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2  * To change this license header, choose License Headers in Project Properties.
7 package com.mycompany.lifelinebloodbank;
8 import java.awt.HeadlessException;
15 /**
16  *
17  * @author hp
18  */
19
20 public class DonorPage extends javax.swing.JFrame {
21
22     /**
23      * Creates new form DonorPage
24      */
25     public DonorPage() {
26         initComponents();
27     }
28
29     /**
30      * This method is called from within the constructor to initialize the form.
31      * WARNING: Do NOT modify this code. The content of this method is always
32      * regenerated by the Form Editor.
33      */
34     @SuppressWarnings("unchecked")
35     // <editor-fold defaultstate="collapsed" desc="Generated Code"> //GEN-
BEGIN: initComponents
36     private void initComponents() {
37
38         jRadioButtonMenuItem1 = new javax.swing.JRadioButtonMenuItem();
39         jRadioButtonMenuItem2 = new javax.swing.JRadioButtonMenuItem();
40         buttonGroup1 = new javax.swing.ButtonGroup();
41         buttonGroup2 = new javax.swing.ButtonGroup();
42         jPanel1 = new javax.swing.JPanel();
43         jLabel4 = new javax.swing.JLabel();
44         DonationDate = new javax.swing.JPanel();
45         jPanel4 = new javax.swing.JPanel();
46         jLabel15 = new javax.swing.JLabel();
47         jLabel16 = new javax.swing.JLabel();
48         jLabel17 = new javax.swing.JLabel();
49         jLabel19 = new javax.swing.JLabel();
50         jLabel20 = new javax.swing.JLabel();
51         jLabel21 = new javax.swing.JLabel();
52         jLabel22 = new javax.swing.JLabel();
53         jLabel23 = new javax.swing.JLabel();
54         jLabel24 = new javax.swing.JLabel();
55         jLabel27 = new javax.swing.JLabel();
56         jLabel26 = new javax.swing.JLabel();
57         firstName = new javax.swing.JTextField();
58         lastName = new javax.swing.JTextField();
59         hbLevel = new javax.swing.JTextField();
60         filler1 = new javax.swing.Box.Filler(new java.awt.Dimension(0, 44), new
java.awt.Dimension(0, 44), new java.awt.Dimension(32767, 44));
61         filler2 = new javax.swing.Box.Filler(new java.awt.Dimension(0, 70), new
java.awt.Dimension(0, 70), new java.awt.Dimension(32767, 70));
62         save = new javax.swing.JButton();
63         filler3 = new javax.swing.Box.Filler(new java.awt.Dimension(0, 10), new
java.awt.Dimension(0, 10), new java.awt.Dimension(32767, 10));
64         address = new javax.swing.JTextField();
65         BloodType = new javax.swing.JComboBox<>();
66         reset = new javax.swing.JButton();
67         Exit = new javax.swing.JButton();
68         healthcheck = new javax.swing.JComboBox<>();
69         jLabel25 = new javax.swing.JLabel();

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70     Gender = new javax.swing.JComboBox<>();
71     donorid = new javax.swing.JTextField();
72     dateOfBirth = new com.toedter.calendar.JDateChooser();
73     donationDate = new com.toedter.calendar.JDateChooser();
74     phoneNo = new javax.swing.JTextField();
75
76     jButtonMenuItem1.setSelected(true);
77     jButtonMenuItem1.setText("jRadioButtonMenuItem1");
78
79     jButtonMenuItem2.setSelected(true);
80     jButtonMenuItem2.setText("jRadioButtonMenuItem2");
81
82     setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
83
84     jPanel1.setBackground(new java.awt.Color(74, 31, 61));
85
86     jLabel4.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
87     jLabel4.setForeground(new java.awt.Color(255, 255, 255));
88     jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
89     jLabel4.setText("Donor Details");
90
91     DonationDate.addKeyListener(new java.awt.event.KeyAdapter() {
92         public void keyPressed(java.awt.event.KeyEvent evt) {
93             DonationDateKeyPressed(evt);
94         }
95     });
96
97     jPanel4.setBackground(new java.awt.Color(217, 103, 74));
98
99     jLabel15.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
100    jLabel15.setForeground(new java.awt.Color(255, 255, 255));
101    jLabel15.setText("Last Name");
102
103    jLabel16.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
104    jLabel16.setForeground(new java.awt.Color(255, 255, 255));
105    jLabel16.setText("Name:");
106
107    jLabel17.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
108    jLabel17.setForeground(new java.awt.Color(255, 255, 255));
