```java
1
2
3
4    import java.io.File;
5    import java.io.IOException;
6    import java.util.ArrayList;
7    import java.util.logging.Level;
8    import java.util.logging.Logger;
9    import javax.swing.ImageIcon;
10   import javax.swing.JFileChooser;
11   import javax.swing.JOptionPane;
12
13
14
15   public final class Saisie extends javax.swing.JDialog {
16
17       /** Creates new form Saisie */
18       public Saisie(java.awt.Frame parent, boolean modal,String fichier) {
19           super(parent, modal);
20           initComponents();
21           setResizable(false);
22           this.fichier=fichier;
23
24   }
25
26
27       @SuppressWarnings("unchecked")
28       // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents
29       private void initComponents() {
30
31           jPanel1 = new javax.swing.JPanel();
32           photoLbl = new javax.swing.JLabel();
33           prenomTfd = new javax.swing.JTextField();
34           nomTfd = new javax.swing.JTextField();
35           jSeparator1 = new javax.swing.JSeparator();
36           numDomicileTfd = new javax.swing.JTextField();
37           numPortableTfd = new javax.swing.JTextField();
38           courrielTfd = new javax.swing.JTextField();
39           validerBtn = new javax.swing.JButton();
40           telephoneLbl = new javax.swing.JLabel();
41           domicileLbl = new javax.swing.JLabel();
42           travailLbl = new javax.swing.JLabel();
43           courrielLbl = new javax.swing.JLabel();
44           jLabel1 = new javax.swing.JLabel();
45           jLabel2 = new javax.swing.JLabel();
46
47           setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
48           setTitle("Nouveau Contact");
49           setResizable(false);
50
51           jPanel1.setBackground(new java.awt.Color(255, 255, 255));
52
53           photoLbl.setBackground(new java.awt.Color(255, 255, 255));
54           photoLbl.setIcon(new
     javax.swing.ImageIcon(getClass().getResource("/400_F_34838760_eni4xUXagK3hMoj1b0QzR945qfSpa9F5_1.jpg"))); // NOI18N
55           photoLbl.setMaximumSize(new java.awt.Dimension(393, 400));
56           photoLbl.setOpaque(true);
57           photoLbl.addMouseListener(new java.awt.event.MouseAdapter() {
58               public void mouseReleased(java.awt.event.MouseEvent evt) {
59                   photoLblMouseReleased(evt);
60               }
61           });
62
63           prenomTfd.setFont(new java.awt.Font("Lucida Grande 13", 2, 12));
64           prenomTfd.setForeground(new java.awt.Color(100, 100, 100));
65
66           nomTfd.setFont(new java.awt.Font("Lucida Grande 13", 2, 12));
67           nomTfd.setForeground(new java.awt.Color(100, 100, 100));
68           nomTfd.addActionListener(new java.awt.event.ActionListener() {
69               public void actionPerformed(java.awt.event.ActionEvent evt) {
70                   nomTfdActionPerformed(evt);
71               }
72           });
73
74           numDomicileTfd.setFont(new java.awt.Font("Lucida Grande 13", 2, 12));
75           numDomicileTfd.setForeground(new java.awt.Color(100, 100, 100));
76
77           numPortableTfd.setFont(new java.awt.Font("Lucida Grande 13", 2, 12));
78           numPortableTfd.setForeground(new java.awt.Color(100, 100, 100));
79           numPortableTfd.addActionListener(new java.awt.event.ActionListener() {
80               public void actionPerformed(java.awt.event.ActionEvent evt) {
81                   numPortableTfdActionPerformed(evt);
82               }
83           });
84
85           courrielTfd.setFont(new java.awt.Font("Lucida Grande 13", 2, 12));
86           courrielTfd.setForeground(new java.awt.Color(100, 100, 100));
87           courrielTfd.addActionListener(new java.awt.event.ActionListener() {
88               public void actionPerformed(java.awt.event.ActionEvent evt) {
89                   courrielTfdActionPerformed(evt);
90               }
91           });
92
93           validerBtn.setBackground(new java.awt.Color(0, 102, 102));
94           validerBtn.setText("Valider");
95           validerBtn.addActionListener(new java.awt.event.ActionListener() {
96               public void actionPerformed(java.awt.event.ActionEvent evt) {
97                   validerBtnActionPerformed(evt);
98               }
99           });
100
101          telephoneLbl.setText("Téléphone :    ");
102
103          domicileLbl.setFont(new java.awt.Font("Lucida Grande 12", 0, 12));
104          domicileLbl.setForeground(new java.awt.Color(100, 100, 100));
105          domicileLbl.setText("domicile :");
106
107          travailLbl.setFont(new java.awt.Font("Lucida Grande 12", 0, 12));
108          travailLbl.setForeground(new java.awt.Color(100, 100, 100));
109          travailLbl.setText("portable :");
110
111          courrielLbl.setText("Adresse éléctronique :");
```

```
112
113            jLabel1.setText("Prénom :");
114
115            jLabel2.setText("Nom :");
116
117         javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
118         jPanel1.setLayout(jPanel1Layout);
119         jPanel1Layout.setHorizontalGroup(
120             jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
121             .addGroup(jPanel1Layout.createSequentialGroup()
122                 .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
