

How to remove text from selected regions in C# using ByteScout PDF Suite

This code in C# shows how to remove text from selected regions with this how to tutorial

ByteScout simple and easy to understand tutorials are planned to describe the code for both C# beginners and advanced programmers. ByteScout PDF Suite can remove text from selected regions. It can be applied from C#. ByteScout PDF Suite is the set that includes 6 SDK products to work with PDF from generating rich PDF reports to extracting data from PDF documents and converting them to HTML. This bundle includes PDF (Generator) SDK, PDF Renderer SDK, PDF Extractor SDK, PDF to HTML SDK, PDF Viewer SDK and PDF Generator SDK for Javascript.

This prolific sample source code in C# for ByteScout PDF Suite contains various functions and other necessary options you should do calling the API to remove text from selected regions. This C# 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! Use of ByteScout PDF Suite in C# is also described in the documentation included along with the product.

Trial version of ByteScout PDF Suite is available for free. Source code samples are included to help you with your C# app.

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Source Code Files:

```

namespace Sample_UI_Application
{
    partial class Form1
    {
        /// <summary>
        /// Required designer variable.
        /// </summary>
        private System.ComponentModel.IContainer components = null;

        /// <summary>
        /// Clean up any resources being used.
        /// </summary>
        /// <param name="disposing">true if managed resources should be disposed; otherwise, false;
        protected override void Dispose(bool disposing)
        {
            if (disposing && (components != null))
            {
                components.Dispose();
            }
            base.Dispose(disposing);
        }

        #region Windows Form Designer generated code

        /// <summary>
        /// Required method for Designer support - do not modify
        /// the contents of this method with the code editor.
        /// </summary>
        private void InitializeComponent()
        {
            this.pdfViewerControl1 = new Bytescout.PDFViewer.PDFViewerControl();
            this.toolStrip1 = new System.Windows.Forms.ToolStrip();
            this.tsbOpen = new System.Windows.Forms.ToolStripButton();
            this.btnRemoveTextInSelectedRegions = new System.Windows.Forms.Button();
            this.toolStrip1.SuspendLayout();
            this.SuspendLayout();
            //
            // pdfViewerControl1
            //
            this.pdfViewerControl1.Anchor = ((System.Windows.Forms.AnchorStyles)((((System.Windows.Forms.AnchorStyles.Top | System.Windows.Forms.AnchorStyles.Bottom) & (System.Windows.Forms.AnchorStyles.Left | System.Windows.Forms.AnchorStyles.Right)))));
            this.pdfViewerControl1.BackColor = System.Drawing.SystemColors.ButtonShadow;
            this.pdfViewerControl1.Location = new System.Drawing.Point(-13, 70);
            this.pdfViewerControl1.Margin = new System.Windows.Forms.Padding(4);
            this.pdfViewerControl1.MouseMode = Bytescout.PDFViewer.MouseMode.Selection;
            this.pdfViewerControl1.Name = "pdfViewerControl1";
            this.pdfViewerControl1.RegistrationKey = null;
            this.pdfViewerControl1.RegistrationName = null;
            this.pdfViewerControl1.ResetRotationOnPageChange = false;
            this.pdfViewerControl1.Scale = 100;
            this.pdfViewerControl1.SelectionColor = System.Drawing.Color.Red;
            this.pdfViewerControl1.ShowImageObjects = true;
            this.pdfViewerControl1.ShowTextObjects = true;
            this.pdfViewerControl1.ShowVectorObjects = true;
        }
    }
}

```

```

        this.pdfViewerControl1.Size = new System.Drawing.Size(1240, 662);
        this.pdfViewerControl1.TabIndex = 0;
        this.pdfViewerControl1.CurrentPageIndexChanged += new System.EventHandler(
        this.pdfViewerControl1.SelectionChanged += new ByteScout.PDFViewer.Selection
        //
        // toolStrip1
        //
        this.toolStrip1.ImageScalingSize = new System.Drawing.Size(20, 20);
        this.toolStrip1.Items.AddRange(new System.Windows.Forms.ToolStripItem[] {
        this.tsbOpen});
        this.toolStrip1.Location = new System.Drawing.Point(0, 0);
        this.toolStrip1.Name = "toolStrip1";
        this.toolStrip1.Size = new System.Drawing.Size(1240, 27);
        this.toolStrip1.TabIndex = 1;
        this.toolStrip1.Text = "toolStrip1";
        //
        // tsbOpen
        //
        this.tsbOpen.ImageTransparentColor = System.Drawing.Color.Magenta;
        this.tsbOpen.Name = "tsbOpen";
        this.tsbOpen.Size = new System.Drawing.Size(79, 24);
        this.tsbOpen.Text = "&Open PDF";
        this.tsbOpen.Click += new System.EventHandler(this.tsbOpen_Click);
        //
        // btnRemoveTextInSelectedRegions
        //
        this.btnRemoveTextInSelectedRegions.Font = new System.Drawing.Font("Microso
        this.btnRemoveTextInSelectedRegions.Location = new System.Drawing.Point(0,
        this.btnRemoveTextInSelectedRegions.Name = "btnRemoveTextInSelectedRegions"
        this.btnRemoveTextInSelectedRegions.Size = new System.Drawing.Size(407, 33)
        this.btnRemoveTextInSelectedRegions.TabIndex = 2;
        this.btnRemoveTextInSelectedRegions.Text = "Remove Text in Selected Regions
        this.btnRemoveTextInSelectedRegions.UseVisualStyleBackColor = true;
        this.btnRemoveTextInSelectedRegions.Click += new System.EventHandler(this.F
        //
        // Form1
        //
        this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);
        this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
        this.ClientSize = new System.Drawing.Size(1240, 663);
        this.Controls.Add(this.btnRemoveTextInSelectedRegions);
        this.Controls.Add(this.pdfViewerControl1);
        this.Controls.Add(this.toolStrip1);
        this.Margin = new System.Windows.Forms.Padding(4);
        this.Name = "Form1";
        this.Text = "Form1";
        this.toolStrip1.ResumeLayout(false);
        this.toolStrip1.PerformLayout();
        this.ResumeLayout(false);
        this.PerformLayout();
    }

    #endregion

    private ByteScout.PDFViewer.PDFViewerControl pdfViewerControl1;
    private System.Windows.Forms.ToolStrip toolStrip1;
    private System.Windows.Forms.ToolStripButton tsbOpen;
    private System.Windows.Forms.Button btnRemoveTextInSelectedRegions;
}

