

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

```
50         break;
51
52         case ShapeKind.Line:
53             myShape = new MyLine();
54             break;
55
56         default:
57             myShape = new MyRectangle();
58             break;
59     }
60
61     myShape.X = SplashKit.MouseX();
62     myShape.Y = SplashKit.MouseY();
63
64     myDrawing.AddShape(myShape);
65 }
66
67 Point2D myPoint = new Point2D()
68 {
69     X = SplashKit.MouseX()
70     , Y = SplashKit.MouseY()
71 };
72
73 if (SplashKit.KeyTyped(KeyCode.SpaceKey))
74 {
75     myDrawing.Background = SplashKit.RandomColor();
76 }
77
78 if (SplashKit.MouseClicked(MouseButton.RightButton))
79 {
80     myDrawing.SelectShapesAt(myPoint);
81 }
82
83 if ((SplashKit.KeyTyped(KeyCode.DeleteKey)) |
84     (SplashKit.KeyTyped(KeyCode.BackspaceKey)))
85 {
86     foreach (Shape shape in myDrawing.SelectedShapes)
87     {
88         myDrawing.RemoveShape(shape);
89     }
90 }
91
92 myDrawing.Draw();
93
94 SplashKit.RefreshScreen();
95 }
96 while (!window.CloseRequested);
97 }
```

98 }

99