123                     .addGroup(jPanel1Layout.createSequentialGroup()
124                         .addGap(42, 42, 42)
125                         .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
126                             .addComponent(travailLbl, javax.swing.GroupLayout.PREFERRED_SIZE, 60,
javax.swing.GroupLayout.PREFERRED_SIZE)
127                             .addComponent(domicileLbl, javax.swing.GroupLayout.PREFERRED_SIZE, 60,
javax.swing.GroupLayout.PREFERRED_SIZE))
128                         .addGap(57, 57, 57)
129                         .addComponent(validerBtn, javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED_SIZE))
130                     .addGroup(jPanel1Layout.createSequentialGroup()
131                         .addGap(21, 21, 21)
132                         .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
133                             .addComponent(telephoneLbl)
134                             .addGroup(jPanel1Layout.createSequentialGroup()
135                                 .addComponent(courrielLbl, javax.swing.GroupLayout.PREFERRED_SIZE, 147,
javax.swing.GroupLayout.PREFERRED_SIZE)
136                                 .addGap(18, 18, 18)
137                                 .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
138                                     .addComponent(numPortableTfd, javax.swing.GroupLayout.PREFERRED_SIZE, 112,
javax.swing.GroupLayout.PREFERRED_SIZE)
139                                     .addComponent(numDomicileTfd, javax.swing.GroupLayout.PREFERRED_SIZE, 112,
javax.swing.GroupLayout.PREFERRED_SIZE)
140                                     .addComponent(courrielTfd, javax.swing.GroupLayout.PREFERRED_SIZE, 173,
javax.swing.GroupLayout.PREFERRED_SIZE))))))
141                 .addContainerGap(101, javax.swing.GroupLayout.PREFERRED_SIZE))
142             .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
143                 .addGroup(jPanel1Layout.createSequentialGroup()
144                     .addContainerGap()
145                     .addComponent(photoLbl, javax.swing.GroupLayout.PREFERRED_SIZE, 120, javax.swing.GroupLayout.PREFERRED_SIZE)
146                     .addGap(24, 24, 24)
147                     .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
148                         .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
149                             .addGroup(jPanel1Layout.createSequentialGroup()
150                                 .addComponent(jLabel1)
151                                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
152                                 .addComponent(prenomTfd, javax.swing.GroupLayout.PREFERRED_SIZE, 130,
javax.swing.GroupLayout.PREFERRED_SIZE))
153                             .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
154                                 .addComponent(jLabel2)
155                                 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
156                                 .addComponent(nomTfd, javax.swing.GroupLayout.PREFERRED_SIZE, 130,
javax.swing.GroupLayout.PREFERRED_SIZE)))
157                         .addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED_SIZE, 178,
javax.swing.GroupLayout.PREFERRED_SIZE))
158                     .addGap(107, 107, 107)))
159         );
160         jPanel1Layout.setVerticalGroup(
161             jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
162             .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()
163                 .addContainerGap(179, Short.MAX_VALUE)
164                 .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
165                     .addGroup(jPanel1Layout.createSequentialGroup()
166                         .addComponent(courrielLbl)
167                         .addGap(35, 35, 35)
168                         .addComponent(telephoneLbl))
169                     .addComponent(courrielTfd, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
170                 .addGap(18, 18, 18)
171                 .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
172                     .addComponent(domicileLbl)
173                     .addComponent(numDomicileTfd, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
174                 .addGap(38, 38, 38)
175                 .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
176                     .addComponent(travailLbl)
177                     .addComponent(numPortableTfd, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
178                 .addGap(65, 65, 65)
179                 .addComponent(validerBtn, javax.swing.GroupLayout.PREFERRED_SIZE, 32, javax.swing.GroupLayout.PREFERRED_SIZE)
180                 .addGap(43, 43, 43))
181             .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
182                 .addGroup(jPanel1Layout.createSequentialGroup()
183                     .addContainerGap()
184                     .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
185                         .addGroup(jPanel1Layout.createSequentialGroup()
186                             .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
187                                 .addComponent(nomTfd, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
