```
2 * To change this license header, choose License Headers in Project Properties.
6 package chatclient;
8 import com.nxkundu.client.service.ClientService;
9 import com.nxkundu.server.bo.Client;
10 import com.nxkundu.server.bo.DataPacket;
11
12 /**
13 *
14 * @author nxkundu
15 *
16 * @email nxk161830@utdallas.edu
17 * @name Nirmallya Kundu
18 *
19 * LOGIN/SIGNUP SCREEN UI
20 *
21 * This class contains the main LOGIN/SIGNUP screen
22 * WHERE the First time user can SIGNUP
23 * AND Returning user can LOGIN
24 */
25 public class Login extends javax.swing.JFrame {
26
27
      private static Login loginScreen;
28
       * Creates new form Login
29
30
      private Login() {
31
32
          initComponents();
33
          loginEmail.grabFocus();
34
      }
35
      public static Login getInstance() {
36
          if(loginScreen == null) {
37
38
              loginScreen = new Login();
39
          return loginScreen;
40
41
```

```
42
      /**
43
44
       * This method is called from within the constructor to initialize the form.
45
       * WARNING: Do NOT modify this code. The content of this method is always
       * regenerated by the Form Editor.
46
       */
47
48
      @SuppressWarnings("unchecked")
      // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents
49
50
      private void initComponents() {
51
          iPanel1 = new javax.swing.JPanel();
52
          jLabel6 = new javax.swing.JLabel();
53
54
          iPanel2 = new iavax.swina.JPanel():
55
          btnSignup = new iavax.swing.JButton():
          jLabel3 = new javax.swing.JLabel();
56
          jLabel4 = new javax.swing.JLabel();
57
          signupEmail = new javax.swing.JTextField();
58
          signupPassword = new javax.swing.JPasswordField();
59
60
          iLabel5 = new iavax.swina.JLabel():
          signupName = new javax.swing.JTextField();
61
          signupErrorLabel = new javax.swing.JLabel();
62
          ¡Panel3 = new javax.swing.JPanel();
63
          jLabel1 = new javax.swing.JLabel();
64
          loainEmail = new javax.swing.JTextField();
65
          jLabel2 = new javax.swing.JLabel();
66
          loginPassword = new javax.swing.JPasswordField();
67
68
          buttonLogin = new javax.swing.JButton();
69
          loginErrorLabel = new javax.swing.JLabel();
70
          setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
71
72
73
          ¡Panel1.setBorder(javax.swing.BorderFactory.createTitledBorder(""));
74
75
          jLabel6.setFont(new java.awt.Font("Lucida Grande", 1, 24)); // NOI18N
76
          jLabel6.setIcon(new javax.swing.ImageIcon(getClass().getResource("/img/icon1.png"))); // NOI18N
                                 Chat Application");
77
          iLabel6.setText("
78
```

```
79
            javax.swing.GroupLayout iPanel1Layout = new javax.swing.GroupLayout(iPanel1);
           iPanel1.setLayout(iPanel1Layout);
 80
 81
           ¡Panel1Layout.setHorizontalGroup(
 82
               iPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alianment.LEADING)
 83
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addContainerGap()
 84
                    .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 486, javax.swing.GroupLayout.PREFERRED_SIZE)
 85
 86
                    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
 87
           );
 88
           iPanel1Lavout.setVerticalGroup(
               iPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
 89
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
 90
                    .addContainerGap()
 91
 92
                    .addComponent(iLabel6, iavax.swina.GroupLayout.PREFERRED_SIZE, 96, Short.MAX_VALUE))
           );
 93
 94
 95
           iPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(""));
 96
 97
           btnSignup.setText("Signup"):
           btnSignup.addMouseListener(new java.awt.event.MouseAdapter() {
 98
               public void mouseClicked(java.awt.event.MouseEvent evt) {
 99
                   btnSignupMouseClicked(evt);
100
101
102
           });
103
           jLabel3.setText("Password");
104
105
106
           jLabel4.setText("Email");
107
           signupEmail.addActionListener(new java.awt.event.ActionListener() {
108
               public void actionPerformed(java.awt.event.ActionEvent evt) {
109
                   signupEmailActionPerformed(evt);
110
111
               }
112
           });
113
           jLabel5.setText("Name");
114
115
```

```
116
           signupErrorLabel.setText("New User PleaseSignup!");
117
            javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
118
119
           iPanel2.setLayout(iPanel2Layout);
            iPanel2Layout.setHorizontalGroup(
120
121
                iPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alianment.LEADING)
122
                .addGroup(jPanel2Layout.createSequentialGroup()
123
                    .addContainerGap()
124
                    .addGroup(iPanel2Layout.createParallelGroup(iavax.swina.GroupLayout.Alianment.LEADING)
