Portada

Doc de Chema

**Clase Profesor**

1 package src;  
 2   
 3 public class Profesor {  
 4   
 5 private int clave;  
 6 private String nombre;  
 7 private String titulo;  
 8 private String departamento;  
 9 private int horas;  
10   
11 public Profesor(){}  
12   
13 public Profesor(int clave, String nombre, String titulo, String departamento, int horas) {  
14 this.clave = clave;  
15 this.nombre = nombre;  
16 this.titulo = titulo;  
17 this.departamento = departamento;  
18 this.horas = horas;  
19 }  
20   
21 public int getClave() {  
22 return clave;  
23 }  
24   
25 public void setClave(int clave) {  
26 this.clave = clave;  
27 }  
28   
29 public String getNombre() {  
30 return nombre;  
31 }  
32   
33 public void setNombre(String nombre) {  
34 this.nombre = nombre;  
35 }  
36   
37 public String getTitulo() {  
38 return titulo;  
39 }  
40   
41 public void setTitulo(String titulo) {  
42 this.titulo = titulo;  
43 }  
44   
45 public String getDepartamento() {  
46 return departamento;  
47 }  
48   
49 public void setDepartamento(String departamento) {  
50 this.departamento = departamento;  
51 }  
52   
53 public int getHoras() {  
54 return horas;  
55 }  
56   
57 public void setHoras(int horas) {  
58 this.horas = horas;  
59 }  
60   
61 }  
62

**Clase AdmonProfesores**

1 package src;  
 2   
 3 import java.io.\*;  
 4 import javax.swing.JOptionPane;  
 5   
 6 public class AdmonProfesores {  
 7   
 8 private RandomAccessFile raf;  
 9 private int tamRegistro;  
 10   
 11 public AdmonProfesores() {  
 12 raf = null;  
 13 tamRegistro = 114;  
 14 }  
 15   
 16 public int getCont(){  
 17 int clave, x = 1, cont = 0;  
 18 try{  
 19 raf = new RandomAccessFile("Datos.dat", "rw");  
 20 do{  
 21 raf.seek(x \* tamRegistro - tamRegistro);  
 22 clave = raf.readInt();  
 23   
 24 if(clave != 0)  
 25 cont++;  
 26 x++;   
 27 }while(true);  
 28 }catch(EOFException e){}  
 29 catch (IOException e) {  
 30 JOptionPane.showMessageDialog(null, "Error: " + e.getMessage(),   
 31 "EXCEPCION", JOptionPane.ERROR\_MESSAGE);  
 32 }  
 33 finally {  
 34 try{  
 35 if(raf != null)  
 36 raf.close();  
 37 }catch(IOException e){  
 38 JOptionPane.showMessageDialog(null, "Error: " + e.getMessage(),   
 39 "EXCEPCION", JOptionPane.ERROR\_MESSAGE);  
 40 }  
 41 return cont;  
 42 }  
 43 }  
 44   
 45 public int getCelda(int clave){  
 46 try {  
 47 raf = new RandomAccessFile("Datos.dat", "rw");  
 48 raf.seek(clave \* tamRegistro - tamRegistro);  
 49 int celda = raf.readInt();  
 50   
 51 if(celda == clave)  
 52 return celda;  
 53 }catch(EOFException e){}  
 54 catch (IOException e) {  
 55 JOptionPane.showMessageDialog(null, "Error: " + e.getMessage(),   
 56 "EXCEPCION", JOptionPane.ERROR\_MESSAGE);  
 57 }  
 58 finally {  
 59 try{  
 60 if(raf != null)  
 61 raf.close();  
 62 }catch(IOException e){  
 63 JOptionPane.showMessageDialog(null, "Error: " + e.getMessage(),   
 64 "EXCEPCION", JOptionPane.ERROR\_MESSAGE);  
 65 }  
 66 }  
 67 return -1;  
 68 }  
 69   
 70 public void escribir(Profesor pf){  
 71 try {  
 72 raf = new RandomAccessFile("Datos.dat", "rw");  
 73 raf.seek(pf.getClave() \* tamRegistro - tamRegistro);  
 74 raf.writeInt(pf.getClave());  
 75 raf.writeUTF(pf.getNombre());  
 76 raf.writeUTF(pf.getTitulo());  
 77 raf.writeUTF(pf.getDepartamento());  
 78 raf.writeInt(pf.getHoras());  
 79 } catch (IOException e) {  
 80 JOptionPane.showMessageDialog(null, "Error: " + e.getMessage(),   
 81 "EXCEPCION", JOptionPane.ERROR\_MESSAGE);  
 82 }  
 83 finally {  
 84 try {  
 85 if(raf != null)  
 86 raf.close();  
 87 } catch (IOException e) {  
 88 JOptionPane.showMessageDialog(null, "Error: " + e.getMessage(),   
 89 "EXCEPCION", JOptionPane.ERROR\_MESSAGE);  
 90 }  
 91 }  
 92 }  
 93   
 94 public Profesor getProfesor(int celda){  
 95 Profesor p = null;  
 96 try {  
 97 raf = new RandomAccessFile("Datos.dat", "r");  
 98 raf.seek(celda \* tamRegistro - tamRegistro);  
 99 int clave = raf.readInt();  
100 String nombre = raf.readUTF();  
101 String titulo = raf.readUTF();  
102 String departamento = raf.readUTF();  
103 int horas = raf.readInt();  
104 p = new Profesor(clave, nombre, titulo, departamento, horas);  
105 } catch (EOFException e){  
106 } catch (IOException e) {  
107 JOptionPane.showMessageDialog(null, "Error: " + e.getMessage(),   
108 "EXCEPCION", JOptionPane.ERROR\_MESSAGE);  
109 }  
110 finally {  
111 try {  
112 if(raf != null)  
113 raf.close();  
114 } catch (IOException e) {  
115 JOptionPane.showMessageDialog(null, "Error: " + e.getMessage(),   
116 "EXCEPCION", JOptionPane.ERROR\_MESSAGE);  
117 }  
118 return p;  
119 }   
120 }  
121   
122 public void eliminar(Profesor pf){  
123 try {  
124 raf = new RandomAccessFile("Datos.dat", "rw");  
125 raf.seek(pf.getClave() \* tamRegistro - tamRegistro);  
126 raf.writeInt(0);  
127 } catch (IOException e) {  
128 JOptionPane.showMessageDialog(null, "Error: " + e.getMessage(),   
129 "EXCEPCION", JOptionPane.ERROR\_MESSAGE);  
130 }  
131 finally {  
132 try {  
133 if(raf != null)  
134 raf.close();  
135 } catch (IOException e) {  
136 JOptionPane.showMessageDialog(null, "Error: " + e.getMessage(),   
137 "EXCEPCION", JOptionPane.ERROR\_MESSAGE);  
138 }  
139 }  
140 }  
141 }  
142