188                                 .addComponent(jLabel2))
189                             .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
190                             .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
191                                 .addComponent(jLabel1)
192                                 .addComponent(prenomTfd, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
193                             .addGap(24, 24, 24)
194                             .addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
195                             .addGap(22, 22, 22))
196                         .addComponent(photoLbl, javax.swing.GroupLayout.PREFERRED_SIZE, 120,
javax.swing.GroupLayout.PREFERRED_SIZE)
197                     .addContainerGap(351, Short.MAX_VALUE)))
198         );
199
200         javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
201         getContentPane().setLayout(layout);
202         layout.setHorizontalGroup(
203             layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
204             .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 460, Short.MAX_VALUE)
```

```java
205                );
206            layout.setVerticalGroup(
207                layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
208                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
209            );
210
211            pack();
212        }// </editor-fold>//GEN-END:initComponents
213
214    private void photoLblMouseReleased(java.awt.event.MouseEvent evt) {//GEN-FIRST:event_photoLblMouseReleased
215            // TODO add your handling code here:
216
217            File fichierPhoto; //la photo qui va etre selectionneé
218            //creation d'un objet JfileChooser
219            JFileChooser ficArechercher = new JFileChooser();
220            //ouvrir la boite de dialogue qui permet la recherche d'un fichier
221            int retour = ficArechercher.showOpenDialog(Saisie.this);
222            //si l'utilisateur a selectionné un fichier
223            if(retour ==JFileChooser.APPROVE_OPTION)
224            {
225                fichierPhoto=ficArechercher.getSelectedFile();
226                    //recuperer l'url de la photo
227                url=fichierPhoto.toString();
228                //afficher la photo
229                  setPhoto(url);
230
231            }
232    }//GEN-LAST:event_photoLblMouseReleased
233
234    private void validerBtnActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_validerBtnActionPerformed
235
236            setDonnees();
237            String info = prenom+"#"+nom+"#"+url+"#"+courriel+"#"+numDomicile+"#"+numPortable;
238            if((" ".equals(prenom)) && (" ".equals(nom)) && (" ".equals(url)) && (" ".equals(courriel)) &&("
    ".equals(numDomicile))&& (" ".equals(numPortable))||(
239                    (" ".equals(prenom)) || (" ".equals(nom)) || (" ".equals(courriel)))){
240                Erreur("Vous Devez Remplir Les Trois Premier Champs",false);
241
242            }
243            else{
244                ecrireLeContact(info);
245                // La fenêtre est effacée
246                 dispose();
247            }
248
249
250
251    }//GEN-LAST:event_validerBtnActionPerformed
252
253        private void courrielTfdActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event courrielTfdActionPerformed
254            // TODO add your handling code here:
255        }//GEN-LAST:event courrielTfdActionPerformed
256
257        private void numPortableTfdActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event numPortableTfdActionPerformed
258            // TODO add your handling code here:
259        }//GEN-LAST:event_numPortableTfdActionPerformed
260
261        private void nomTfdActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_nomTfdActionPerformed
262            // TODO add your handling code here:
263        }//GEN-LAST:event_nomTfdActionPerformed
264    public void setNom(String tmp){
265            nom=tmp;
266        }
267        public void setPrenom(String tmp){
268            prenom=tmp;
269        }
270        public void setPhoto(String tmp){
271            ImageIcon iconPhoto = new ImageIcon(tmp);
272            java.awt.Image uneImage= iconPhoto.getImage();
273            //reduire la taille de l'image
274            uneImage= uneImage.getScaledInstance(120, 120, java.awt.Image.SCALE SMOOTH);
275            //transformer l'image en icone
276            iconPhoto.setImage(uneImage);
277            photoLbl.setIcon(iconPhoto);
278        }
279        public void setNumDomicile(String tmp){
280            numDomicile=tmp;
281
282        }
283        public void setNumPortable(String tmp){
284            numPortable =tmp;
285
286        }
287        public void setCourriel(String tmp){
288            courriel=tmp;
289        }
290
291
292     private void setDonnees(){
293
294                setNumDomicile(" "+numDomicileTfd.getText());
295                setNumPortable(" "+numPortableTfd.getText());
296            setPrenom(" "+prenomTfd.getText());
297            setNom(" "+nomTfd.getText());
298            setCourriel(" "+courrielTfd.getText());
299
300        }
301
302
303        /** This method is called from within the constructor to
304         * initialize the form.
