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1: // $Id: tictactoe.java,v 1.1 2012-05-31 22:20:30-07 - - $
2:
3: import java.awt.*;
4: import java.awt.event.*;
5: import javax.swing.*;
6: import static java.lang.System.*;
7:
8: class tictactoe {
9:
10:     static class mouse implements MouseListener {
11:         Color defaultForeground = Color.BLACK;
12:         Color defaultBackground = Color.WHITE;
13:
14:         public void mouseClicked (MouseEvent event) {
15:             int which = event.getButton();
16:             JButton button = (JButton) event.getComponent();
17:             switch (which) {
18:                 case MouseEvent.BUTTON1: button.setText ("X"); break;
19:                 case MouseEvent.BUTTON2: button.setText ("O"); break;
20:                 case MouseEvent.BUTTON3: button.setText (" "); break;
21:             }
22:         }
23:
24:         public void mouseEntered (MouseEvent event) {
25:             JButton button = (JButton) event.getComponent();
26:             defaultForeground = button.getForeground();
27:             defaultBackground = button.getBackground();
28:             button.setForeground (Color.BLUE);
29:             button.setBackground (Color.RED);
30:         }
31:
32:         public void mouseExited (MouseEvent event) {
33:             JButton button = (JButton) event.getComponent();
34:             button.setForeground (defaultForeground);
35:             button.setBackground (defaultBackground);
36:         }
37:
38:         public void mousePressed (MouseEvent event) {
39:             Toolkit.getDefaultToolkit().beep();
40:         }
41:
42:         public void mouseReleased (MouseEvent event) {
43:             Toolkit.getDefaultToolkit().beep();
44:         }
45:     }
46: }
47:
```

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48:
49:     public static void main (String[] args) {
50:         JFrame frame = new JFrame ("Tic Tac Toe");
51:         Container pane = frame.getContentPane();
52:         Font xo_font = new Font ("Monospaced", Font.BOLD, 128);
53:         JPanel buttons = new JPanel();
54:         buttons.setLayout (new GridLayout (3, 3));
55:         for (int index = 0; index < 3; ++index) {
56:             for (int jindex = 0; jindex < 3; ++jindex) {
57:                 JButton button = new JButton ("");
58:                 button.setFont (xo_font);
59:                 button.setText (" ");
60:                 button.addMouseListener (new mouse());
61:                 buttons.add (button);
62:             }
63:         }
64:         pane.add (buttons);
65:         frame.pack();
66:         frame.setLocation (64, 64);
67:         frame.setVisible (true);
68:     }
69: }
70:
71: // Primary colors:
72: //    0    0    0 black
73: //    0    0 255 blue
74: //    0 255    0 green
75: //    0 255 255 cyan
76: // 255    0    0 red
77: // 255    0 255 magenta
78: // 255 255    0 yellow
79: // 255 255 255 white
80:
```