**Clase Principal**

1 package src;  
 2 import javax.swing.\*;  
 3   
 4 public class Principal extends javax.swing.JFrame {  
 5   
 6 public static AdmonProfesores ap = new AdmonProfesores();  
 7   
 8 public Principal() {  
 9 initComponents();  
 10 setIconImage(new ImageIcon(getClass().getResource("/imagenes/logoITCG.png")).getImage());  
 11 usuario.setVisible(false);  
 12 }  
 13   
 14 @SuppressWarnings("unchecked")  
 15 // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents  
 16 private void initComponents() {  
 17   
 18 icono = new javax.swing.JLabel();  
 19 copyrigth = new javax.swing.JLabel();  
 20 bienvenida = new javax.swing.JButton();  
 21 usuario = new javax.swing.JButton();  
 22 fondo = new javax.swing.JLabel();  
 23 jMenuBar1 = new javax.swing.JMenuBar();  
 24 jMenu1 = new javax.swing.JMenu();  
 25 opcAcercaDe = new javax.swing.JMenuItem();  
 26 opcSalir = new javax.swing.JMenuItem();  
 27 jMenu2 = new javax.swing.JMenu();  
 28 opcAltas = new javax.swing.JMenuItem();  
 29 opcModifiacion = new javax.swing.JMenuItem();  
 30 opcBajas = new javax.swing.JMenuItem();  
 31 jMenu3 = new javax.swing.JMenu();  
 32 opcIndividual = new javax.swing.JMenuItem();  
 33 opcGeneral = new javax.swing.JMenuItem();  
 34   
 35 setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);  
 36 setTitle("MENU");  
 37 setFont(new java.awt.Font("Century Gothic", 0, 10)); // NOI18N  
 38 setPreferredSize(new java.awt.Dimension(720, 480));  
 39 setResizable(false);  
 40 getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());  
 41   
 42 icono.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/icon.png"))); // NOI18N  
 43 icono.setText(" ");  
 44 getContentPane().add(icono, new org.netbeans.lib.awtextra.AbsoluteConstraints(-20, 40, -1, -1));  
 45   
 46 copyrigth.setFont(new java.awt.Font("Comic Sans MS", 2, 9)); // NOI18N  
 47 copyrigth.setText("Sistema Unidad 5 y 6: Directotio de Profesores del Tecnologico de Zapotlan, All Rights Reserved, 2019");  
 48 getContentPane().add(copyrigth, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 390, -1, -1));  
 49   
 50 bienvenida.setFont(new java.awt.Font("Century Gothic", 3, 50)); // NOI18N  
 51 bienvenida.setForeground(new java.awt.Color(35, 15, 114));  
 52 bienvenida.setText("BIENVENIDO");  
 53 bienvenida.setBorderPainted(false);  
 54 bienvenida.setContentAreaFilled(false);  
 55 bienvenida.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));  
 56 bienvenida.setDefaultCapable(false);  
 57 bienvenida.setFocusPainted(false);  
 58 bienvenida.addActionListener(new java.awt.event.ActionListener() {  
 59 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 60 bienvenidaActionPerformed(evt);  
 61 }  
 62 });  
 63 getContentPane().add(bienvenida, new org.netbeans.lib.awtextra.AbsoluteConstraints(380, 50, -1, -1));  
 64   
 65 usuario.setFont(new java.awt.Font("Century Gothic", 3, 25)); // NOI18N  
 66 usuario.setForeground(new java.awt.Color(34, 21, 122));  
 67 usuario.setText("Estimado Usuario");  
 68 usuario.setBorderPainted(false);  
 69 usuario.setContentAreaFilled(false);  
 70 usuario.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));  
 71 usuario.setDefaultCapable(false);  
 72 usuario.setFocusPainted(false);  
 73 usuario.setFocusable(false);  
 74 usuario.addActionListener(new java.awt.event.ActionListener() {  
 75 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 76 usuarioActionPerformed(evt);  
 77 }  
 78 });  
 79 getContentPane().add(usuario, new org.netbeans.lib.awtextra.AbsoluteConstraints(430, 120, -1, -1));  
 80   
 81 fondo.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/fondo1.jpg"))); // NOI18N  
 82 fondo.setText(" ");  
 83 getContentPane().add(fondo, new org.netbeans.lib.awtextra.AbsoluteConstraints(-200, -220, -1, -1));  
 84   
 85 jMenu1.setText("Archivo");  
 86 jMenu1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
 87 jMenu1.setFont(new java.awt.Font("Century Gothic", 0, 12)); // NOI18N  
 88   
 89 opcAcercaDe.setFont(new java.awt.Font("Century Gothic", 2, 12)); // NOI18N  
 90 opcAcercaDe.setText("Acerca de...");  
 91 opcAcercaDe.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
 92 opcAcercaDe.addActionListener(new java.awt.event.ActionListener() {  
 93 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 94 opcAcercaDeActionPerformed(evt);  
 95 }  
 96 });  
 97 jMenu1.add(opcAcercaDe);  
 98   
 99 opcSalir.setFont(new java.awt.Font("Century Gothic", 2, 12)); // NOI18N  
100 opcSalir.setText("Salir");  
101 opcSalir.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
102 opcSalir.addActionListener(new java.awt.event.ActionListener() {  
103 public void actionPerformed(java.awt.event.ActionEvent evt) {  
104 opcSalirActionPerformed(evt);  
105 }  
106 });  
107 jMenu1.add(opcSalir);  
108   
109 jMenuBar1.add(jMenu1);  
110   
111 jMenu2.setText("Operaciones");  
112 jMenu2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
113 jMenu2.setFont(new java.awt.Font("Century Gothic", 0, 12)); // NOI18N  
114   
115 opcAltas.setFont(new java.awt.Font("Century Gothic", 2, 12)); // NOI18N  
116 opcAltas.setText("Altas");  
117 opcAltas.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
118 opcAltas.addActionListener(new java.awt.event.ActionListener() {  
119 public void actionPerformed(java.awt.event.ActionEvent evt) {  
120 opcAltasActionPerformed(evt);  
121 }  
122 });  
123 jMenu2.add(opcAltas);  
124   
125 opcModifiacion.setFont(new java.awt.Font("Century Gothic", 2, 12)); // NOI18N  
126 opcModifiacion.setText("Modificacion");  
127 opcModifiacion.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
128 opcModifiacion.addActionListener(new java.awt.event.ActionListener() {  
129 public void actionPerformed(java.awt.event.ActionEvent evt) {  
130 opcModifiacionActionPerformed(evt);  
131 }  
132 });  