109    jLabel17.setText("First Name");
110
111    jLabel19.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
112    jLabel19.setForeground(new java.awt.Color(255, 255, 255));
113    jLabel19.setText("Gender");
114
115    jLabel20.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
116    jLabel20.setForeground(new java.awt.Color(255, 255, 255));
117    jLabel20.setText("Blood Type");
118
119    jLabel21.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
120    jLabel21.setForeground(new java.awt.Color(255, 255, 255));
121    jLabel21.setText("Address");
122
123    jLabel22.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
124    jLabel22.setForeground(new java.awt.Color(255, 255, 255));
125    jLabel22.setText("Date of Birth");
126
127    jLabel23.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
128    jLabel23.setForeground(new java.awt.Color(255, 255, 255));
129    jLabel23.setText("HB Level");
130
131    jLabel24.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
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132     jLabel24.setForeground(new java.awt.Color(255, 255, 255));
133     jLabel24.setText("Phone No.");
134
135     jLabel27.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
136     jLabel27.setForeground(new java.awt.Color(255, 255, 255));
137     jLabel27.setText("Date of Donation");
138
139     jLabel26.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
140     jLabel26.setForeground(new java.awt.Color(255, 255, 255));
141     jLabel26.setText("Health Check");
142
143     javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
144     jPanel4.setLayout(jPanel4Layout);
145     jPanel4Layout.setHorizontalGroup(
146         jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
147             .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
148                 jPanel4Layout.createSequentialGroup()
149                     .add(jPanel4Layout.createParallelGroup(
150                         javax.swing.GroupLayout.Alignment.TRAILING)
151                         .addComponent(jLabel17)
152                         .addComponent(jLabel15))
153                     .addGap(36, 36, 36))
154             .addGroup(jPanel4Layout.createSequentialGroup()
155                 .add(jPanel4Layout.createParallelGroup(
156                     javax.swing.GroupLayout.Alignment.LEADING)
157                     .addGroup(jPanel4Layout.createSequentialGroup()
158                         .add(jPanel4Layout.createParallelGroup(
159                             javax.swing.GroupLayout.Alignment.LEADING)
160                             .addComponent(jLabel16))
161                             .addComponent(jLabel22)
162                             .addComponent(jLabel23)
163                             .addComponent(jLabel27)
164                             .addComponent(jLabel20)
165                             .addComponent(jLabel24)
166                             .addComponent(jLabel19)
167                             .addComponent(jLabel21)
168                             .addComponent(jLabel26))
169                         .addContainerGap(24, Short.MAX_VALUE))
170                     .addGroup(jPanel4Layout.createSequentialGroup()
171                         .add(jPanel4Layout.createParallelGroup(
172                             javax.swing.GroupLayout.Alignment.LEADING)
173                             .addComponent(jLabel16)
174                             .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
175                             .addComponent(jLabel17)
176                             .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
177                             .addComponent(jLabel15)
178                             .addGap(34, 34, 34)
179                             .addComponent(jLabel26)
180                             .addGap(18, 18, 18)
181                             .addComponent(jLabel19)
182                             .addGap(18, 18, 18)
183                             .addComponent(jLabel21)
184                             .addGap(61, 61, 61)
185                             .addComponent(jLabel24)
186                             .addGap(29, 29, 29)
187                             .addComponent(jLabel20)
188                             .addGap(30, 30, 30)
189                             .addComponent(jLabel23)
190                             .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

