

# Scroll Shapes

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using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;

using System.Text;
using System.Windows.Forms;

public class Form1 : Form {
    private Point rectangleTopLeft = new Point(0, 0);
    private Size rectangleSize = new Size(200, 200);
    private Point ellipseTopLeft = new Point(50, 200);
    private Size ellipseSize = new Size(200, 150);
    private Pen bluePen = new Pen(Color.Blue, 3);
    private Pen redPen = new Pen(Color.Red, 2);

    protected override void OnPaint(PaintEventArgs e) {
        base.OnPaint(e);
        Graphics dc = e.Graphics;
        Size scrollOffset = new Size(this.AutoScrollPosition);
        if (e.ClipRectangle.Top + scrollOffset.Width < 350 ||
            e.ClipRectangle.Left + scrollOffset.Height < 250) { Rectangle
            rectangleArea = new Rectangle (rectangleTopLeft +
            scrollOffset, rectangleSize); Rectangle ellipseArea = new
            Rectangle (ellipseTopLeft + scrollOffset, ellipseSize);
            dc.DrawRectangle(bluePen, rectangleArea);
            dc.DrawEllipse(redPen, ellipseArea); } } public Form1() {
            this.BackColor = Color.White; this.Size = new
            System.Drawing.Size(300, 300); this.AutoScrollMinSize = new
            Size(250, 350); } public static void Main() {
            Application.Run(new Form1()); } } [/csharp]
```