

```
1 using System;
2 using System.Collections.Generic;
3 using SplashKitSDK;
4
5 namespace DrawingShape
6 {
7     public class Program
8     {
9         private enum ShapeKind
10        {
11            Rectangle,
12            Circle,
13            Line
14        }
15
16        public static void Main()
17        {
18            ShapeKind kindToAdd = ShapeKind.Circle;
19            Window window = new Window("Shape Drawer", 800, 600);
20            Drawing myDrawing = new Drawing();
21            do
22            {
23                SplashKit.ProcessEvents();
24                SplashKit.ClearScreen();
25                if (SplashKit.KeyTyped(KeyCode.RKey))
26                {
27                    kindToAdd = ShapeKind.Rectangle;
28                }
29                if (SplashKit.KeyTyped(KeyCode.CKey))
30                {
31                    kindToAdd = ShapeKind.Circle;
32                }
33                if (SplashKit.KeyTyped(KeyCode.LKey))
34                {
35                    kindToAdd = ShapeKind.Line;
36                }
37                if (SplashKit.MouseClicked(MouseButton.LeftButton))
38                {
39                    Shape newShape;
40                    switch (kindToAdd)
41                    {
42                        case ShapeKind.Circle:
43                            newShape = new MyCircle();
44                            break;
45
46                        case ShapeKind.Line:
47                            newShape = new MyLine();
48                            break;
49
```

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50         default:
51             newShape = new MyRectangle();
52             break;
53         }
54         newShape.X = SplashKit.MouseX();
55         newShape.Y = SplashKit.MouseY();
56         myDrawing.AddShape(newShape);
57     }
58     Point2D pt = SplashKit.MousePosition();
59     if(SplashKit.KeyTyped(KeyCode.SpaceKey))
60     {
61         myDrawing.Background = SplashKit.RandomRGBColor(255);
62     }
63     if(SplashKit.MouseClicked(MouseButton.RightButton))
64     {
65         foreach(Shape s in myDrawing.Shapes)
66         {
67             if(s.IsAt(pt))
68             {
69                 s.Selected = !s.Selected;
70             }
71         }
72     }
73     if(SplashKit.KeyTyped(KeyCode.DeleteKey) ||
74        SplashKit.KeyTyped(KeyCode.BackspaceKey))
75     {
76         for (int i = myDrawing.ShapeCount - 1; i >= 0; i--)
77         {
78             if (myDrawing.Shapes[i].Selected)
79             {
80                 myDrawing.Shapes.RemoveAt(i);
81             }
82         }
83         myDrawing.Draw();
84         SplashKit.RefreshScreen();
85     } while (!window.CloseRequested);
86 }
87 }
88 }
89 }
```