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191         .addComponent(jLabel22)
192         .addGap(18, 18, 18)
193         .addComponent(jLabel27)
194         .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
195     );
196
197     firstName.addActionListener(new java.awt.event.ActionListener() {
198         public void actionPerformed(java.awt.event.ActionEvent evt) {
199             firstNameActionPerformed(evt);
200         }
201     });
202
203     lastName.addActionListener(new java.awt.event.ActionListener() {
204         public void actionPerformed(java.awt.event.ActionEvent evt) {
205             lastNameActionPerformed(evt);
206         }
207     });
208
209     hbLevel.addMouseListener(new java.awt.event.MouseAdapter() {
210         public void mouseClicked(java.awt.event.MouseEvent evt) {
211             hbLevelMouseClicked(evt);
212         }
213     });
214     hbLevel.addKeyListener(new java.awt.event.KeyAdapter() {
215         public void keyPressed(java.awt.event.KeyEvent evt) {
216             hbLevelKeyPressed(evt);
217         }
218     });
219
220     save.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
221     save.setText("Save");
222     save.addActionListener(new java.awt.event.ActionListener() {
223         public void actionPerformed(java.awt.event.ActionEvent evt) {
224             saveActionPerformed(evt);
225         }
226     });
227     save.addKeyListener(new java.awt.event.KeyAdapter() {
228         public void keyPressed(java.awt.event.KeyEvent evt) {
229             saveKeyPressed(evt);
230         }
231     });
232
233     BloodType.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "+A", "-A", "+B", "-B", "+O", "-O", "+AB", "-AB" }));
234
235     reset.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
236     reset.setText("Reset");
237     reset.addActionListener(new java.awt.event.ActionListener() {
238         public void actionPerformed(java.awt.event.ActionEvent evt) {
239             resetActionPerformed(evt);
240         }
241     });
242     reset.addKeyListener(new java.awt.event.KeyAdapter() {
243         public void keyPressed(java.awt.event.KeyEvent evt) {
244             resetKeyPressed(evt);
245         }
246     });
247
248     Exit.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
249     Exit.setText("Exit");
250     Exit.addActionListener(new java.awt.event.ActionListener() {
251         public void actionPerformed(java.awt.event.ActionEvent evt) {

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252         ExitActionPerformed(evt);
253     }
254 });
255 Exit.addKeyListener(new java.awt.event.KeyAdapter() {
256     public void keyPressed(java.awt.event.KeyEvent evt) {
257         ExitKeyPressed(evt);
258     }
259 });
260
261 healthcheck.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Yes",
"No", " " }));
262
263 jLabel25.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
264 jLabel25.setForeground(new java.awt.Color(153, 0, 51));
265 jLabel25.setText("DonorId");
266 jLabel25.addComponentListener(new java.awt.event.ComponentAdapter() {
267     public void componentShown(java.awt.event.ComponentEvent evt) {
268         jLabel25ComponentShown(evt);
269     }
270 });
271
272 Gender.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Male",
"Female" }));
273
274 donorid.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
275 donorid.setForeground(new java.awt.Color(204, 51, 0));
276
277 phoneNo.addActionListener(new java.awt.event.ActionListener() {
278     public void actionPerformed(java.awt.event.ActionEvent evt) {
279         phoneNoActionPerformed(evt);
280     }
281 });
282
283 javax.swing.GroupLayout DonationDateLayout = new javax.swing.GroupLayout
(DonationDate);
284 DonationDate.setLayout(DonationDateLayout);
285 DonationDateLayout.setHorizontalGroup(
286     DonationDateLayout.createParallelGroup
287     (javax.swing.GroupLayout.Alignment.LEADING)
288     .addGroup(DonationDateLayout.createSequentialGroup()
289         .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
290         .addGroup(DonationDateLayout.createParallelGroup
291             (javax.swing.GroupLayout.Alignment.LEADING)
292             .addGroup(DonationDateLayout.createSequentialGroup()
293                 .addGroup(DonationDateLayout.createParallelGroup
294                     (javax.swing.GroupLayout.Alignment.LEADING)
295                     .addComponent(firstName)
