How to detect lines in PDF in C# and ByteScout PDF Extractor SDK

How to detect lines in PDF in C#

This sample source code below will demonstrate you how to detect lines in PDF in C#. ByteScout PDF Extractor SDK is the Software Development Kit (SDK) that is designed to help developers with data extraction from unstructured documents like pdf, tiff, scans, images, scanned and electronic forms. The library is powered by OCR, computer vision and AI to provide unique functionality like table detection, automatic table structure extraction, data restoration, data restructuring and reconstruction. Supports PDF, TIFF, PNG, JPG images as input and can output CSV, XML, JSON formatted data. Includes full set of utilities like pdf splitter, pdf merger, searchable pdf maker. It can be used to detect lines in PDF using C#.

Fast application programming interfaces of ByteScout PDF Extractor SDK for C# plus the instruction and the code below will help you quickly learn how to detect lines in PDF. In your C# project or application you may simply copy & paste the code and then run your app! Further enhancement of the code will make it more vigorous.

Our website provides trial version of ByteScout PDF Extractor SDK for free. It also includes documentation and source code samples.

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Source Code Files:

Program.cs

```csharp
using System;
using Bytescout.PDFExtractor;

namespace DetectLines
{
    class Program
    {
        static void Main(string[] args)
        {
            // Create Bytescout.PDFExtractor.LineDetector instance
            LineDetector lineDetector = new LineDetector();
            lineDetector.RegistrationName = "demo";
            lineDetector.RegistrationKey = "demo";

            // Load sample PDF document
            lineDetector.LoadDocumentFromFile(@".\sample2.pdf");

            FoundLinesCollection foundLines = lineDetector.FindLines(1, LineOrientation

            Console.WriteLine("Number of lines found: " + foundLines.Count);

            for (int i = 0; i < foundLines.Count; i++)
            {
                FoundLine line = foundLines[i];

                Console.WriteLine("Line # " + i);

                // Line Orientation
                Console.WriteLine("LineOrientation: " + line.LineOrientation);

                // Starting point of the line
                Console.WriteLine("From point: " + line.From);

                // Ending point of the line
                Console.WriteLine("To point: " + line.To);

                // Line width
                Console.WriteLine("Width: " + line.Width);
            }

            Console.ReadLine();
        }
    }
}
```

VIDEO

https://www.youtube.com/watch?v=s28W3_KMraU

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