell(1, 1).Range)
    AddBorders(table.Cell(1, 2).Range)

    Dim random As New Random()
    Dim tempImage As String = Path.Combine(Path.GetTempPath(),
"tempImage.png")

    ' create barcode object
    Dim barcode As New Barcode("demo", "demo")
    barcode.Symbology = SymbologyType.Code128
    barcode.DrawCaption = False

    ' fill the table with random data and add barcode images
    For row As Integer = 2 To 5
        Dim randomValue As String = random.[Next]
        (.ToString(CultureInfo.InvariantCulture)
        Dim cell As Range = table.Cell(row, 1).Range
        cell.Text = randomValue

        AddBorders(cell)

        ' generate barcode and save it to temporary image file
        barcode.Value = randomValue
        barcode.SaveImage(tempImage)

        ' put barcode image to second column
        cell = table.Cell(row, 2).Range
        cell.InlineShapes.AddPicture(tempImage, [optional],

```

```

[optional], [optional])

        AddBorders(cell)
    Next

    ' save document
    Dim fileName As Object = "sample.doc"
    ' use full file path in your app
    document.SaveAs(fileName, [optional], [optional], [optional],
[optional], [optional], _
[optional], [optional], [optional], [optional], [optional],
[optional], _
        [optional], [optional], [optional], [optional])

    ' quit Word
    Dim saveChanges As Object = True
    word.Quit(saveChanges, [optional], [optional])

    System.Diagnostics.Process.Start(DirectCast(fileName, String))
End Sub

' Adds borders to provided Range
Private Shared Sub AddBorders(cell As Range)
    AddressOf cell.Borders(WdBorderType.wdBorderLeft).LineStyle =
WdLineStyle.wdLineStyleSingle
    AddressOf cell.Borders(WdBorderType.wdBorderTop).LineStyle =
WdLineStyle.wdLineStyleSingle
    AddressOf cell.Borders(WdBorderType.wdBorderRight).LineStyle =
WdLineStyle.wdLineStyleSingle
    AddressOf cell.Borders(WdBorderType.wdBorderBottom).LineStyle =
WdLineStyle.wdLineStyleSingle
End Sub
End Class

```

FOR MORE INFORMATION AND FREE TRIAL:

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

[Read more about ByteScout Barcode SDK](#)

[Explore documentation](#)

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

or

[Get Your Free API Key for www.PDF.co Web API](#)