296                     .addComponent(lastName)
297                     .addGroup(DonationDateLayout.createSequentialGroup()
298                         .addGroup(DonationDateLayout.createParallelGroup
299                             (javax.swing.GroupLayout.Alignment.LEADING)
300                             .addComponent(healthcheck,
301     javax.swing.GroupLayout.PREFERRED_SIZE, 178, javax.swing.GroupLayout.PREFERRED_SIZE)
302                             .addComponent(Gender,
303     javax.swing.GroupLayout.PREFERRED_SIZE, 178, javax.swing.GroupLayout.PREFERRED_SIZE)
304                             .addGroup(
305     DonationDateLayout.createSequentialGroup()

```



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302                                .addComponent(jLabel125)
303                                .addGap(18, 18, 18)
304                                .addComponent(donorid,
    javax.swing.GroupLayout.PREFERRED_SIZE, 131, javax.swing.GroupLayout.PREFERRED_SIZE)))
305                                .addGap(0, 0, Short.MAX_VALUE))
306                                .addComponent(address))
307                                .addGap(195, 195, 195))
308                                .addGroup(DonationDateLayout.createSequentialGroup())
309                                .addGroup(DonationDateLayout.createParallelGroup
    (javax.swing.GroupLayout.Alignment.LEADING)
310                                .addGroup(DonationDateLayout.createParallelGroup
    (javax.swing.GroupLayout.Alignment.TRAILING, false)
311                                .addComponent(hbLevel,
    javax.swing.GroupLayout.Alignment.LEADING)
312                                .addComponent(BloodType,
    javax.swing.GroupLayout.Alignment.LEADING, 0, 178, Short.MAX_VALUE)
313                                .addComponent(dateOfBirth,
    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
    Short.MAX_VALUE)
314                                .addComponent(donationDate,
    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
    Short.MAX_VALUE))
315                                .addComponent(phoneNo,
    javax.swing.GroupLayout.PREFERRED_SIZE, 316, javax.swing.GroupLayout.PREFERRED_SIZE)))
316                                .addPreferredGap
    (javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE,
    Short.MAX_VALUE))))
317                                .addGroup(DonationDateLayout.createSequentialGroup())
318                                .addGap(54, 54, 54)
319                                .addComponent(save, javax.swing.GroupLayout.PREFERRED_SIZE, 126,
    javax.swing.GroupLayout.PREFERRED_SIZE)
320                                .addGap(49, 49, 49)
321                                .addComponent(reset, javax.swing.GroupLayout.PREFERRED_SIZE, 126,
    javax.swing.GroupLayout.PREFERRED_SIZE)
322                                .addGap(52, 52, 52)
323                                .addComponent(Exit, javax.swing.GroupLayout.PREFERRED_SIZE, 126,
    javax.swing.GroupLayout.PREFERRED_SIZE)
324                                .addPreferredGap
    (javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE,
    Short.MAX_VALUE)))
325                                .addComponent(filler2, javax.swing.GroupLayout.PREFERRED_SIZE, 15,
    javax.swing.GroupLayout.PREFERRED_SIZE)
326                                .addGap(0, 0, 0)
327                                .addComponent(filler1, javax.swing.GroupLayout.PREFERRED_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
328                                .addGap(38, 38, 38)
329                                .addComponent(filler3, javax.swing.GroupLayout.PREFERRED_SIZE, 0,
    javax.swing.GroupLayout.PREFERRED_SIZE)
330                                .addContainerGap())
331                                );
332                                DonationDateLayout.setVerticalGroup(
333                                DonationDateLayout.createParallelGroup
    (javax.swing.GroupLayout.Alignment.LEADING)
334                                .addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
335                                .addGroup(DonationDateLayout.createSequentialGroup())
336                                .addGroup(DonationDateLayout.createParallelGroup
    (javax.swing.GroupLayout.Alignment.LEADING)
337                                .addComponent(filler2, javax.swing.GroupLayout.PREFERRED_SIZE, 457,
    javax.swing.GroupLayout.PREFERRED_SIZE)