125
                        .addComponent(btnSianup, javax.swina.GroupLayout.DEFAULT_SIZE, 224, Short.MAX_VALUE)
126
                        .addGroup(iPanel2Lavout.createSeauentialGroup()
127
                            .addGroup(iPanel2Layout.createParallelGroup(iavax.swina.GroupLayout.Alianment.LEADING)
128
                                .addComponent(iLabel3)
129
                                .addComponent(iLabel5)
130
                                .addComponent(iLabel4))
131
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
132
133
                                .addComponent(signupEmail)
                                .addComponent(signupPassword)
134
                                .addComponent(signupName)))
135
                        .addGroup(jPanel2Layout.createSequentialGroup()
136
137
                            .addComponent(signupErrorLabel)
138
                            .addGap(0, 0, Short.MAX_VALUE)))
139
                    .addContainerGap())
140
           ):
            iPanel2Lavout.setVerticalGroup(
141
142
                jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
143
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
144
                    .addGap(37, 37, 37)
                    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alianment.BASELINE)
145
                        .addComponent(iLabel4)
146
                        .addComponent(signupEmail, javax.swing.GroupLayout.PREFERRED_SIZE, 32, javax.swing.GroupLayout.PREFERRED_SIZE))
147
                    .addPreferredGap(iavax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE,
148
   Short. MAX_VALUE)
149
                    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
150
                        .addComponent(iLabel3)
                        .addComponent(signupPassword, javax.swing.GroupLayout.PREFERRED_SIZE, 32, javax.swing.GroupLayout.PREFERRED_SIZE))
151
```

```
152
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
153
                    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
154
                        .addComponent(jLabel5)
155
                        .addComponent(signupName, javax.swing.GroupLayout.PREFERRED_SIZE, 32, javax.swing.GroupLayout.PREFERRED_SIZE))
156
                    .addGap(11, 11, 11)
157
                    .addComponent(signupErrorLabel)
158
                    .addGap(18, 18, 18)
159
                    .addComponent(btnSignup, javax.swing.GroupLayout.PREFERRED_SIZE, 35, javax.swing.GroupLayout.PREFERRED_SIZE)
160
                    .addContainerGap())
           );
161
162
163
           btnSignup.getAccessibleContext().setAccessibleName("signupButton");
164
           signupEmail.aetAccessibleContext().setAccessibleName("signupEmail");
165
           signupPassword.aetAccessibleContext().setAccessibleName("signupPassword"):
           signupName.getAccessibleContext().setAccessibleName("signupName");
166
167
168
           iPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(""));
169
           ¡Panel3.setPreferredSize(new java.awt.Dimension(225, 239));
170
171
           jLabel1.setText("Email");
172
173
           loginEmail.addActionListener(new java.awt.event.ActionListener() {
174
               public void actionPerformed(java.awt.event.ActionEvent evt) {
175
                   loginEmailActionPerformed(evt):
176
177
           });
178
179
           jLabel2.setText("Password");
180
           loainPassword.addActionListener(new java.awt.event.ActionListener() {
181
                public void actionPerformed(iava.awt.event.ActionEvent evt) {
182
183
                   loginPasswordActionPerformed(evt);
184
               }
185
           });
186
187
           buttonLogin.setText("Login");
188
           buttonLogin.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
189
                public void mouseClicked(java.awt.event.MouseEvent evt) {
190
                   buttonLoginMouseClicked(evt);
               }
191
192
           });
193
           buttonLogin.addActionListener(new java.awt.event.ActionListener() {
               public void actionPerformed(java.awt.event.ActionEvent evt) {
194
195
                   buttonLoginActionPerformed(evt);
               }
196
197
           });
198
           loginErrorLabel.setText("Returning User Please Login!");
199
200
201
            iavax.swina.GroupLayout iPanel3Layout = new iavax.swina.GroupLayout(iPanel3);
202
           iPanel3.setLavout(iPanel3Lavout):
203
           iPanel3Lavout.setHorizontalGroup(
               iPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
204
205
                .addGroup(jPanel3Layout.createSequentialGroup()
206
                    .addContainerGap()
207
                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()
208
                            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
209
                                .addComponent(buttonLogin, javax.swing.GroupLayout.DEFAULT_SIZE, 227, Short.MAX_VALUE)
