

How to generate invoice in VB.NET and ByteScout Spreadsheet SDK

How to code in VB.NET to generate invoice with this step-by-step tutorial

The coding tutorials are designed to help you test the features without need to write your own code. ByteScout Spreadsheet SDK is the SDK component for writing, reading, modifying and calculating Excel and CSV spreadsheets. Can calculate and recalculate formulas with Excel installed. You may import or export data to and from CSV, XML, JSON. Supports export to databases, arrays, streams. It can be used to generate invoice using VB.NET.

You will save a lot of time on writing and testing code as you may just take the VB.NET code from ByteScout Spreadsheet SDK for generate invoice below and use it in your application. In your VB.NET project or application you may simply copy & paste the code and then run your app! Implementing VB.NET application typically includes multiple stages of the software development so even if the functionality works please test it with your data and the production environment.

Free trial version of ByteScout Spreadsheet SDK is available for download from our website. Get it to try other source code samples for VB.NET.

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Source Code Files:

```

Imports System.Drawing
Imports Bytescout.Spreadsheet

Module Program

    Sub Main()

        Try

            ' STEP-1: Get Invoice Data
            Dim oInvoiceData = GetInvoiceData()

            ' STEP-2: Generate Invoice in memory
            Dim document = _GetSpreadsheet(oInvoiceData)

            ' Step-3: Export to XLS, XLSX and PDF
            document.SaveAsXLSX("Invoice.xlsx")
            document.SaveAsXLS("Invoice.xls")
            document.SaveAsPDF("Invoice.pdf")

            ' Open output file
            Process.Start("Invoice.xlsx")
            Process.Start("Invoice.pdf")

        Catch ex As Exception
            Console.WriteLine(ex.Message)
        End Try

        Console.WriteLine("Press enter key to exit...")
        Console.ReadLine()
    End Sub

    ''' <summary>
    ''' Get Spreadsheet
    ''' </summary>
    Private Function _GetSpreadsheet(ByVal oInvoiceData As InvoiceData) As Spreadsheet

        ' Create new Spreadsheet
        Dim document As Spreadsheet = New Spreadsheet()
        document.Workbook.AutoCalculation = True
        document.Workbook.DefaultFont = New SpreadsheetFont("Arial", 10)

        ' Add new worksheet
        Dim Sheet As Worksheet = document.Workbook.Worksheets.Add("Invoice")

        Dim startRow As Integer = 0

        ' 1. Write Company Name
        Sheet.Cell(startRow, 0).Value = oInvoiceData.CompanyName
        Sheet.Cell(startRow, 0).Font = New Font("Arial", 15, FontStyle.Bold Or FontSty

        ' 2. Write Company Address
        Sheet.Cell((System.Threading.Interlocked.Increment(startRow)), 0).Value = oInvo
        Sheet.Cell((System.Threading.Interlocked.Increment(startRow)), 0).Value = oInvo
        startRow += 1
    
```

```

' 3. Write Invoice Info
Sheet.Cell((System.Threading.Interlocked.Increment(startRow)), 2).Value = "Invoice No"
Sheet.Cell(startRow, 2).Font = New Font("Arial", 10, FontStyle.Bold)
Sheet.Cell(startRow, 2).AlignmentHorizontal = Bytescout.Spreadsheet.Constants.AlignmentCenter

Sheet.Cell(startRow, 3).Value = oInvoiceData.InvoiceNo

Sheet.Cell((System.Threading.Interlocked.Increment(startRow)), 2).Value = "Invoice Date"
Sheet.Cell(startRow, 2).Font = New Font("Arial", 10, FontStyle.Bold)
Sheet.Cell(startRow, 2).AlignmentHorizontal = Bytescout.Spreadsheet.Constants.AlignmentCenter

Sheet.Cell(startRow, 3).ValueAsDateTime = oInvoiceData.InvoiceDate
Sheet.Cell(startRow, 3).NumberFormatString = "mm/dd/yyyy"

' 4. Write Client Info
Sheet.Cell((System.Threading.Interlocked.Increment(startRow)), 0).Value = oInvoiceData.ClientName
Sheet.Cell(startRow, 0).Font = New Font("Arial", 12, FontStyle.Bold)

Sheet.Cell((System.Threading.Interlocked.Increment(startRow)), 0).Value = oInvoiceData.ClientAddress
Sheet.Cell((System.Threading.Interlocked.Increment(startRow)), 0).Value = oInvoiceData.ClientCity

startRow += 1

' 5. Write Notes
Sheet.Cell((System.Threading.Interlocked.Increment(startRow)), 0).Value = oInvoiceData.Notes
Sheet.Cell(startRow, 0).Font = New Font("Arial", 12, FontStyle.Bold)
Sheet.Cell((System.Threading.Interlocked.Increment(startRow)), 0).Value = oInvoiceData.Notes

startRow += 2

' 6. Add Product Listing
Dim startAddress As String = ""
Dim endAddress As String = ""

Sheet.Cell((System.Threading.Interlocked.Increment(startRow)), 0).Value = "Item Description"
_AddAllBorders(Sheet.Cell(startRow, 0))
Sheet.Cell(startRow, 0).Font = New Font("Arial", 11, FontStyle.Bold)

Sheet.Cell(startRow, 1).Value = "Quantity"
_AddAllBorders(Sheet.Cell(startRow, 1))
Sheet.Cell(startRow, 1).AlignmentHorizontal = Bytescout.Spreadsheet.Constants.AlignmentCenter
Sheet.Cell(startRow, 1).Font = New Font("Arial", 11, FontStyle.Bold)

Sheet.Cell(startRow, 2).Value = "Price"
_AddAllBorders(Sheet.Cell(startRow, 2))
Sheet.Cell(startRow, 2).AlignmentHorizontal = Bytescout.Spreadsheet.Constants.AlignmentCenter
Sheet.Cell(startRow, 2).Font = New Font("Arial", 11, FontStyle.Bold)

Sheet.Cell(startRow, 3).Value = "Total"
_AddAllBorders(Sheet.Cell(startRow, 3))
Sheet.Cell(startRow, 3).AlignmentHorizontal = Bytescout.Spreadsheet.Constants.AlignmentCenter
Sheet.Cell(startRow, 3).Font = New Font("Arial", 11, FontStyle.Bold)

For i As Integer = 0 To oInvoiceData.lstProducts.Count - 1

    Sheet.Cell((System.Threading.Interlocked.Increment(startRow)), 0).Value = oInvoiceData.lstProducts(i).ProductDescription
    _AddAllBorders(Sheet.Cell(startRow, 0))

    Sheet.Cell(startRow, 1).Value = oInvoiceData.lstProducts(i).Quantity