338                                .addGroup(DonationDateLayout.createSequentialGroup())
339                                .addGap(37, 37, 37)

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340                .addComponent(filler3, javax.swing.GroupLayout.PREFERRED\_SIZE, 318,
    javax.swing.GroupLayout.PREFERRED\_SIZE)))
341                .addGap(0, 109, Short.MAX\_VALUE))
342                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
    DonationDateLayout.createSequentialGroup())
343                .addGap(11, 11, 11)
344                .addGroup(DonationDateLayout.createParallelGroup
    (javax.swing.GroupLayout.Alignment.BASELINE)
345                .addComponent(jLabel25)
346                .addComponent(donorid, javax.swing.GroupLayout.PREFERRED\_SIZE,
    javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))
347                .addGap(18, 18, 18)
348                .addComponent(firstName, javax.swing.GroupLayout.PREFERRED\_SIZE,
    javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)
349                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
350                .addComponent(lastName, javax.swing.GroupLayout.PREFERRED\_SIZE,
    javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)
351                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
352                .addGroup(DonationDateLayout.createParallelGroup
    (javax.swing.GroupLayout.Alignment.LEADING)
353                .addGroup(DonationDateLayout.createSequentialGroup())
354                .addGap(0, 134, Short.MAX\_VALUE)
355                .addComponent(filler1, javax.swing.GroupLayout.PREFERRED\_SIZE,
    javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)
356                .addGap(186, 186, 186))
357                .addGroup(DonationDateLayout.createSequentialGroup())
358                .addComponent(healthcheck, javax.swing.GroupLayout.PREFERRED\_SIZE,
    javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)
359                .addPreferredGap
    (javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
360                .addComponent(Gender, javax.swing.GroupLayout.PREFERRED\_SIZE,
    javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)
361                .addGap(18, 18, 18)
362                .addComponent(address, javax.swing.GroupLayout.PREFERRED\_SIZE, 52,
    javax.swing.GroupLayout.PREFERRED\_SIZE)
363                .addGap(18, 18, 18)
364                .addComponent(phoneNo, javax.swing.GroupLayout.PREFERRED\_SIZE,
    javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)
365                .addGap(18, 18, 18)
366                .addComponent(BloodType, javax.swing.GroupLayout.PREFERRED\_SIZE,
    javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)
367                .addGap(18, 18, 18)
368                .addComponent(hbLevel, javax.swing.GroupLayout.PREFERRED\_SIZE,
    javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)
369                .addGap(18, 18, 18)
370                .addComponent(dateOfBirth, javax.swing.GroupLayout.PREFERRED\_SIZE,
    javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)
371                .addPreferredGap
    (javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
372                .addComponent(donationDate, javax.swing.GroupLayout.PREFERRED\_SIZE,
    javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)
373                .addGap(0, 0, Short.MAX\_VALUE)))
374                .addGroup(DonationDateLayout.createParallelGroup
    (javax.swing.GroupLayout.Alignment.BASELINE)
375                .addComponent(save, javax.swing.GroupLayout.PREFERRED\_SIZE, 41,
    javax.swing.GroupLayout.PREFERRED\_SIZE)
376                .addComponent(reset, javax.swing.GroupLayout.PREFERRED\_SIZE, 41,
    javax.swing.GroupLayout.PREFERRED\_SIZE)
377                .addComponent(Exit, javax.swing.GroupLayout.PREFERRED\_SIZE, 41,
    javax.swing.GroupLayout.PREFERRED\_SIZE))
378                .addGap(52, 52, 52))
379        );

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380
381     javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
382     jPanel1.setLayout(jPanel1Layout);
383     jPanel1Layout.setHorizontalGroup(
384         jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
385             .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
386                 jPanel1Layout.createSequentialGroup()
387                     .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