133 jMenu2.add(opcModifiacion);  
134   
135 opcBajas.setFont(new java.awt.Font("Century Gothic", 2, 12)); // NOI18N  
136 opcBajas.setText("Baja");  
137 opcBajas.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
138 opcBajas.addActionListener(new java.awt.event.ActionListener() {  
139 public void actionPerformed(java.awt.event.ActionEvent evt) {  
140 opcBajasActionPerformed(evt);  
141 }  
142 });  
143 jMenu2.add(opcBajas);  
144   
145 jMenuBar1.add(jMenu2);  
146   
147 jMenu3.setText("Consultas");  
148 jMenu3.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
149 jMenu3.setFont(new java.awt.Font("Century Gothic", 0, 12)); // NOI18N  
150   
151 opcIndividual.setFont(new java.awt.Font("Century Gothic", 2, 12)); // NOI18N  
152 opcIndividual.setText("Individual");  
153 opcIndividual.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
154 opcIndividual.addActionListener(new java.awt.event.ActionListener() {  
155 public void actionPerformed(java.awt.event.ActionEvent evt) {  
156 opcIndividualActionPerformed(evt);  
157 }  
158 });  
159 jMenu3.add(opcIndividual);  
160   
161 opcGeneral.setFont(new java.awt.Font("Century Gothic", 2, 12)); // NOI18N  
162 opcGeneral.setText("General");  
163 opcGeneral.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
164 opcGeneral.addActionListener(new java.awt.event.ActionListener() {  
165 public void actionPerformed(java.awt.event.ActionEvent evt) {  
166 opcGeneralActionPerformed(evt);  
167 }  
168 });  
169 jMenu3.add(opcGeneral);  
170   
171 jMenuBar1.add(jMenu3);  
172   
173 setJMenuBar(jMenuBar1);  
174   
175 pack();  
176 }// </editor-fold>//GEN-END:initComponents  
177   
178 private void opcAltasActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_opcAltasActionPerformed  
179 if(ap.getCont() < 66){  
180 FrmAltas vis = new FrmAltas(this, true);  
181 vis.setVisible(true);  
182 }  
183 else{  
184 JOptionPane.showMessageDialog(this, "La agenda ya esta llena",  
185 "AGENDA LLENA", JOptionPane.INFORMATION\_MESSAGE);  
186 }  
187 }//GEN-LAST:event\_opcAltasActionPerformed  
188   
189 private void opcSalirActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_opcSalirActionPerformed  
190 System.exit(0);  
191 }//GEN-LAST:event\_opcSalirActionPerformed  
192   
193 private void opcModifiacionActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_opcModifiacionActionPerformed  
194 if(ap.getCont() > 0){  
195 FrmModificacion fm = new FrmModificacion(this, true);  
196 fm.setVisible(true);  
197 }  
198 else{  
199 JOptionPane.showMessageDialog(this, "No hay profesores registrados",  
200 "AGENDA VACIA", JOptionPane.INFORMATION\_MESSAGE);  
201 }  
202 }//GEN-LAST:event\_opcModifiacionActionPerformed  
203   
204 private void opcBajasActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_opcBajasActionPerformed  
205 if(ap.getCont() > 0){  
206 FrmBajas fb = new FrmBajas(this, true);  
207 fb.setVisible(true);  
208 }  
209 else{  
210 JOptionPane.showMessageDialog(this, "No hay profesores registrados",  
211 "AGENDA VACIA", JOptionPane.INFORMATION\_MESSAGE);  
212 }  
213 }//GEN-LAST:event\_opcBajasActionPerformed  
214   
215 private void opcIndividualActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_opcIndividualActionPerformed  
216 if(ap.getCont() > 0){  
217 FrmConsIndividual ci = new FrmConsIndividual(this, true);  
218 ci.setVisible(true);  
219 }  
220 else{  
221 JOptionPane.showMessageDialog(this, "No hay profesores registrados",  
222 "AGENDA VACIA", JOptionPane.INFORMATION\_MESSAGE);  
223 }  
224 }//GEN-LAST:event\_opcIndividualActionPerformed  
225   
226 private void bienvenidaActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_bienvenidaActionPerformed  
227 usuario.setVisible(true);  
228 }//GEN-LAST:event\_bienvenidaActionPerformed  
229   
230 private void usuarioActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_usuarioActionPerformed  
231 usuario.setVisible(false);  
232 }//GEN-LAST:event\_usuarioActionPerformed  
233   
234 private void opcAcercaDeActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_opcAcercaDeActionPerformed  
235 FrmAcercaDe acd = new FrmAcercaDe(this, true);  
236 acd.setVisible(true);  
237 }//GEN-LAST:event\_opcAcercaDeActionPerformed  
238   
239 private void opcGeneralActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_opcGeneralActionPerformed  
240 if(ap.getCont() > 0){  
241 FrmConsGeneral fcc = new FrmConsGeneral(this, true);  
242 fcc.setVisible(true);  
243 }   
244 else{  
245 JOptionPane.showMessageDialog(this, "No hay profesores registrados",  
246 "AGENDA VACIA", JOptionPane.INFORMATION\_MESSAGE);  
247 }  
248 }//GEN-LAST:event\_opcGeneralActionPerformed  
249   
250 public static void main(String args[]) {  
251 java.awt.EventQueue.invokeLater(new Runnable() {  
252 public void run() {  
253 Principal principal = new Principal();  
254 principal.setVisible(true);  
255 principal.setResizable(false);  
256 principal.setLocationRelativeTo(null);  
257   
258 }  
259 });  
260 }  
261   
262 // Variables declaration - do not modify//GEN-BEGIN:variables  
263 private javax.swing.JButton bienvenida;  
264 private javax.swing.JLabel copyrigth;  
265 private javax.swing.JLabel fondo;  
266 private javax.swing.JLabel icono;  
267 private javax.swing.JMenu jMenu1;  
268 private javax.swing.JMenu jMenu2;  
269 private javax.swing.JMenu jMenu3;  
270 private javax.swing.JMenuBar jMenuBar1;  
271 private javax.swing.JMenuItem opcAcercaDe;  
272 private javax.swing.JMenuItem opcAltas;  
273 private javax.swing.JMenuItem opcBajas;  
274 private javax.swing.JMenuItem opcGeneral;  
275 private javax.swing.JMenuItem opcIndividual;  
276 private javax.swing.JMenuItem opcModifiacion;  
277 private javax.swing.JMenuItem opcSalir;  
278 private javax.swing.JButton usuario;  
279 // End of variables declaration//GEN-END:variables  
280 }  
281

