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How to remove text from selected regions in C# with ByteScout Premium Suite

How to write a robust code in C# to remove text from selected regions with this step-by-step tutorial

Sample source code below will display you how to manage a complex task like remove text from selected regions in C#. What is ByteScout Premium Suite? It is the bundle that includes twelve SDK products from ByteScout including tools and components for PDF, barcodes, spreadsheets, screen video recording. It can help you to remove text from selected regions in your C# application.

These C# code samples for C# guide developers to speed up coding of the application when using ByteScout Premium Suite. Just copy and paste the code into your C# application's code and follow the instructions. Applying C# application mostly includes various stages of the software development so even if the functionality works please test it with your data and the production environment.

You can download free trial version of ByteScout Premium Suite from our website to see and try many others source code samples for C#.

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Source Code Files:

Form1.Designer.cs

```
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.</param>
        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.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.toolStrip1.ResumeLayout(false);
            this.ResumeLayout(false);
        }

        #endregion
    }
}
```

```

        this.pdfViewerControl1.Size = new System.Drawing.Size(1240, 662);
        this.pdfViewerControl1.TabIndex = 0;
        this.pdfViewerControl1.CurrentPageIndexChanged += new System.EventHandler(this.pdfViewerControl1_CurrentPageIndexChanged);
        this.pdfViewerControl1.SelectionChanged += new Bytescout.PDFViewer.SelectionChangedEventHandler(this.pdfViewerControl1_SelectionChanged);
        //
        // 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("Microsoft Sans Serif", 8F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(0)));
        this.btnRemoveTextInSelectedRegions.Location = new System.Drawing.Point(0, 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.btnRemoveTextInSelectedRegions_Click);
        //
        // 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();
    }

}

#endif

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 Dic-
        
        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 (Exception ex)
                    {
                        MessageBox.Show(ex.Message);
                    }
                }
            }
        }
    }
}
```

```

        }
        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];
    }
}
}
}

```

Program.cs

```
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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