388                     .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 399,
389                         javax.swing.GroupLayout.PREFERRED_SIZE)
390                     .addGap(168, 168, 168))
391             .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
392                 jPanel1Layout.createSequentialGroup()
393                     .addComponent(DonationDate, javax.swing.GroupLayout.DEFAULT_SIZE,
394                         javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
395                     .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE, 82,
396                         Short.MAX_VALUE)
397                     .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
398                     .addComponent(DonationDate, javax.swing.GroupLayout.PREFERRED_SIZE,
399                         javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
400             );
401     javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
402     getContentPane().setLayout(layout);
403     layout.setHorizontalGroup(
404         layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
405             .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
406                 layout.createSequentialGroup()
407                     .addComponent(jPanel1, javax.swing.GroupLayout.Alignment.TRAILING,
408                         javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
409                         javax.swing.GroupLayout.PREFERRED_SIZE)
410                     .addGap(0, 0, Short.MAX_VALUE))
411             );
412     pack();
413 } // </editor-fold> // GEN-END: initComponents
414
415 private void DateOfBirthKeyPressed(java.awt.event.KeyEvent evt) { // GEN-
416     FIRST:event_DateOfBirthKeyPressed
417     // TODO add your handling code here:
418 } // GEN-LAST:event_DateOfBirthKeyPressed
419
420 private void donationDateKeyPressed(java.awt.event.KeyEvent evt) { // GEN-
421     FIRST:event_donationDateKeyPressed
422     // TODO add your handling code here:
423 } // GEN-LAST:event_donationDateKeyPressed
424
425 private void DonationDateKeyPressed(java.awt.event.KeyEvent evt) { // GEN-
426     FIRST:event_DonationDateKeyPressed
427     // TODO add your handling code here:
428 } // GEN-LAST:event_DonationDateKeyPressed
429
430 private void saveKeyPressed(java.awt.event.KeyEvent evt) { // GEN-
431     FIRST:event_saveKeyPressed
432     // TODO add your handling code here:

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430
431     }//GEN-LAST:event_saveKeyPressed
432
433     private void saveActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_saveActionPerformed
434         // TODO add your handling code here:
435         String donorID = donorid.getText();
436         String fname = firstName.getText();
437         String lname = lastName.getText();
438         String gender = (String) Gender.getSelectedItem();
439         String addr = address.getText();
440         String phno = phoneNo.getText();
441         SimpleDateFormat dFormat = new SimpleDateFormat("dd-MM-yyyy");
442         String DOB = dFormat.format(dateOfBirth.getDate());
443         String donation_date = dFormat.format(donationDate.getDate());
444         String hb = hbLevel.getText();
445         String donorBloodType = (String) BloodType.getSelectedItem();
446         String healthCheck = (String) healthcheck.getSelectedItem();
447         try{
448             Connection con = ConnectionProvider.getCon();
449             Statement st=con.createStatement();
450             st.executeUpdate("insert into Donor values('"+donorID
451             + "','" +fname+"','"+lname+"','"+gender+"','"+donorBloodType+"','"+hb+"','"+healthCheck
452             + "','" +addr+"','"+phno+"')");
453             st.executeUpdate("insert into donor values '"+donorID
454             + "','" +fname+"','"+lname+"','"+gender+"','"+donorBloodType+"','"+hb+"','"+healthCheck
455             + "','" +addr+"','"+phno+"')");
456             JOptionPane.showMessageDialog(null,"Successfully Updated...");
457             setVisible(false);
458             new DonorPage().setVisible(true);
459         }catch(HeadlessException | SQLException e) {
460             JOptionPane.showMessageDialog(null, e);
461         }
462         final String JDBC_DRIVER = "com.mysql.cj.jdbc.Driver";
463         final String DB_URL = "jdbc:mysql://localhost:3306/lifelinebloodbank?