**Clase FrmAltas**

1 package src;  
 2   
 3 import java.awt.event.KeyEvent;  
 4 import javax.swing.\*;  
 5   
 6 public class FrmAltas extends javax.swing.JDialog {  
 7   
 8 public FrmAltas(java.awt.Frame parent, boolean modal) {  
 9 super(parent, modal);  
 10 initComponents();  
 11 setIconImage(new ImageIcon(getClass().getResource("/imagenes/logoITCG.png")).getImage());  
 12 }  
 13   
 14 public void accionBuscar(){  
 15 try{  
 16 int clave, celda;  
 17 clave = Integer.parseInt(txtClave.getText());  
 18 if(clave > 0 && clave < 66){  
 19 celda = Principal.ap.getCelda(clave);  
 20 if(celda == -1)  
 21 {  
 22 txtClave.setEditable(false);  
 23 btnBuscar.setEnabled(false);  
 24 txtNombre.setEditable(true);  
 25 txtTitulo.setEditable(true);  
 26 txtDepartamento.setEditable(true);  
 27 txtHoras.setEditable(true);  
 28 btnGuardar.setEnabled(true);  
 29 txtNombre.requestFocus();  
 30 }  
 31 else{  
 32 JOptionPane.showMessageDialog(this, "Clave existente",  
 33 "REPETIDA", JOptionPane.INFORMATION\_MESSAGE);  
 34 this.dispose();  
 35 }  
 36 }  
 37 else{  
 38 JOptionPane.showMessageDialog(this, "Ingrese una clave de 1 a 65",   
 39 "CLAVE FUERA DE RANGO", JOptionPane.ERROR\_MESSAGE);  
 40 }  
 41 }catch(NumberFormatException nfe){  
 42 JOptionPane.showMessageDialog(this, "Ingresa solamente numeros enteros ",   
 43 "CARACTER INVALIDO", JOptionPane.ERROR\_MESSAGE);   
 44 }catch(RuntimeException e){  
 45 JOptionPane.showMessageDialog(this, "Situacion anomala en tiempo de ejecuciÃ³n, vuelve a intentarlo",   
 46 "SITUACION ANOMALA", JOptionPane.ERROR\_MESSAGE);  
 47 }  
 48 }  
 49   
 50 public void accionGuardar(){  
 51 int clave, horas;  
 52 String nombre, departamento, titulo;  
 53   
 54 try {  
 55 clave = Integer.parseInt(txtClave.getText());  
 56 nombre = txtNombre.getText();  
 57 if(nombre.length() > 40)  
 58 nombre = nombre.substring(0, 40);  
 59 titulo = txtTitulo.getText();  
 60 if(titulo.length() > 30)  
 61 titulo = titulo.substring(0, 30);  
 62 departamento = txtDepartamento.getText();  
 63 if(departamento.length() > 30)  
 64 departamento = departamento.substring(0, 30);  
 65 horas = Integer.parseInt(txtHoras.getText());  
 66   
 67 Profesor pf = new Profesor(clave, nombre, titulo, departamento, horas);  
 68 Principal.ap.escribir(pf);  
 69   
 70 JOptionPane.showMessageDialog(this, "Guardado con exito",  
 71 "GUARDADO", JOptionPane.INFORMATION\_MESSAGE);  
 72 this.dispose();  
 73   
 74 } catch (NumberFormatException nfe) {  
 75 JOptionPane.showMessageDialog(this, "Ingresa solamente numeros enteros donde corresponda",   
 76 "CARACTER INVALIDO", JOptionPane.ERROR\_MESSAGE);  
 77 }  
 78 catch(RuntimeException e){  
 79 JOptionPane.showMessageDialog(this, "Situacion anomala en tiempo de ejecucion, vuelve a intentarlo",   
 80 "SITUACION ANOMALA", JOptionPane.ERROR\_MESSAGE);  
 81 }  
 82 }  
 83   
 84 @SuppressWarnings("unchecked")  
 85 // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents  
 86 private void initComponents() {  
 87   
 88 jLabel1 = new javax.swing.JLabel();  
 89 jLabel2 = new javax.swing.JLabel();  
 90 jLabel3 = new javax.swing.JLabel();  
 91 jLabel4 = new javax.swing.JLabel();  
 92 jLabel5 = new javax.swing.JLabel();  
 93 jLabel6 = new javax.swing.JLabel();  
 94 txtClave = new javax.swing.JTextField();  
 95 txtNombre = new javax.swing.JTextField();  
 96 txtTitulo = new javax.swing.JTextField();  
 97 txtDepartamento = new javax.swing.JTextField();  
 98 txtHoras = new javax.swing.JTextField();  
 99 btnBuscar = new javax.swing.JButton();  
100 btnGuardar = new javax.swing.JButton();  
101 btnVolver = new javax.swing.JButton();  
102 fondo = new javax.swing.JLabel();  
103   
104 setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);  
105 setTitle("ALTAS");  
106 setPreferredSize(new java.awt.Dimension(400, 350));  
107 setResizable(false);  
108 addWindowListener(new java.awt.event.WindowAdapter() {  
109 public void windowClosed(java.awt.event.WindowEvent evt) {  
110 formWindowClosed(evt);  
111 }  
112 });  
113 getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());  
114   
115 jLabel1.setFont(new java.awt.Font("Century Gothic", 2, 20)); // NOI18N  
116 jLabel1.setText("ALTAS");  
117 getContentPane().add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(180, 30, -1, -1));  
118   
119 jLabel2.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
120 jLabel2.setText("Clave: ");  
121 getContentPane().add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 90, -1, -1));  
122   
123 jLabel3.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
124 jLabel3.setText("Nombre:");  
125 getContentPane().add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 120, -1, -1));  
126   
127 jLabel4.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
128 jLabel4.setText("Titulo: ");  
129 getContentPane().add(jLabel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 150, -1, -1));  
130   
131 jLabel5.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
132 jLabel5.setText("Departamento: ");  
133 getContentPane().add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 180, -1, -1));  
134   
135 jLabel6.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
136 jLabel6.setText("Horas: ");  
137 getContentPane().add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 210, -1, -1));  
138   
139 txtClave.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
140 txtClave.addKeyListener(new java.awt.event.KeyAdapter() {  
141 public void keyPressed(java.awt.event.KeyEvent evt) {  
142 txtClaveKeyPressed(evt);  
143 }  
144 });  
145 getContentPane().add(txtClave, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 90, 104, -1));  
146   
147 txtNombre.setEditable(false);  
148 txtNombre.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
149 txtNombre.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));  
150 txtNombre.setOpaque(false);  
151 getContentPane().add(txtNombre, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 120, 240, -1));  
152   
153 txtTitulo.setEditable(false);  
154 txtTitulo.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
155 txtTitulo.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));  
156 txtTitulo.setOpaque(false);  
157 getContentPane().add(txtTitulo, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 150, 240, -1));  
158   
159 txtDepartamento.setEditable(false);  
160 txtDepartamento.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
161 txtDepartamento.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));  
162 txtDepartamento.setOpaque(false);  
163 getContentPane().add(txtDepartamento, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 180, 240, -1));  
164   
165 txtHoras.setEditable(false);  
166 txtHoras.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
167 txtHoras.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));  
168 txtHoras.setOpaque(false);  
169 txtHoras.addKeyListener(new java.awt.event.KeyAdapter() {  
170 public void keyPressed(java.awt.event.KeyEvent evt) {  
171 txtHorasKeyPressed(evt);  
172 }  
173 });  
174 getContentPane().add(txtHoras, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 210, 240, -1));  
175   
176 btnBuscar.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/bscr.png"))); // NOI18N  
177 btnBuscar.setText(" ");  
178 btnBuscar.setToolTipText("BUSCAR");  
179 btnBuscar.setBorderPainted(false);  
180 btnBuscar.setContentAreaFilled(false);  
181 btnBuscar.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
182 btnBuscar.setDefaultCapable(false);  
183 btnBuscar.setFocusPainted(false);  
184 btnBuscar.setFocusable(false);  
185 btnBuscar.addActionListener(new java.awt.event.ActionListener() {  
186 public void actionPerformed(java.awt.event.ActionEvent evt) {  
187 btnBuscarActionPerformed(evt);  
188 }  
189 });  
190 getContentPane().add(btnBuscar, new org.netbeans.lib.awtextra.AbsoluteConstraints(240, 70, 60, -1));  
191   
192 btnGuardar.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/gdr.png"))); // NOI18N  
193 btnGuardar.setToolTipText("GUARDAR");  
194 btnGuardar.setBorderPainted(false);  
195 btnGuardar.setContentAreaFilled(false);  
196 btnGuardar.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
197 btnGuardar.setDefaultCapable(false);  
198 btnGuardar.setEnabled(false);  
199 btnGuardar.setFocusPainted(false);  
200 btnGuardar.addActionListener(new java.awt.event.ActionListener() {  
201 public void actionPerformed(java.awt.event.ActionEvent evt) {  
202 btnGuardarActionPerformed(evt);  
203 }  
204 });  
205 getContentPane().add(btnGuardar, new org.netbeans.lib.awtextra.AbsoluteConstraints(110, 240, 177, -1));  
206   
207 btnVolver.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/vlvr.jpg"))); // NOI18N  
208 btnVolver.setText(" ");  
209 btnVolver.setToolTipText("VOLVER");  
210 btnVolver.setBorderPainted(false);  
211 btnVolver.setContentAreaFilled(false);  
212 btnVolver.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
213 btnVolver.setDefaultCapable(false);  
214 btnVolver.setFocusPainted(false);  
215 btnVolver.setFocusable(false);  
216 btnVolver.addActionListener(new java.awt.event.ActionListener() {  
217 public void actionPerformed(java.awt.event.ActionEvent evt) {  
218 btnVolverActionPerformed(evt);  
219 }  
220 });  
221 getContentPane().add(btnVolver, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 20, -1, -1));  
222   
223 fondo.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/fondo2.jpg"))); // NOI18N  
224 fondo.setText(" ");  
225 getContentPane().add(fondo, new org.netbeans.lib.awtextra.AbsoluteConstraints(-130, -570, -1, -1));  
226   
227 pack();  
228 setLocationRelativeTo(null);  
229 }// </editor-fold>//GEN-END:initComponents  
230   
231 private void btnBuscarActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_btnBuscarActionPerformed  
232 accionBuscar();  
233 }//GEN-LAST:event\_btnBuscarActionPerformed  
234   
235 private void btnGuardarActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_btnGuardarActionPerformed  
236 accionGuardar();  
237 }//GEN-LAST:event\_btnGuardarActionPerformed  
238   
239 private void formWindowClosed(java.awt.event.WindowEvent evt) {//GEN-FIRST:event\_formWindowClosed  
240 this.dispose();  
241 }//GEN-LAST:event\_formWindowClosed  
242   
243 private void txtClaveKeyPressed(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_txtClaveKeyPressed  
244 if(evt.getKeyCode() == KeyEvent.VK\_ENTER)  
245 accionBuscar();  
246 }//GEN-LAST:event\_txtClaveKeyPressed  
247   
248 private void txtHorasKeyPressed(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_txtHorasKeyPressed  
249 if(evt.getKeyCode() == KeyEvent.VK\_ENTER)  
250 accionGuardar();  
251 }//GEN-LAST:event\_txtHorasKeyPressed  
252   
253 private void btnVolverActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_btnVolverActionPerformed  
254 this.dispose();  
255 }//GEN-LAST:event\_btnVolverActionPerformed  
256   
257 // Variables declaration - do not modify//GEN-BEGIN:variables  
258 private javax.swing.JButton btnBuscar;  
259 private javax.swing.JButton btnGuardar;  
260 private javax.swing.JButton btnVolver;  
261 private javax.swing.JLabel fondo;  
262 private javax.swing.JLabel jLabel1;  
263 private javax.swing.JLabel jLabel2;  
264 private javax.swing.JLabel jLabel3;  
265 private javax.swing.JLabel jLabel4;  
266 private javax.swing.JLabel jLabel5;  
267 private javax.swing.JLabel jLabel6;  
268 private javax.swing.JTextField txtClave;  
269 private javax.swing.JTextField txtDepartamento;  
270 private javax.swing.JTextField txtHoras;  
271 private javax.swing.JTextField txtNombre;  
272 private javax.swing.JTextField txtTitulo;  
273 // End of variables declaration//GEN-END:variables  
274 }  
275