```

```
}
```

Form1.cs

```
using System;
using System.Collections.Generic;
using System.Diagnostics;
using System.Drawing;
using System.Windows.Forms;
using Bytescout.PDFExtractor;
using Bytescout.PDFViewer;

namespace Sample_UI_Application
{
    public partial class Form1 : Form
    {
        // Dictionary to keep selected rectangles for all document pages
        private readonly Dictionary<int, RectangleF[]> _dictPageWiseRectangles = new Dictionary<int, RectangleF[]>();

        public Form1()
        {
            InitializeComponent();

            // Load sample document into PDF Viewer control
            pdfViewerControl1.InputFile = "sample.pdf";

            // Tune PDF Viewer control
            pdfViewerControl1.MouseMode = MouseMode.Selection;
            pdfViewerControl1.MultiSelectMode = true;
            pdfViewerControl1.AllowResizeSelectionRectangles = true;
            pdfViewerControl1.ShowResizeHandlesForActiveSelectionOnly = true;
        }

        private void tsbOpen_Click(object sender, EventArgs e)
        {
            using (OpenFileDialog openFileDialog = new OpenFileDialog())
            {
                openFileDialog.Title = @"Open PDF Document";
                openFileDialog.Filter = @"PDF Files (*.pdf)|*.pdf|All Files|*.*";

                if (openFileDialog.ShowDialog() == DialogResult.OK)
                {
                    this.Text = openFileDialog.FileName;

                    Cursor = Cursors.WaitCursor;

                    try
                    {
                        pdfViewerControl1.InputFile = openFileDialog.FileName;
                    }
                    catch { }
                }
            }
        }
    }
}
```

```

        }
        catch (Exception exception)
        {
            MessageBox.Show(exception.Message);
        }
        finally
        {
            Cursor = Cursors.Default;
        }
    }
}

private void BtnRemoveTextInSelectedRegions_Click(object sender, EventArgs e)
{
    using (Remover2 remover = new Remover2("demo", "demo"))
    {
        remover.LoadDocumentFromFile(pdfViewerControl1.InputFile);

        foreach (KeyValuePair<int, RectangleF[]> keyValuePair in _dictPageWiseRectangles)
            remover.AddTextToRemove(keyValuePair.Key, keyValuePair.Value);

        // Remove text from all selected rectangles
        remover.PerformRemoval("output.pdf");
    }

    pdfViewerControl1.CurrentPageIndex = 0;

    MessageBox.Show("Output file created successfully!", "Success");

    // Open output file
    Process.Start("output.pdf");
}

private void PdfViewerControl1_SelectionChanged(object sender, SelectionChangedEventArgs e)
{
    // Store selection changes
    if (selectionChange != SelectionChange.Cleared)
    {
        _dictPageWiseRectangles[pdfViewerControl1.CurrentPageIndex] = pdfViewerControl1.SelectionInPoints;
    }
}

private void PdfViewerControl1_CurrentPageIndexChanged(object sender, EventArgs e)
{
    // Show stored selection on page switching
    if (_dictPageWiseRectangles.ContainsKey(pdfViewerControl1.CurrentPageIndex))
    {
        pdfViewerControl1.SelectionInPoints = _dictPageWiseRectangles[pdfViewerControl1.CurrentPageIndex];
    }
}
}
}

```

```
using System;
using System.Collections.Generic;
using System.Windows.Forms;

namespace Sample_UI_Application
{
    static class Program
    {
        /// <summary>
        /// The main entry point for the application.
        /// </summary>
        [STAThread]
        static void Main()
        {
            Application.EnableVisualStyles();
            Application.SetCompatibleTextRenderingDefault(false);
            Application.Run(new Form1());
        }
    }
}
```

VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

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