464         autoReconnect=true&useSSL=false";
465         final String user = "root";
466         final String password = "Mysql@123";
467         String query;
468         Connection con = null;
469         PreparedStatement psmt = null;
470         try{
471             try {
472                 Class.forName(JDBC_DRIVER);
473             } catch (ClassNotFoundException ex) {
474                 Logger.getLogger(DonorPage.class.getName()).log(Level.SEVERE, null, ex);
475             }
476             con = DriverManager.getConnection(DB_URL,user,password);
477             query = "insert into Donor values(?,?,?,?,?,?,?,?,?)";
478             psmt = con.prepareStatement(query);
479             psmt.setString(1,donorID);
480             psmt.setString(2, fname);
481             psmt.setString(3,lname);
482             psmt.setString(4,gender);
483             psmt.setString(5, donorBloodType);
484             psmt.setString(6,hb);
485             psmt.setString(7,healthCheck);
486             psmt.setString(8,addr);
487             psmt.setString(9, phno);
488             psmt.executeUpdate();
489             query = "insert into DonorAge(Donor_ID,Donor_DOB) values (?,?)";
490             psmt = con.prepareStatement(query);

```

```

486         psmt.setString(1, donorID);
487         psmt.setString(2, DOB);
488         psmt.executeUpdate();
489         query = "insert into DonationCenter(DonorID,date_of_donation) values (?,?)";
490         psmt = con.prepareStatement(query);
491         psmt.setString(1, donorID);
492         psmt.setString(2, donation_date);
493         psmt.executeUpdate();
494         JOptionPane.showMessageDialog(null,"Successfully Updated...");
495         setVisible(false);
496         new DonorPage().setVisible(true);
497     }catch(SQLException e){
498         JOptionPane.showMessageDialog(null,e);
499     }
500 }//GEN-LAST:event_saveActionPerformed
501 }
502 private void hbLevelKeyPressed(java.awt.event.KeyEvent evt) {//GEN-
FIRST:event_hbLevelKeyPressed
503     // TODO add your handling code here:
504     char c = evt.getKeyChar();
505     if(Character.isLetter(c)) {
506         //cant be able to enter in text field if enter char is not number
507         hbLevel.setEditable(false);
508         hbLevel.setText("Please Enter Number Only");
509     } else {
510         hbLevel.setEditable(true);
511     }
512 }//GEN-LAST:event_hbLevelKeyPressed
513
514 private void hbLevelMouseClicked(java.awt.event.MouseEvent evt) {//GEN-
FIRST:event_hbLevelMouseClicked
515     // TODO add your handling code here:
516 }//GEN-LAST:event_hbLevelMouseClicked
517
518 private void lastNameActionPerformed(java.awt.event.ActionEvent evt) {//GEN-
FIRST:event_lastNameActionPerformed
519     // TODO add your handling code here:
520 }//GEN-LAST:event_lastNameActionPerformed
521
522 private void firstNameActionPerformed(java.awt.event.ActionEvent evt) {//GEN-
FIRST:event_firstNameActionPerformed
523     // TODO add your handling code here:
524     // fname = fname.getText();
525 }//GEN-LAST:event_firstNameActionPerformed
526
527 private void resetActionPerformed(java.awt.event.ActionEvent evt) {//GEN-
FIRST:event_resetActionPerformed
528     // TODO add your handling code here:
529     setVisible(false);
530     new DonorPage().setVisible(true);
531 }//GEN-LAST:event_resetActionPerformed
532
533 private void resetKeyPressed(java.awt.event.KeyEvent evt) {//GEN-
FIRST:event_resetKeyPressed
534     // TODO add your handling code here:
535 }//GEN-LAST:event_resetKeyPressed
536
537 private void ExitActionPerformed(java.awt.event.ActionEvent evt) {//GEN-
FIRST:event_ExitActionPerformed
538     // TODO add your handling code here:
539     int a = JOptionPane.showConfirmDialog(null,"Do you really want to close
application","Select",JOptionPane.YES_NO_OPTION);

```

```

540         if(a == 0){
541             System.exit(0);
542         }
543     }//GEN-LAST:event_ExitActionPerformed
544
545     private void ExitKeyPressed(java.awt.event.KeyEvent evt) {//GEN-
FIRST:event_ExitKeyPressed
546         // TODO add your handling code here:
547     }//GEN-LAST:event_ExitKeyPressed
548
549     private void jLabel125ComponentShown(java.awt.event.ComponentEvent evt) {//GEN-
FIRST:event_jLabel125ComponentShown
550         // TODO add your handling code here:
551     }//GEN-LAST:event_jLabel125ComponentShown
552
553
554     private void phoneNoActionPerformed(java.awt.event.ActionEvent evt) {//GEN-
FIRST:event_phoneNoActionPerformed
555         // TODO add your handling code here:
556     }//GEN-LAST:event_phoneNoActionPerformed
557
558
559     /**
560      */
561     public void donorRun() {
562         /* Set the Nimbus look and feel */
563         //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
564         /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.