**FrmConsIndividual**

1 package src;  
 2 import java.awt.event.KeyEvent;  
 3 import javax.swing.\*;  
 4 public class FrmConsIndividual extends javax.swing.JDialog {  
 5 Profesor p;  
 6 public FrmConsIndividual(java.awt.Frame parent, boolean modal) {  
 7 super(parent, modal);  
 8 initComponents();  
 9 setIconImage(new ImageIcon(getClass().getResource("/imagenes/logoITCG.png")).getImage());  
 10 }  
 11   
 12 public void accionBuscar(){  
 13 try{  
 14 int clave, celda;  
 15 clave = Integer.parseInt(txtClave.getText());  
 16 if(clave > 0 && clave < 66){  
 17 celda = Principal.ap.getCelda(clave);  
 18 if(celda != -1){  
 19 p = Principal.ap.getProfesor(celda);  
 20 txtNombre.setText(p.getNombre());  
 21 txtTitulo.setText(p.getTitulo());  
 22 txtDepartamento.setText(p.getDepartamento());  
 23 txtHoras.setText(Integer.toString(p.getHoras()));  
 24 txtClave.requestFocus();  
 25 }  
 26 else{  
 27 JOptionPane.showMessageDialog(this, "Clave inexistente",  
 28 "INEXISTENTE", JOptionPane.INFORMATION\_MESSAGE);  
 29 }  
 30 }  
 31 else{  
 32 JOptionPane.showMessageDialog(this, "Ingrese una clave de 1 a 65",   
 33 "CLAVE FUERA DE RANGO", JOptionPane.ERROR\_MESSAGE);  
 34 }  
 35 }catch(NumberFormatException nfe){  
 36 JOptionPane.showMessageDialog(this, "Ingresa solamente numeros enteros ",   
 37 "CARACTER INVALIDO", JOptionPane.ERROR\_MESSAGE);   
 38 }catch(RuntimeException e){  
 39 JOptionPane.showMessageDialog(this, "Situacion anomala en tiempo de ejecuciÃ³n, vuelve a intentarlo",   
 40 "SITUACION ANOMALA", JOptionPane.ERROR\_MESSAGE);  
 41 }  
 42 }  
 43   
 44 @SuppressWarnings("unchecked")  
 45 // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents  
 46 private void initComponents() {  
 47   
 48 jLabel1 = new javax.swing.JLabel();  
 49 jLabel2 = new javax.swing.JLabel();  
 50 jLabel3 = new javax.swing.JLabel();  
 51 jLabel4 = new javax.swing.JLabel();  
 52 jLabel5 = new javax.swing.JLabel();  
 53 jLabel6 = new javax.swing.JLabel();  
 54 txtClave = new javax.swing.JTextField();  
 55 txtNombre = new javax.swing.JTextField();  
 56 txtTitulo = new javax.swing.JTextField();  
 57 txtDepartamento = new javax.swing.JTextField();  
 58 txtHoras = new javax.swing.JTextField();  
 59 btnBuscar = new javax.swing.JButton();  
 60 btnVolver = new javax.swing.JButton();  
 61 fondo = new javax.swing.JLabel();  
 62   
 63 setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);  
 64 setTitle("CONSULTA INDIVIDUAL");  
 65 setMaximumSize(new java.awt.Dimension(400, 350));  
 66 setMinimumSize(new java.awt.Dimension(400, 350));  
 67 setModal(true);  
 68 setPreferredSize(new java.awt.Dimension(400, 350));  
 69 setResizable(false);  
 70 addWindowListener(new java.awt.event.WindowAdapter() {  
 71 public void windowClosed(java.awt.event.WindowEvent evt) {  
 72 formWindowClosed(evt);  
 73 }  
 74 public void windowOpened(java.awt.event.WindowEvent evt) {  
 75 formWindowOpened(evt);  
 76 }  
 77 });  
 78 getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());  
 79   
 80 jLabel1.setFont(new java.awt.Font("Century Gothic", 2, 20)); // NOI18N  
 81 jLabel1.setText("INDIVIDUAL");  
 82 getContentPane().add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(150, 40, -1, -1));  
 83   
 84 jLabel2.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
 85 jLabel2.setText("Clave:");  
 86 getContentPane().add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 100, -1, -1));  
 87   
 88 jLabel3.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
 89 jLabel3.setText("Nombre:");  
 90 getContentPane().add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 130, -1, -1));  
 91   
 92 jLabel4.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
 93 jLabel4.setText("Titulo:");  
 94 getContentPane().add(jLabel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 160, -1, -1));  
 95   
 96 jLabel5.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
 97 jLabel5.setText("Departamento:");  
 98 getContentPane().add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 190, -1, -1));  
 99   
100 jLabel6.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
101 jLabel6.setText("Horas:");  
102 getContentPane().add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 220, -1, -1));  
103   
104 txtClave.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
105 txtClave.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));  
106 txtClave.setOpaque(false);  
107 txtClave.addKeyListener(new java.awt.event.KeyAdapter() {  
108 public void keyPressed(java.awt.event.KeyEvent evt) {  
109 txtClaveKeyPressed(evt);  
110 }  
111 });  
112 getContentPane().add(txtClave, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 100, 133, -1));  
113   
114 txtNombre.setEditable(false);  
115 txtNombre.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
116 txtNombre.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));  
117 txtNombre.setOpaque(false);  
118 getContentPane().add(txtNombre, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 130, 250, -1));  
119   
120 txtTitulo.setEditable(false);  
121 txtTitulo.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
122 txtTitulo.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));  
123 txtTitulo.setOpaque(false);  
124 getContentPane().add(txtTitulo, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 160, 250, -1));  
125   
126 txtDepartamento.setEditable(false);  
127 txtDepartamento.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
128 txtDepartamento.setAutoscrolls(false);  
129 txtDepartamento.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));  
130 txtDepartamento.setOpaque(false);  
131 getContentPane().add(txtDepartamento, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 190, 250, -1));  
132   
133 txtHoras.setEditable(false);  
134 txtHoras.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
135 txtHoras.setAutoscrolls(false);  
136 txtHoras.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));  
137 txtHoras.setOpaque(false);  
138 getContentPane().add(txtHoras, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 220, 250, -1));  
139   
140 btnBuscar.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/bscr.png"))); // NOI18N  
141 btnBuscar.setText(" ");  
142 btnBuscar.setToolTipText("BUSCAR");  
143 btnBuscar.setBorderPainted(false);  
144 btnBuscar.setContentAreaFilled(false);  
145 btnBuscar.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
146 btnBuscar.setDefaultCapable(false);  
147 btnBuscar.setFocusPainted(false);  
148 btnBuscar.addActionListener(new java.awt.event.ActionListener() {  
149 public void actionPerformed(java.awt.event.ActionEvent evt) {  
150 btnBuscarActionPerformed(evt);  
151 }  
152 });  
153 getContentPane().add(btnBuscar, new org.netbeans.lib.awtextra.AbsoluteConstraints(250, 80, -1, -1));  
154   
155 btnVolver.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/vlvr.jpg"))); // NOI18N  
156 btnVolver.setText(" ");  
157 btnVolver.setToolTipText("VOLVER");  
158 btnVolver.setBorderPainted(false);  
159 btnVolver.setContentAreaFilled(false);  
160 btnVolver.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
161 btnVolver.setDefaultCapable(false);  
162 btnVolver.setFocusPainted(false);  
163 btnVolver.setFocusable(false);  
164 btnVolver.addActionListener(new java.awt.event.ActionListener() {  
165 public void actionPerformed(java.awt.event.ActionEvent evt) {  
166 btnVolverActionPerformed(evt);  
167 }  
168 });  
169 getContentPane().add(btnVolver, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 20, -1, -1));  
170   
171 fondo.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/fondo2.jpg"))); // NOI18N  
172 fondo.setText(" ");  
173 fondo.setMaximumSize(new java.awt.Dimension(400, 350));  
174 fondo.setMinimumSize(new java.awt.Dimension(400, 350));  
175 fondo.setPreferredSize(new java.awt.Dimension(400, 350));  
176 getContentPane().add(fondo, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, -320, 530, 680));  
177 fondo.getAccessibleContext().setAccessibleDescription("");  
178   
179 pack();  
180 setLocationRelativeTo(null);  
181 }// </editor-fold>//GEN-END:initComponents  
182   
183 private void btnBuscarActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_btnBuscarActionPerformed  
184 accionBuscar();  
185 }//GEN-LAST:event\_btnBuscarActionPerformed  
186   
187 private void formWindowClosed(java.awt.event.WindowEvent evt) {//GEN-FIRST:event\_formWindowClosed  
188 this.dispose();  
189 }//GEN-LAST:event\_formWindowClosed  
190   
191 private void txtClaveKeyPressed(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_txtClaveKeyPressed  
192 if(evt.getKeyCode() == KeyEvent.VK\_ENTER)  
193 accionBuscar();  
194 }//GEN-LAST:event\_txtClaveKeyPressed  
195   
196 private void btnVolverActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_btnVolverActionPerformed  
197 this.dispose();  
198 }//GEN-LAST:event\_btnVolverActionPerformed  
199   
200 private void formWindowOpened(java.awt.event.WindowEvent evt) {//GEN-FIRST:event\_formWindowOpened  
201 txtClave.requestFocus();  
202 }//GEN-LAST:event\_formWindowOpened  
203   
204 // Variables declaration - do not modify//GEN-BEGIN:variables  
205 private javax.swing.JButton btnBuscar;  
206 private javax.swing.JButton btnVolver;  
207 private javax.swing.JLabel fondo;  
208 private javax.swing.JLabel jLabel1;  
209 private javax.swing.JLabel jLabel2;  
210 private javax.swing.JLabel jLabel3;  
211 private javax.swing.JLabel jLabel4;  
212 private javax.swing.JLabel jLabel5;  
213 private javax.swing.JLabel jLabel6;  
214 private javax.swing.JTextField txtClave;  
215 private javax.swing.JTextField txtDepartamento;  
216 private javax.swing.JTextField txtHoras;  
217 private javax.swing.JTextField txtNombre;  
218 private javax.swing.JTextField txtTitulo;  
219 // End of variables declaration//GEN-END:variables  
220 }  
221