305         * WARNING: Do NOT modify this code. The content of this method is
306         * always regenerated by the Form Editor.
307         */
308
309    //choisir une photo
310
311
312
313
314
315      private void ecrireLeContact(String tmp)
```

```
316     {
317         //lire le fichier et mémoriser ses  données dans une liste
318         lireLesContact();
319         //enregistrer le nouveau contact ds la fin de la liste
320         ContactDuFichier.add(tmp); //add est une methode définie ds la class ArrayList
321         //écrire l'intégralité de la liste ds le fichier
322         ecrireLaListe();
323     }
324
325     private void ecrireLaListe(){
326         Fichier f = new Fichier();
327         f.ouvrirEnEcriture(fichier);//on perd comme ça tt les info du fichier
328         for (String e : ContactDuFichier) {
329             f.ecrire(e);
330         }
331             f.fermer();
332         }
333
334     private void lireLesContact()
335     {
336         ContactDuFichier = new ArrayList();
337         Fichier f= new Fichier();
338         f.ouvrirEnLecture(fichier);
339         String chaine="";
340         do{
341             chaine = f.lire();
342             if(chaine != null){
343                 ContactDuFichier.add(chaine);
344             }
345         }while(chaine != null);
346         f.fermer();
347     }
348
349     public void Supprimer(int tmp) // elle est public car elle est appelée par l'exterieur
350     {
351         //lire le fichier et mémoriser ses  données dans une liste
352         lireLesContact();
353          //supprimer le contact selectionné de la liste
354          ContactDuFichier.remove(tmp); //remove est une methode définie ds la class ArrayList
355         //écrire l'intégralité de la liste ds le fichier
356         ecrireLaListe();
357     }
358
359     public boolean getDonnee()
360     {
361         return testInfo;
362     }
363
364     private void Erreur(String message, boolean exit) {
365         JOptionPane.showMessageDialog(this, message, "Erreur",
366                 JOptionPane.ERROR_MESSAGE);
367         if (exit)
368             System.exit(0);
369      }
370     private boolean testInfo=true;
371     private String fichier;
372     private ArrayList <String> ContactDuFichier;
373
374      private String nom=" ", prenom=" ",url=" ", numDomicile=" inconnu", numPortable=" inconnu", courriel=" inconnu";
375
376      // Variables declaration - do not modify//GEN-BEGIN:variables
377      private javax.swing.JLabel courrielLbl;
378      private javax.swing.JTextField courrielTfd;
379      private javax.swing.JLabel domicileLbl;
380      private javax.swing.JLabel jLabel1;
381      private javax.swing.JLabel jLabel2;
382      private javax.swing.JPanel jPanel1;
383      private javax.swing.JSeparator jSeparator1;
384      private javax.swing.JTextField nomTfd;
385      private javax.swing.JTextField numDomicileTfd;
386      private javax.swing.JTextField numPortableTfd;
387      private javax.swing.JLabel photoLbl;
388      private javax.swing.JTextField prenomTfd;
389      private javax.swing.JLabel telephoneLbl;
390      private javax.swing.JLabel travaillLbl;
391      private javax.swing.JButton validerBtn;
392      // End of variables declaration//GEN-END:variables
393 }
394
```