

validate cells with dates in VB.NET and ByteScout Spreadsheet SDK

Make validate cells with dates in VB.NET

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Tutorial on how to do validate cells with dates in VB.NET

Today we will explain the steps and algorithm of implementing validate cells with dates and how to make it work in your application. ByteScout Spreadsheet SDK helps with validate cells with dates in VB.NET. ByteScout Spreadsheet SDK is the library (SDK) that is capable of writing, reading, modifying and calculating Excel and CSV spreadsheets. Most popular formulas can be calculated and recalculated with Excel installed. You may import or export data to and from CSV, XML, JSON as well as to and from databases, arrays.

The SDK samples like this one below explain how to quickly make your application do validate cells with dates in VB.NET with the help of ByteScout Spreadsheet SDK. VB.NET sample code is all you need: copy and paste the code to your VB.NET application's code editor, add a reference to ByteScout Spreadsheet SDK (if you haven't added yet) and you are ready to go! Enjoy writing a code with ready-to-use sample VB.NET codes to implement validate cells with dates using ByteScout Spreadsheet SDK.

ByteScout Spreadsheet SDK free trial version is available for download from our website. Free trial also includes programming tutorials along with source code samples.

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Source Code Files:

Module1.vb

```
Imports Bytescout.Spreadsheet
Imports System.IO

Module Module1

    Sub Main()

        ' in this sample we scan cells with ages data for people
        ' then mark all dates where age is between 10 and 19 years and mark these cells with red

        ' Create new Spreadsheet
        Dim document As New Spreadsheet()
        document.LoadFromFile("Data.xls")

        ' Get worksheet by name
        Dim worksheet As Worksheet = document.Workbook.Worksheets.ByName("Sample")

        ' Years range
        Dim RangeMin As Integer = 10
        Dim RangeMax As Integer = 19

        ' Minimum age
        Dim YearMin As DateTime = DateTime.Now
        ' Maximum age
        Dim YearMax As DateTime = DateTime.Now

        ' Minimum year
        YearMax = YearMax.AddYears(-RangeMin)
        ' Maximum year
        YearMin = YearMin.AddYears(-RangeMax)

        ' Check dates
        For i As Integer = 1 To 7
            ' Set current cell
            Dim currentCell As Cell = worksheet.Cell(i, 1)

            Dim dateBirth As DateTime = currentCell.ValueAsDateTime

            ' Check current cell
            If dateBirth < YearMin Or dateBirth > YearMax Then
                ' Set fill pattern
                currentCell.FillPattern = Bytescout.Spreadsheet.Constants.PatternStyle

                ' Markup wrong cell by red color
                currentCell.FillPatternForeColor = System.Drawing.Color.Red
            End If

            ' Set cell format
            currentCell.NumberFormatString = "dd.mm.yyyy"
        Next
    End Sub
End Module
```

```
' remove output file if already exists
If File.Exists("Output.xls") Then
    File.Delete("Output.xls")
End If

' Save document
document.SaveAs("Output.xls")

' Close Spreadsheet
document.Close()

' open in default spreadsheets viewer/editor
Process.Start("Output.xls")

End Sub

End Module
```

VIDEO

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

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