

How to get selection points with PDF viewer UI application in C# and ByteScout PDF Viewer SDK

Write code in C# to get selection points with PDF viewer UI application with this step-by-step tutorial

These source code samples are listed and grouped by their programming language and functions they use. What is ByteScout PDF Viewer SDK? It is the WinForms control for quick implementation of your own pdf reader application. Includes support for multiple area selections using mouse, keyboard shortcuts and zooming in and out. You may also read coordinates, add custom painting code and more. It can help you to get selection points with PDF viewer UI application in your C# application.

The SDK samples like this one below explain how to quickly make your application do get selection points with PDF viewer UI application in C# with the help of ByteScout PDF Viewer SDK. Just copy and paste the code into your C# application's code and follow the instruction. This basic programming language sample code for C# will do the whole work for you to get selection points with PDF viewer UI application.

ByteScout free trial version is available for download from our website. It includes all these programming tutorials along with source code samples.

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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
        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.btnGetSelectionPoints = new System.Windows.Forms.Button();
            this.label1 = new System.Windows.Forms.Label();
            this.label2 = new System.Windows.Forms.Label();
            this.txtSelectionPDFUnit = new System.Windows.Forms.TextBox();
            this.txtSelectionPixel = new System.Windows.Forms.TextBox();
            this.toolStrip1.SuspendLayout();
            this.SuspendLayout();
            //
            // pdfViewerControl1
            //
            this.pdfViewerControl1.Anchor = ((System.Windows.Forms.AnchorStyles)((((System.
            | 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, 127);
            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, 605);
this.pdfViewerControl1.TabIndex = 0;
//
// 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.Image = global::Sample_UI_Application.Properties.Resources.f...
this.tsbOpen.ImageTransparentColor = System.Drawing.Color.Magenta;
this.tsbOpen.Name = "tsbOpen";
this.tsbOpen.Size = new System.Drawing.Size(99, 24);
this.tsbOpen.Text = "&Open PDF";
this.tsbOpen.Click += new System.EventHandler(this.tsbOpen_Click);
//
// btnGetSelectionPoints
//
this.btnGetSelectionPoints.Font = new System.Drawing.Font("Microsoft Sans S...
this.btnGetSelectionPoints.Location = new System.Drawing.Point(5, 41);
this.btnGetSelectionPoints.Name = "btnGetSelectionPoints";
this.btnGetSelectionPoints.Size = new System.Drawing.Size(172, 69);
this.btnGetSelectionPoints.TabIndex = 2;
this.btnGetSelectionPoints.Text = "Get Selection Points";
this.btnGetSelectionPoints.UseVisualStyleBackColor = true;
this.btnGetSelectionPoints.Click += new System.EventHandler(this.btnGetSele...
//
// label1
//
this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F, ((
this.label1.Location = new System.Drawing.Point(183, 41);
this.label1.Name = "label1";
this.label1.RightToLeft = System.Windows.Forms.RightToLeft.Yes;
this.label1.Size = new System.Drawing.Size(277, 25);
this.label1.TabIndex = 3;
this.label1.Text = "Selection in PDF Units";
//
// label2
//
this.label2.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F, ((
this.label2.Location = new System.Drawing.Point(183, 85);
this.label2.Name = "label2";
this.label2.RightToLeft = System.Windows.Forms.RightToLeft.Yes;
this.label2.Size = new System.Drawing.Size(277, 25);
this.label2.TabIndex = 4;
this.label2.Text = "Selection in Pixels";
//
// txtSelectionPDFUnit
//

```

```

this.txtSelectionPDFUnit.Font = new System.Drawing.Font("Microsoft Sans Se
this.txtSelectionPDFUnit.Location = new System.Drawing.Point(466, 41);
this.txtSelectionPDFUnit.Multiline = true;
this.txtSelectionPDFUnit.Name = "txtSelectionPDFUnit";
this.txtSelectionPDFUnit.ReadOnly = true;
this.txtSelectionPDFUnit.Size = new System.Drawing.Size(761, 25);
this.txtSelectionPDFUnit.TabIndex = 5;
//
// txtSelectionPixel
//
this.txtSelectionPixel.Font = new System.Drawing.Font("Microsoft Sans Seri
this.txtSelectionPixel.Location = new System.Drawing.Point(466, 85);
this.txtSelectionPixel.Multiline = true;
this.txtSelectionPixel.Name = "txtSelectionPixel";
this.txtSelectionPixel.ReadOnly = true;
this.txtSelectionPixel.Size = new System.Drawing.Size(761, 25);
this.txtSelectionPixel.TabIndex = 6;
//
// 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.txtSelectionPixel);
this.Controls.Add(this.txtSelectionPDFUnit);
this.Controls.Add(this.label2);
this.Controls.Add(this.label1);
this.Controls.Add(this.btnGetSelectionPoints);
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 btnGetSelectionPoints;
private System.Windows.Forms.Label label1;
private System.Windows.Forms.Label label2;
private System.Windows.Forms.TextBox txtSelectionPDFUnit;
private System.Windows.Forms.TextBox txtSelectionPixel;
}
}

```

```
using System;
using System.Drawing;
using System.Windows.Forms;

namespace Sample_UI_Application
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();

            // Assign default document
            pdfViewerControl1.InputFile = "sample.pdf";

            // Initially set selection
            pdfViewerControl1.Selection = new Rectangle[] { new Rectangle(20, 20, 100,

            // Get Selection Information
            GetSelectionInformation();

        }

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

        private void btnGetSelectionPoints_Click(object sender, EventArgs e)
        {
            GetSelectionInformation();
        }
    }
}
```



```
    /// <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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