210
211
                                .addGroup(jPanel3Layout.createSequentialGroup()
                                    .addGroup(iPanel3Layout.createParallelGroup(iavax.swina.GroupLayout.Alianment.LEADING)
212
213
                                        .addComponent(iLabel1)
214
                                        .addComponent(jLabel2))
                                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
215
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
216
                                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                                        .addComponent(loginPassword, javax.swing.GroupLayout.DEFAULT_SIZE, 135, Short.MAX_VALUE)
217
                                        .addComponent(loginEmail))))
218
219
                            .addContainerGap())
220
                        .addGroup(jPanel3Layout.createSequentialGroup()
221
                            .addComponent(loginErrorLabel, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
   Short. MAX_VALUE)
222
                            .addGap(44, 44, 44))))
           );
223
```

```
224
           iPanel3Layout.setVerticalGroup(
225
                iPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alianment.LEADING)
226
               .addGroup(jPanel3Layout.createSequentialGroup()
227
                    .addGap(57, 57, 57)
228
                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
229
                        .addComponent(jLabel1)
                        .addComponent(loginEmail, javax.swing.GroupLayout.PREFERRED_SIZE, 32, javax.swing.GroupLayout.PREFERRED_SIZE))
230
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
231
232
                    .addGroup(iPanel3Layout.createParallelGroup(iayax.swina.GroupLayout.Alianment.BASELINE)
233
                        .addComponent(iLabel2)
                        .addComponent(loginPassword, javax.swing.GroupLayout.PREFERRED_SIZE, 32, javax.swing.GroupLayout.PREFERRED_SIZE))
234
                    .addPreferredGap(iavax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE,
235
   Short. MAX_VALUE)
236
                    .addComponent(loginErrorLabel)
237
                    .addGap(18, 18, 18)
                    .addComponent(buttonLogin, javax.swing.GroupLayout.PREFERRED_SIZE, 35, javax.swing.GroupLayout.PREFERRED_SIZE)
238
239
                    .addContainerGap())
240
           );
241
242
           loginEmail.getAccessibleContext().setAccessibleName("loginEmail");
           loginPassword.getAccessibleContext().setAccessibleName("loginPassword");
243
244
           buttonLogin.getAccessibleContext().setAccessibleName("loginButton");
245
           iavax.swina.GroupLavout lavout = new iavax.swina.GroupLavout(aetContentPane());
246
           aetContentPane().setLavout(lavout):
247
           layout.setHorizontalGroup(
248
249
               layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
250
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
251
                    .addGap(12, 12, 12)
                    .addGroup(layout.createParallelGroup(jayax.swina.GroupLayout.Alianment.TRAILING)
252
                        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, 501, Short.MAX_VALUE)
253
254
                        .addGroup(layout.createSequentialGroup()
                            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
255
   javax.swing.GroupLayout.PREFERRED_SIZE)
256
                            .addGap(18, 18, 18)
                            .addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT_SIZE, 243, Short.MAX_VALUE)))
257
258
                    .addGap(14, 14, 14))
```

```
);
259
           layout.setVerticalGroup(
260
               layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
261
262
               .addGroup(layout.createSequentialGroup()
263
                    .addGap(12, 12, 12)
264
                    .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
   javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
265
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
266
                        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
267
268
                        .addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT_SIZE, 235, Short.MAX_VALUE))
269
                    .addContainerGap())
270
           );
271
272
           pack();
273
       }// </editor-fold>//GEN-END:initComponents
274
275
       private void loginPasswordActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_loginPasswordActionPerformed
276
           // TODO add your handling code here:
277
       }//GEN-LAST:event loginPasswordActionPerformed
278
279
       private void buttonLoginActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_buttonLoginActionPerformed
280
           // TODO add your handling code here:
       }//GEN-LAST:event buttonLoginActionPerformed
281
282
283