```

```

Sheet.Cell(startRow, 1).AlignmentHorizontal = Bytescout.Spreadsheet.Constants
_AddAllBorders(Sheet.Cell(startRow, 1))

Sheet.Cell(startRow, 2).Value = oInvoiceData.lstProducts(i).Price
Sheet.Cell(startRow, 2).AlignmentHorizontal = Bytescout.Spreadsheet.Constants
_AddAllBorders(Sheet.Cell(startRow, 2))

' Calculated cell
Dim formulaMultiplication As String = String.Format("={0}*{1}", Sheet.Cell
Sheet.Cell(startRow, 3).Formula = formulaMultiplication
Sheet.Cell(startRow, 3).AlignmentHorizontal = Bytescout.Spreadsheet.Constants
_AddAllBorders(Sheet.Cell(startRow, 3))

' Address to be used for total sum
If i = 0 Then
    startAddress = Sheet.Cell(startRow, 3).GetAddress().ToString()
End If
endAddress = Sheet.Cell(startRow, 3).GetAddress().ToString()

```

Next

```

Sheet.Cell((System.Threading.Interlocked.Increment(startRow)), 2).Value = "TOTAL"
Sheet.Cell(startRow, 2).AlignmentHorizontal = Constants.AlignmentHorizontal.Right
Sheet.Cell(startRow, 2).Font = New Font("Arial", 11, FontStyle.Bold)

```

```

Dim formulaTotalSum As String = String.Format("=SUM({0}:{1})", startAddress, endAddress)
Sheet.Cell(startRow, 3).Formula = formulaTotalSum
Sheet.Cell(startRow, 3).Font = New Font("Arial", 11, FontStyle.Bold)
Sheet.Cell(startRow, 3).AlignmentHorizontal = Bytescout.Spreadsheet.Constants.AlignmentHorizontal.Right

```

```

' AutoFit all columns
Sheet.Columns.Item(0).AutoFit()
Sheet.Columns.Item(1).AutoFit()
Sheet.Columns.Item(2).AutoFit()
Sheet.Columns.Item(3).AutoFit()

```

```

' Return all formatted document
Return document

```

End Function

```
''' <summary>
```

```
''' Add borders to cell
```

```
''' </summary>
```

```
Private Sub _AddAllBorders(ByVal cell As Cell)
```

```
cell.LeftBorderStyle = Bytescout.Spreadsheet.Constants.LineStyle.Thin
```

```
cell.RightBorderStyle = Bytescout.Spreadsheet.Constants.LineStyle.Thin
```

```
cell.TopBorderStyle = Bytescout.Spreadsheet.Constants.LineStyle.Thin
```

```
cell.BottomBorderStyle = Bytescout.Spreadsheet.Constants.LineStyle.Thin
```

```
End Sub
```

```
''' <summary>
```

```
''' Gets Sample invoice data
```

```
''' </summary>
```

```
Private Function GetInvoiceData() As InvoiceData
```

```
Dim oRet = New InvoiceData With {
```

```
.CompanyName = "Your Company Name",
```

```
.CompanyAddress1 = "Your Address",
```

```
.CompanyAddress2 = "City, State Zip",
```

```
.ClientName = "Client Name",
```

```

.ClientAddress1 = "Address",
.ClientAddress2 = "City, State Zip",
.InvoiceNo = "123456",
.InvoiceDate = DateTime.Now,
.Notes = "Some notes...",
.lstProducts = New List(Of InvoiceProduct) From {
    New InvoiceProduct With {
        .ProductName = "Product 1",
        .Price = 30,
        .Quantity = 10
    },
    New InvoiceProduct With {
        .ProductName = "Product 2",
        .Price = 40,
        .Quantity = 30
    },
    New InvoiceProduct With {
        .ProductName = "Product 3",
        .Price = 50,
        .Quantity = 15
    },
    New InvoiceProduct With {
        .ProductName = "Product 4",
        .Price = 20,
        .Quantity = 20
    }
}
}
Return oRet
End Function

```

#Region "Invoice Class"

```

Public Class InvoiceData
    Public Sub New()
        lstProducts = New List(Of InvoiceProduct)()
    End Sub

    Public Property CompanyName As String
    Public Property CompanyAddress1 As String
    Public Property CompanyAddress2 As String
    Public Property InvoiceNo As String
    Public Property InvoiceDate As DateTime
    Public Property ClientName As String
    Public Property ClientAddress1 As String
    Public Property ClientAddress2 As String
    Public Property Notes As String
    Public Property lstProducts As List(Of InvoiceProduct)
End Class

Public Class InvoiceProduct
    Public Property ProductName As String
    Public Property Quantity As Integer
    Public Property Price As Decimal
End Class

```

#End Region

VIDEO

https://www.youtube.com/watch?v=nm_7I0PN1TY

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