

```
1  using SplashKitSDK;
2  using System.ComponentModel;
3  using System.Security.Cryptography.X509Certificates;
4
5  namespace ShapeDrawer
6  {
7      public class Drawing
8      {
9          private readonly List<Shape> _shapes;
10         private Color _background;
11
12         public Color Background
13         {
14             get => _background;
15             set => _background = value;
16         }
17
18         public Drawing(Color background)
19         {
20             _shapes = new List<Shape>();
21             _background = background;
22         }
23
24         public Drawing() : this (Color.White)
25         {
26             _shapes = new List<Shape>();
27             _background = Color.White;
28         }
29
30         public int ShapeCount
31         {
32             get => _shapes.Count;
33         }
34
35         public void AddShape(Shape shape)
36         {
37             _shapes.Add(shape);
38         }
39
40         public void RemoveShape(Shape shape)
41         {
42             _= _shapes?.Remove(shape);
43         }
44
45         public void Draw()
46         {
47             SplashKit.ClearScreen(_background);
48             for (int i = 0; i < _shapes.Count; i++)
49             {
```

```
50             if (_shapes[i].Selected)
51             {
52                 _shapes[i].DrawOutline();
53             }
54             _shapes[i].Draw();
55         }
56     }
57
58     public void SelectShapesAt(Point2D point)
59     {
60         foreach (Shape s in _shapes)
61         {
62             s.Selected = s.IsAt(point);
63         }
64     }
65
66     public List<Shape> SelectedShapes
67     {
68         get
69         {
70             List<Shape> result = new List<Shape>();
71             foreach (Shape s in _shapes)
72             {
73                 if (s.Selected)
74                 {
75                     result.Add(s);
76                 }
77             }
78             return result;
79         }
80     }
81 }
82 }
83 }
```