       private void loginEmailActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_loginEmailActionPerformed
           // TODO add your handling code here:
284
285
       }//GEN-LAST:event_loginEmailActionPerformed
286
287
       private void signupEmailActionPerformed(igva.awt.event.ActionEvent evt) {//GEN-FIRST:event signupEmailActionPerformed
           // TODO add your handling code here:
288
       }//GEN-LAST:event_signupEmailActionPerformed
289
290
291
292
        * buttonLoainMouseClicked()
293
        * This method handles when the User Loain
294
        * @param evt
```

```
*/
295
       private void buttonLoginMouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event_buttonLoginMouseClicked
296
           // TODO add your handling code here:
297
298
299
           String email = loginEmail.getText();
           String password = String.valueOf(loginPassword.getPassword());
300
           System.out.println(email + " " + password);
301
302
303
           if(email.isEmpty() || password.length() == 0) {
304
               if(email.isEmpty()) {
305
                   loginErrorLabel.setText("Please Enter Email to login");
306
307
               }
308
               else if(password.length() == 0) {
                   loginErrorLabel.setText("Please Enter Password to login");
309
               }
310
311
               return;
312
           }
313
           else {
314
315
               loginErrorLabel.setText("Loggin In !");
316
           }
317
318
           ClientService clientService = ClientService.getInstance();
           clientService.login(email, password);
319
320
           Thread threadLogin = new Thread("LoginThread") {
321
322
323
               @Override
               public void run() {
324
325
                   int retry = 0;
326
327
328
                   while(true) {
329
330
                       retry += 1;
331
```

```
332
                       if(clientService.getqSignupLoginLogoutDataPacket().size() > 0) {
                           DataPacket loginACKDataPacket = clientService.getqSignupLoginLogoutDataPacket().poll();
333
334
                           System.out.println("Received Packet = " + loginACKDataPacket);
335
                           clientService.getClient().setPassword("");
                           switch (loginACKDataPacket.getAction()) {
336
337
338
                           case DataPacket.ACTION_TYPE_LOGIN_SUCCESS:
339
                                System.out.println("Login Success!");
340
                               loginErrorLabel.setText(loginACKDataPacket.getMessage());
341
                               Client client = clientService.getClient();
342
                               ChatScreen chatScreen = new ChatScreen(client, clientService);
343
344
                                chatScreen.setVisible(true):
345
                               Login.getInstance().setVisible(false);
                               break;
346
347
348
                           case DataPacket.ACTION_TYPE_LOGIN_FAILED:
349
350
                               System.out.println("Login Failed!");
                               loginErrorLabel.setText(loginACKDataPacket.getMessage());
351
352
                                break;
353
                           }
354
355
                           break:
356
357
358
                       try {
359
360
                           Thread. sleep(500);
                       }
361
                       catch(Exception e) {
362
363
                           e.printStackTrace();
364
                       }
365
366
                       if(retry % 5 == 0) {
367
                           clientService.login(email, password);
368
```

```
369
                       }
370
371
                   }
372
               }
373
           };
374
375
376
           threadLogin.start();
377
       }//GEN-LAST:event_buttonLoginMouseClicked
378
       /**
379
        * btnSignupMouseClicked()
380
        * This method handles the User SIGNUP
381
382
        * @param evt
383
        */
       private void btnSignupMouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event_btnSignupMouseClicked
384
385
           // TODO add your handling code here:
386
387
           String email = signupEmail.getText();
           String password = String.valueOf(signupPassword.getPassword());
388
           System.out.println(email + " " + password);
389
390
           if(email.isEmpty() | | password.length() == 0) {
391
392
               if(email.isEmpty()) {
393
                   signupErrorLabel.setText("Please Enter Email to login");
394
395
               else if(password.length() == 0) {
396
397
                   signupErrorLabel.setText("Please Enter Password to login");
               }
398
399
               return;
           }
400
           else {
401
402
403
               signupErrorLabel.setText("Signning Up !");
           }
404
405
```

```
ClientService clientService = ClientService.getInstance();
406
           clientService.signup(email, password);
