

lists.java

```

1 package lab6;
2
3 import java.awt.BorderLayout;
19
20 public class lists {
21     JFrame frame ;
22     JPanel pNames, pCenter, pColors, pSubmit ;
23     JList listNames , ListColors;
24     String [] colorNames = {"red", "green", "blue", "yellow", "black"} ;
25     String [] listDefault = {"Nothing yet"} ;
26     Color [] colors = {Color.RED , Color.GREEN, Color.BLUE , Color.YELLOW, Color.BLACK} ;
27     String [] names = new String [20] ;
28     int nameCounter = 0 ;
29     JLabel lNames , ltypeName , lBGColor, status ;
30     JTextField tfName ;
31     JButton submit ;
32     JScrollPane sc1 , sc2 ;
33     JCheckBox check ;
34
35     public lists () {
36         frame = new JFrame () ;
37
38         pNames = new JPanel() ;
39         pCenter = new JPanel() ;
40         pColors = new JPanel() ;
41         pSubmit = new JPanel() ;
42
43         listNames = new JList(listDefault) ;
44         ListColors = new JList (colorNames) ;
45
46         sc1 = new JScrollPane(listNames);
47         sc2 = new JScrollPane(ListColors) ;
48
49         lBGColor = new JLabel("Choose BK color") ;
50         lNames = new JLabel("List Of Names : ") ;
51         ltypeName = new JLabel("Name ?") ;
52         status = new JLabel("Good morning") ;
53
54         tfName = new JTextField(10) ;
55
56         submit = new JButton("Submit") ;
57
58         check = new JCheckBox("Agree ..") ;
59
60         pCenter.setLayout(new BorderLayout());
61         pNames.setLayout(new BorderLayout());
62         pColors.setLayout(new BorderLayout());
63
64         listNames.setVisibleRowCount(4);
65         listNames.setSelectionMode(ListSelectionModel.SINGLE_SELECTION);
66         ListColors.setVisibleRowCount(4);
67         ListColors.setSelectionMode(ListSelectionModel.SINGLE_SELECTION);
68
69         pNames.add(lNames , BorderLayout.NORTH);
70         pNames.add(sc1, BorderLayout.CENTER);
71
72         pColors.add(lBGColor , BorderLayout.NORTH);
73         pColors.add(sc2, BorderLayout.CENTER);
74
75         pSubmit.add(ltypeName) ;
76         pSubmit.add(tfName) ;
77         pSubmit.add(submit ) ;

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78
79     pCenter.add(pSubmit, BorderLayout.CENTER ) ;
80     pCenter.add(check, BorderLayout.SOUTH ) ;
81
82     submit.addActionListener(new ActionListener() {
83
84         @Override
85         public void actionPerformed(ActionEvent arg0) {
86             // TODO Auto-generated method stub
87             if (nameCounter < 20 && check.isSelected() ){
88                 names [nameCounter] = tfName.getText() ;
89                 nameCounter ++;
90                 listNames.setListData(names);
91                 status.setText("you have added the user..") ;
92             }
93             else {
94                 status.setText("add failed..") ;
95             }
96         }
97     });
98
99
100
101     ListColors.addListSelectionListener(new ListSelectionListener() {
102
103         @Override
104         public void valueChanged(ListSelectionEvent arg0) {
105             // TODO Auto-generated method stub
106             pCenter.setBackground(colors[ListColors.getSelectedIndex()]);
107             pColors.setBackground(colors[ListColors.getSelectedIndex()]);
108             pNames.setBackground(colors[ListColors.getSelectedIndex()]);
109             pSubmit.setBackground(colors[ListColors.getSelectedIndex()]);
110             frame.getContentPane().setBackground(colors[ListColors.getSelectedIndex()]);
111             status.setText("you have changed the color to " +
112                 colorNames[ListColors.getSelectedIndex()] );
113         }
114     });
115
116     frame.add(pNames, BorderLayout.WEST);
117     frame.add(pCenter, BorderLayout.CENTER);
118     frame.add(pColors, BorderLayout.EAST);
119     frame.add(status, BorderLayout.SOUTH);
120
121     frame.pack();
122     frame.setVisible(true);
123     frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
124
125
126
127 }
128
129 public static void main (String [] args) {
130     lists test = new lists() ;
131 }
132
133
134 }
135

```