**Clase FrmConsGeneral**

1 package src;  
 2   
 3 import java.awt.Color;  
 4 import java.util.ArrayList;  
 5 import javax.swing.ImageIcon;  
 6 import javax.swing.table.DefaultTableCellRenderer;  
 7 import javax.swing.table.DefaultTableModel;  
 8   
 9 public class FrmConsGeneral extends javax.swing.JDialog {  
 10   
 11 int x = 1;  
 12   
 13 DefaultTableModel tbProfe = new DefaultTableModel();  
 14 ArrayList<Profesor> listaProfe = new ArrayList<>();  
 15   
 16 public FrmConsGeneral(java.awt.Frame parent, boolean modal) {  
 17 super(parent, modal);  
 18 initComponents();  
 19 setIconImage(new ImageIcon(getClass().getResource("/imagenes/logoITCG.png")).getImage());  
 20 jScrollPane2.setBackground(new Color( 0,0,0,0));  
 21 jScrollPane2.setOpaque(false);  
 22 tablaGeneral.setOpaque(false);  
 23 ((DefaultTableCellRenderer)tablaGeneral.getDefaultRenderer(Object.class)).setOpaque(false);  
 24 jScrollPane2.getViewport().setOpaque(false);  
 25 setModel();  
 26 }  
 27   
 28 private void setModel(){  
 29 String[] cabecera = {"Clave", "Nombre", "Departamento"};  
 30 tbProfe.setColumnIdentifiers(cabecera);  
 31 tablaGeneral.setModel(tbProfe);  
 32 }  
 33   
 34 private void llenarLista(){  
 35 Profesor prof;  
 36 int clave;  
 37 prof = Principal.ap.getProfesor(x);  
 38 clave = prof.getClave();  
 39 if(clave != 0){  
 40 listaProfe.add(prof);  
 41 }  
 42 else  
 43 prof = new Profesor(0, null, null, null, 0);  
 44 x++;  
 45 }  
 46   
 47 private void setDatos(){  
 48 Object [] datos = new Object[tbProfe.getColumnCount()];  
 49 tbProfe.setRowCount(0);  
 50   
 51 for(Profesor prs : listaProfe){  
 52 datos[0] = prs.getClave();  
 53 datos[1] = prs.getNombre();  
 54 datos[2] = prs.getDepartamento();  
 55 tbProfe.addRow(datos);  
 56 }  
 57 tablaGeneral.setModel(tbProfe);  
 58 }  
 59   
 60 @SuppressWarnings("unchecked")  
 61 // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents  
 62 private void initComponents() {  
 63   
 64 jScrollPane2 = new javax.swing.JScrollPane();  
 65 tablaGeneral = new javax.swing.JTable();  
 66 jLabel1 = new javax.swing.JLabel();  
 67 btnVolver = new javax.swing.JButton();  
 68 fondo = new javax.swing.JLabel();  
 69   
 70 setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);  
 71 setTitle("CONSULTA GENERAL");  
 72 setMaximumSize(new java.awt.Dimension(800, 400));  
 73 setMinimumSize(new java.awt.Dimension(800, 400));  
 74 setPreferredSize(new java.awt.Dimension(800, 400));  
 75 setResizable(false);  
 76 addWindowListener(new java.awt.event.WindowAdapter() {  
 77 public void windowClosed(java.awt.event.WindowEvent evt) {  
 78 formWindowClosed(evt);  
 79 }  
 80 public void windowOpened(java.awt.event.WindowEvent evt) {  
 81 formWindowOpened(evt);  
 82 }  
 83 });  
 84 getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());  
 85   
 86 jScrollPane2.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));  
 87 jScrollPane2.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
 88 jScrollPane2.setOpaque(false);  
 89   
 90 tablaGeneral.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
 91 tablaGeneral.setModel(new javax.swing.table.DefaultTableModel(  
 92 new Object [][] {  
 93 {},  
 94 {},  
 95 {},  
 96 {}  
 97 },  
 98 new String [] {  
 99   
100 }  
101 ));  
102 tablaGeneral.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));  
103 tablaGeneral.setFocusable(false);  
104 tablaGeneral.setGridColor(new java.awt.Color(0, 204, 204));  
105 tablaGeneral.setOpaque(false);  
106 tablaGeneral.setRequestFocusEnabled(false);  
107 jScrollPane2.setViewportView(tablaGeneral);  
108   
109 getContentPane().add(jScrollPane2, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 75, 730, 260));  
110   
111 jLabel1.setFont(new java.awt.Font("Century Gothic", 2, 20)); // NOI18N  
112 jLabel1.setText("CONSULTA GENERAL");  
113 getContentPane().add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(270, 20, -1, -1));  
114   
115 btnVolver.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/vlvr.jpg"))); // NOI18N  
116 btnVolver.setText(" ");  
117 btnVolver.setToolTipText("VOLVER");  
118 btnVolver.setBorderPainted(false);  
119 btnVolver.setContentAreaFilled(false);  
120 btnVolver.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
121 btnVolver.setDefaultCapable(false);  
122 btnVolver.setFocusPainted(false);  
123 btnVolver.setFocusable(false);  
124 btnVolver.addActionListener(new java.awt.event.ActionListener() {  
125 public void actionPerformed(java.awt.event.ActionEvent evt) {  
126 btnVolverActionPerformed(evt);  
127 }  
128 });  
129 getContentPane().add(btnVolver, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 10, -1, -1));  
130   
131 fondo.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/fondo2.jpg"))); // NOI18N  
132 fondo.setText(" ");  
133 getContentPane().add(fondo, new org.netbeans.lib.awtextra.AbsoluteConstraints(-540, -210, -1, -1));  
134   
135 pack();  
136 setLocationRelativeTo(null);  
137 }// </editor-fold>//GEN-END:initComponents  
138   
139 private void formWindowOpened(java.awt.event.WindowEvent evt) {//GEN-FIRST:event\_formWindowOpened  
140 try{  
141 do{  
142 llenarLista();  
143 setDatos();   
144 }while(true);  
145 }catch(NullPointerException e){  
146 }catch(Exception e){  
147   
148 }  
149 }//GEN-LAST:event\_formWindowOpened  
150   
151 private void formWindowClosed(java.awt.event.WindowEvent evt) {//GEN-FIRST:event\_formWindowClosed  
152 this.dispose();  
153 }//GEN-LAST:event\_formWindowClosed  
154   
155 private void btnVolverActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_btnVolverActionPerformed  
156 this.dispose();  
157 }//GEN-LAST:event\_btnVolverActionPerformed  
158   
159 // Variables declaration - do not modify//GEN-BEGIN:variables  
160 private javax.swing.JButton btnVolver;  
161 private javax.swing.JLabel fondo;  
162 private javax.swing.JLabel jLabel1;  
163 private javax.swing.JScrollPane jScrollPane2;  
164 private javax.swing.JTable tablaGeneral;  
165 // End of variables declaration//GEN-END:variables  
166 }  
167