407
408
409
           Thread signupThread = new Thread("SignupThread") {
410
411
               @Override
               public void run() {
412
413
414
                   int retry = 0;
415
                   while(true) {
416
417
418
                       retry += 1;
419
                       if(clientService.getqSignupLoginLogoutDataPacket().size() > 0) {
420
421
                           DataPacket signupACKDataPacket = clientService.getqSignupLogoutDataPacket().poll();
422
                           System.out.println("Received Packet = " + signupACKDataPacket);
423
                           clientService.getClient().setPassword("");
424
                           switch (signupACKDataPacket.getAction()) {
425
426
                           case DataPacket.ACTION_TYPE_LOGIN_SUCCESS:
427
                               System.out.println("Signup Success!");
428
                               signupErrorLabel.setText(signupACKDataPacket.getMessage());
429
430
                               Client client = clientService.getClient();
                               ChatScreen chatScreen = new ChatScreen(client, clientService);
431
432
                               chatScreen.setVisible(true);
433
                               Login.getInstance().setVisible(false);
                               break;
434
435
436
                           case DataPacket.ACTION_TYPE_SIGNUP_FAILED:
437
438
                               System.out.println("Signup Failed!");
439
                               signupErrorLabel.setText(signupACKDataPacket.getMessage());
                               break:
440
                           }
441
442
```

```
443
                           break;
                       }
444
445
446
                       try {
447
                           Thread. sleep(500);
448
                       }
449
                       catch(Exception e) {
450
451
                           e.printStackTrace();
452
                       }
453
                       if(retry % 5 == 0) {
454
455
456
                           clientService.signup(email, password);
457
                       }
458
459
                   }
460
               }
461
           };
462
463
464
           signupThread.start();
465
       }//GEN-LAST:event_btnSignupMouseClicked
466
       /**
467
        * @param args the command line arguments
468
469
470
       public static void main(String args[]) {
           /* Set the Nimbus look and feel */
471
           //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
472
           /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
473
            * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
474
475
            */
476
           try {
477
               for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                   if ("Nimbus".equals(info.getName())) {
478
                       javax.swing.UIManager.setLookAndFeel(info.getClassName());
479
```

```
480
                       break;
                   }
481
482
483
           } catch (ClassNotFoundException ex) {
               java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
484
485
           } catch (InstantiationException ex) {
               java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
486
           } catch (IllegalAccessException ex) {
487
488
               java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
           } catch (javax.swing.UnsupportedLookAndFeelException ex) {
489
               java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
490
491
492
           //</editor-fold>
493
494
           /* Create and display the form */
           java.awt.EventQueue.invokeLater(new Runnable() {
495
               public void run() {
496
497
                   new Login().setVisible(true);
498
               }
           });
499
       }
500
501
502
       // Variables declaration - do not modify//GEN-BEGIN:variables
       private iavax.swina.JButton btnSianup:
503
       private javax.swing.JButton buttonLogin;
504
       private javax.swing.JLabel jLabel1;
505
506
       private javax.swing.JLabel jLabel2;
507
       private javax.swing.JLabel jLabel3;
       private javax.swing.JLabel jLabel4;
508
       private javax.swing.JLabel jLabel5;
509
       private javax.swing.JLabel jLabel6;
510
511
       private javax.swing.JPanel jPanel1;
512
       private javax.swing.JPanel jPanel2;
513
       private javax.swing.JPanel jPanel3;
       private javax.swing.JTextField loginEmail;
514
       private javax.swing.JLabel loginErrorLabel;
515
       private javax.swing.JPasswordField loginPassword;
516
```

```
private javax.swing.JTextField signupEmail;
private javax.swing.JLabel signupErrorLabel;
private javax.swing.JTextField signupName;
private javax.swing.JPasswordField signupPassword;
// End of variables declaration//GEN-END:variables

7/ End of variables declaration//GEN-END:variables

7/ End of variables declaration//GEN-END:variables
```