565          * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
566          */
567         try {
568             for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
569                 if ("Nimbus".equals(info.getName())) {
570                     javax.swing.UIManager.setLookAndFeel(info.getClassName());
571                     break;
572                 }
573             }
574         } catch (ClassNotFoundException ex) {
575             java.util.logging.Logger.getLogger(DonorPage.class.getName()).log
(java.util.logging.Level.SEVERE, null, ex);
576         } catch (InstantiationException ex) {
577             java.util.logging.Logger.getLogger(DonorPage.class.getName()).log
(java.util.logging.Level.SEVERE, null, ex);
578         } catch (IllegalAccessException ex) {
579             java.util.logging.Logger.getLogger(DonorPage.class.getName()).log
(java.util.logging.Level.SEVERE, null, ex);
580         } catch (javax.swing.UnsupportedLookAndFeelException ex) {
581             java.util.logging.Logger.getLogger(DonorPage.class.getName()).log
(java.util.logging.Level.SEVERE, null, ex);
582         }
583         //</editor-fold>
584         //</editor-fold>
585         //</editor-fold>
586         //</editor-fold>
587         //</editor-fold>
588         //</editor-fold>
589         //</editor-fold>
590         //</editor-fold>

```

```

591
592     /* Create and display the form */
593     java.awt.EventQueue.invokeLater(() -> {
594         new DonorPage().setVisible(true);
595     });
596
597 }
598
599
600 // Variables declaration - do not modify//GEN-BEGIN:variables
601 private javax.swing.JComboBox<String> BloodType;
602 private javax.swing.JPanel DonationDate;
603 private javax.swing.JButton Exit;
604 private javax.swing.JComboBox<String> Gender;
605 private javax.swing.JTextField address;
606 private javax.swing.ButtonGroup buttonGroup1;
607 private javax.swing.ButtonGroup buttonGroup2;
608 private com.toedter.calendar.JDateChooser dateOfBirth;
609 private com.toedter.calendar.JDateChooser donationDate;
610 private javax.swing.JTextField donorid;
611 private javax.swing.Box.Filler filler1;
612 private javax.swing.Box.Filler filler2;
613 private javax.swing.Box.Filler filler3;
614 private javax.swing.JTextField firstName;
615 private javax.swing.JTextField hbLevel;
616 private javax.swing.JComboBox<String> healthcheck;
617 private javax.swing.JLabel jLabel15;
618 private javax.swing.JLabel jLabel16;
619 private javax.swing.JLabel jLabel17;
620 private javax.swing.JLabel jLabel19;
621 private javax.swing.JLabel jLabel20;
622 private javax.swing.JLabel jLabel21;
623 private javax.swing.JLabel jLabel22;
624 private javax.swing.JLabel jLabel23;
625 private javax.swing.JLabel jLabel24;
626 private javax.swing.JLabel jLabel25;
627 private javax.swing.JLabel jLabel26;
628 private javax.swing.JLabel jLabel27;
629 private javax.swing.JLabel jLabel4;
630 private javax.swing.JPanel jPanel1;
631 private javax.swing.JPanel jPanel4;
632 private javax.swing.JRadioButtonMenuItem jRadioButtonMenuItem1;
633 private javax.swing.JRadioButtonMenuItem jRadioButtonMenuItem2;
634 private javax.swing.JTextField lastName;
635 private javax.swing.JTextField phoneNo;
636 private javax.swing.JButton reset;
637 private javax.swing.JButton save;
638 // End of variables declaration//GEN-END:variables
639 }
640

```