**Clase FrmModificaciones**

1 package src;  
 2   
 3 import java.awt.event.KeyEvent;  
 4 import javax.swing.\*;  
 5   
 6 public class FrmModificacion extends javax.swing.JDialog {  
 7 Profesor p;  
 8   
 9 public FrmModificacion(java.awt.Frame parent, boolean modal) {  
 10 super(parent, modal);  
 11 initComponents();  
 12 setIconImage(new ImageIcon(getClass().getResource("/imagenes/logoITCG.png")).getImage());  
 13 }  
 14   
 15 public void accionBuscar(){  
 16 try{  
 17 int clave, celda;  
 18 clave = Integer.parseInt(txtClave.getText());  
 19 if(clave > 0 && clave < 66){  
 20 celda = Principal.ap.getCelda(clave);  
 21 if(celda != -1){  
 22 p = Principal.ap.getProfesor(celda);  
 23 txtClave.setEditable(false);  
 24 btnBuscar.setEnabled(false);  
 25 txtNombre.setEditable(true);  
 26 txtTitulo.setEditable(true);  
 27 txtDepartamento.setEditable(true);  
 28 txtHoras.setEditable(true);  
 29 txtNombre.setText(p.getNombre());  
 30 txtTitulo.setText(p.getTitulo());  
 31 txtDepartamento.setText(p.getDepartamento());  
 32 txtHoras.setText(Integer.toString(p.getHoras()));  
 33 btnModificar.setEnabled(true);  
 34 txtNombre.requestFocus();  
 35 }  
 36 else{  
 37 JOptionPane.showMessageDialog(this, "Clave inexistente",  
 38 "INEXISTENTE", JOptionPane.INFORMATION\_MESSAGE);  
 39 this.dispose();  
 40 }  
 41 }  
 42 else{  
 43 JOptionPane.showMessageDialog(this, "Ingrese una clave de 1 a 65",   
 44 "CLAVE FUERA DE RANGO", JOptionPane.ERROR\_MESSAGE);  
 45 }  
 46 }catch(NumberFormatException nfe){  
 47 JOptionPane.showMessageDialog(this, "Ingresa solamente numeros enteros ",   
 48 "CARACTER INVALIDO", JOptionPane.ERROR\_MESSAGE);   
 49 }catch(RuntimeException e){  
 50 JOptionPane.showMessageDialog(this, "Situacion anomala en tiempo de ejecuciÃ³n, vuelve a intentarlo",   
 51 "SITUACION ANOMALA", JOptionPane.ERROR\_MESSAGE);  
 52 }  
 53 }  
 54   
 55 public void accionModificar(){  
 56 int clave, horas;  
 57 String nombre, departamento, titulo;  
 58   
 59 try {  
 60 clave = Integer.parseInt(txtClave.getText());  
 61 nombre = txtNombre.getText();  
 62 if(nombre.length() > 40)  
 63 nombre = nombre.substring(0, 40);  
 64 titulo = txtTitulo.getText();  
 65 if(titulo.length() > 30)  
 66 titulo = titulo.substring(0, 30);  
 67 departamento = txtDepartamento.getText();  
 68 if(departamento.length() > 30)  
 69 departamento = departamento.substring(0, 30);  
 70 horas = Integer.parseInt(txtHoras.getText());  
 71   
 72 p = new Profesor(clave, nombre, titulo, departamento, horas);  
 73 Principal.ap.escribir(p);  
 74   
 75 JOptionPane.showMessageDialog(this, "Modificado con exito",  
 76 "MODIFICADO", JOptionPane.INFORMATION\_MESSAGE);  
 77 this.dispose();  
 78   
 79 } catch (NumberFormatException nfe) {  
 80 JOptionPane.showMessageDialog(this, "Ingresa solamente numeros enteros donde corresponda",   
 81 "CARACTER INVALIDO", JOptionPane.ERROR\_MESSAGE);  
 82 }  
 83 catch(RuntimeException e){  
 84 JOptionPane.showMessageDialog(this, "Situacion anomala en tiempo de ejecuciÃ³n, vuelve a intentarlo",   
 85 "SITUACION ANOMALA", JOptionPane.ERROR\_MESSAGE);  
 86 }  
 87 }  
 88   
 89 @SuppressWarnings("unchecked")  
 90 // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents  
 91 private void initComponents() {  
 92   
 93 jLabel1 = new javax.swing.JLabel();  
 94 jLabel2 = new javax.swing.JLabel();  
 95 jLabel3 = new javax.swing.JLabel();  
 96 jLabel4 = new javax.swing.JLabel();  
 97 jLabel5 = new javax.swing.JLabel();  
 98 jLabel6 = new javax.swing.JLabel();  
 99 txtClave = new javax.swing.JTextField();  
100 txtNombre = new javax.swing.JTextField();  
101 txtTitulo = new javax.swing.JTextField();  
102 txtDepartamento = new javax.swing.JTextField();  
103 txtHoras = new javax.swing.JTextField();  
104 btnBuscar = new javax.swing.JButton();  
105 btnModificar = new javax.swing.JButton();  
106 btnVolver = new javax.swing.JButton();  
107 fondo = new javax.swing.JLabel();  
108   
109 setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);  
110 setTitle("MODIFICACIONES");  
111 setPreferredSize(new java.awt.Dimension(400, 350));  
112 setResizable(false);  
113 addWindowListener(new java.awt.event.WindowAdapter() {  
114 public void windowClosed(java.awt.event.WindowEvent evt) {  
115 formWindowClosed(evt);  
116 }  
117 public void windowOpened(java.awt.event.WindowEvent evt) {  
118 formWindowOpened(evt);  
119 }  
120 });  
121 getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());  
122   
123 jLabel1.setFont(new java.awt.Font("Century Gothic", 2, 20)); // NOI18N  
124 jLabel1.setText("MODIFICACION");  
125 getContentPane().add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(140, 50, -1, -1));  
126   
127 jLabel2.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
128 jLabel2.setText("Clave:");  
129 getContentPane().add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 100, -1, -1));  
130   
131 jLabel3.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
132 jLabel3.setText("Nombre:");  
133 getContentPane().add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 130, -1, -1));  
134   
135 jLabel4.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
136 jLabel4.setText("Titulo:");  
137 getContentPane().add(jLabel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 160, -1, -1));  
138   
139 jLabel5.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
140 jLabel5.setText("Departamento:");  
141 getContentPane().add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 190, -1, -1));  
142   
143 jLabel6.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
144 jLabel6.setText("Horas:");  
145 getContentPane().add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 220, -1, -1));  
146   
147 txtClave.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
148 txtClave.setOpaque(false);  
149 txtClave.addKeyListener(new java.awt.event.KeyAdapter() {  
150 public void keyPressed(java.awt.event.KeyEvent evt) {  
151 txtClaveKeyPressed(evt);  
152 }  
153 });  
154 getContentPane().add(txtClave, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 100, 122, -1));  
155   
156 txtNombre.setEditable(false);  
157 txtNombre.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
158 txtNombre.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));  
159 txtNombre.setOpaque(false);  
160 getContentPane().add(txtNombre, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 130, 250, -1));  
161   
162 txtTitulo.setEditable(false);  
