

## custom multikey press event handling in C# and ByteScout PDF Viewer SDK

Learn to code custom multikey press event handling in C#: How-To tutorial

ByteScout tutorials describe the stuff for programmers who use C#. Custom multikey press event handling in C# can be applied with ByteScout PDF Viewer SDK. ByteScout PDF Viewer SDK is the component that helps in adding pdf viewer into your desktop WinForms application. User may select multiple areas with mouse, can use keyboard shortcuts and zoom in or zoom out and change scaling. You may read coordinates, handle custom painting code and retrieve text inside selection area.

If you want to quickly learn then these fast application programming interfaces of ByteScout PDF Viewer SDK for C# plus the guideline and the C# code below will help you quickly learn custom multikey press event handling. To use custom multikey press event handling in your C# project or application just copy & paste the code and then run your app! Enjoy writing a code with ready-to-use sample C# codes to implement custom multikey press event handling using ByteScout PDF Viewer SDK.

On our website you may get trial version of ByteScout PDF Viewer SDK for free. Source code samples are included to help you with your C# application.

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Source Code Files:

```

namespace MultikeyPressEventHandling
{
    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.toolStrip1.SuspendLayout();
            this.SuspendLayout();
            //
            // pdfViewerControl1
            //
            this.pdfViewerControl1.BackColor = System.Drawing.SystemColors.ButtonShadow;
            this.pdfViewerControl1.Dock = System.Windows.Forms.DockStyle.Fill;
            this.pdfViewerControl1.Location = new System.Drawing.Point(0, 27);
            this.pdfViewerControl1.Margin = new System.Windows.Forms.Padding(4);
            this.pdfViewerControl1.MouseMode = Bytescout.PDFViewer.MouseMode.Hand;
            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(1123, 636);
            this.pdfViewerControl1.TabIndex = 0;
            this.pdfViewerControl1.PreProcessKey += new Bytescout.PDFViewer.PreProcessKey

```

```

//
// 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(1123, 27);
this.toolStrip1.TabIndex = 1;
this.toolStrip1.Text = "toolStrip1";
//
// tsbOpen
//
this.tsbOpen.Image = global::MultikeyPressEventHandling.Properties.Resources.Resource1;
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);
//
// Form1
//
this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);
this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
this.ClientSize = new System.Drawing.Size(1123, 663);
this.Controls.Add(this.pdfViewerControl1);
this.Controls.Add(this.toolStrip1);
this.Margin = new System.Windows.Forms.Padding(4);
this.Name = "Form1";
this.Text = "MultiKey Press Event - Try Shift+A, Ctrl-Alt-Shift-A";
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;
}
}

```

Form1.cs

```
using System;
```

```

using System.Windows.Forms;

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

        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 PdfViewerControl1_PreProcessKey(object source, Keys keyData, ref bool handled)
        {
            if (keyData == (Keys.A | Keys.Shift))
            {
                MessageBox.Show("Shift-A");
                handled = true;
            }

            if (keyData == (Keys.A | Keys.Control | Keys.Alt | Keys.Shift))
            {
                MessageBox.Show("Ctrl-Alt-Shift-A");
                handled = true;
            }
        }
    }
}

```

Program.cs

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

namespace MultikeyPressEventHandling
{
    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());
        }
    }
}
```

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VIDEO

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

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