163 txtTitulo.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
164 txtTitulo.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));  
165 txtTitulo.setOpaque(false);  
166 getContentPane().add(txtTitulo, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 160, 250, -1));  
167   
168 txtDepartamento.setEditable(false);  
169 txtDepartamento.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
170 txtDepartamento.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));  
171 txtDepartamento.setOpaque(false);  
172 getContentPane().add(txtDepartamento, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 190, 250, -1));  
173   
174 txtHoras.setEditable(false);  
175 txtHoras.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
176 txtHoras.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));  
177 txtHoras.setOpaque(false);  
178 txtHoras.addKeyListener(new java.awt.event.KeyAdapter() {  
179 public void keyPressed(java.awt.event.KeyEvent evt) {  
180 txtHorasKeyPressed(evt);  
181 }  
182 });  
183 getContentPane().add(txtHoras, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 220, 250, -1));  
184   
185 btnBuscar.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/bscr.png"))); // NOI18N  
186 btnBuscar.setText(" ");  
187 btnBuscar.setToolTipText("BUSCAR");  
188 btnBuscar.setBorderPainted(false);  
189 btnBuscar.setContentAreaFilled(false);  
190 btnBuscar.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
191 btnBuscar.setDefaultCapable(false);  
192 btnBuscar.setFocusPainted(false);  
193 btnBuscar.addActionListener(new java.awt.event.ActionListener() {  
194 public void actionPerformed(java.awt.event.ActionEvent evt) {  
195 btnBuscarActionPerformed(evt);  
196 }  
197 });  
198 getContentPane().add(btnBuscar, new org.netbeans.lib.awtextra.AbsoluteConstraints(250, 80, -1, -1));  
199   
200 btnModificar.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/acp.png"))); // NOI18N  
201 btnModificar.setText(" ");  
202 btnModificar.setToolTipText("MODIFICAR");  
203 btnModificar.setBorderPainted(false);  
204 btnModificar.setContentAreaFilled(false);  
205 btnModificar.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
206 btnModificar.setDefaultCapable(false);  
207 btnModificar.setEnabled(false);  
208 btnModificar.setFocusPainted(false);  
209 btnModificar.addActionListener(new java.awt.event.ActionListener() {  
210 public void actionPerformed(java.awt.event.ActionEvent evt) {  
211 btnModificarActionPerformed(evt);  
212 }  
213 });  
214 getContentPane().add(btnModificar, new org.netbeans.lib.awtextra.AbsoluteConstraints(140, 240, 191, -1));  
215   
216 btnVolver.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/vlvr.jpg"))); // NOI18N  
217 btnVolver.setText(" ");  
218 btnVolver.setToolTipText("VOLVER");  
219 btnVolver.setBorderPainted(false);  
220 btnVolver.setContentAreaFilled(false);  
221 btnVolver.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
222 btnVolver.setDefaultCapable(false);  
223 btnVolver.setFocusPainted(false);  
224 btnVolver.setFocusable(false);  
225 btnVolver.addActionListener(new java.awt.event.ActionListener() {  
226 public void actionPerformed(java.awt.event.ActionEvent evt) {  
227 btnVolverActionPerformed(evt);  
228 }  
229 });  
230 getContentPane().add(btnVolver, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 20, -1, -1));  
231   
232 fondo.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/fondo2.jpg"))); // NOI18N  
233 fondo.setText(" ");  
234 getContentPane().add(fondo, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, -540, -1, -1));  
235   
236 pack();  
237 setLocationRelativeTo(null);  
238 }// </editor-fold>//GEN-END:initComponents  
239   
240 private void btnBuscarActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_btnBuscarActionPerformed  
241 accionBuscar();  
242 }//GEN-LAST:event\_btnBuscarActionPerformed  
243   
244 private void btnModificarActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_btnModificarActionPerformed  
245 accionModificar();  
246 }//GEN-LAST:event\_btnModificarActionPerformed  
247   
248 private void formWindowClosed(java.awt.event.WindowEvent evt) {//GEN-FIRST:event\_formWindowClosed  
249 this.dispose();  
250 }//GEN-LAST:event\_formWindowClosed  
251   
252 private void txtClaveKeyPressed(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_txtClaveKeyPressed  
253 if(evt.getKeyCode() == KeyEvent.VK\_ENTER)  
254 accionBuscar();  
255 }//GEN-LAST:event\_txtClaveKeyPressed  
256   
257 private void txtHorasKeyPressed(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_txtHorasKeyPressed  
258 if(evt.getKeyCode() == KeyEvent.VK\_ENTER)  
259 accionModificar();  
260 }//GEN-LAST:event\_txtHorasKeyPressed  
261   
262 private void btnVolverActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_btnVolverActionPerformed  
263 this.dispose();  
264 }//GEN-LAST:event\_btnVolverActionPerformed  
265   
266 private void formWindowOpened(java.awt.event.WindowEvent evt) {//GEN-FIRST:event\_formWindowOpened  
267 txtClave.requestFocus();  
268 }//GEN-LAST:event\_formWindowOpened  
269   
270 // Variables declaration - do not modify//GEN-BEGIN:variables  
271 private javax.swing.JButton btnBuscar;  
272 private javax.swing.JButton btnModificar;  
273 private javax.swing.JButton btnVolver;  
274 private javax.swing.JLabel fondo;  
275 private javax.swing.JLabel jLabel1;  
276 private javax.swing.JLabel jLabel2;  
277 private javax.swing.JLabel jLabel3;  
278 private javax.swing.JLabel jLabel4;  
279 private javax.swing.JLabel jLabel5;  
280 private javax.swing.JLabel jLabel6;  
281 private javax.swing.JTextField txtClave;  
282 private javax.swing.JTextField txtDepartamento;  
283 private javax.swing.JTextField txtHoras;  
284 private javax.swing.JTextField txtNombre;  
285 private javax.swing.JTextField txtTitulo;  
286 // End of variables declaration//GEN-END:variables  
287 }  
288

**Clase FrmBajas**

1 package src;  
 2   
 3 import java.awt.event.KeyEvent;  
 4 import javax.swing.\*;  
 5   
 6 public class FrmBajas extends javax.swing.JDialog {  
 7 Profesor p;  
 8   
 9 public FrmBajas(java.awt.Frame parent, boolean modal) {  
 10 super(parent, modal);  
 11 initComponents();  
 12 setIconImage(new ImageIcon(getClass().getResource("/imagenes/logoITCG.png")).getImage());  
 13 }  
 14   
 15 public void accionBuscar(){  
 16 try{  
 17 int clave, celda;  
 18 clave = Integer.parseInt(txtClave.getText());  
 19 if(clave > 0 && clave < 66){  
 20 celda = Principal.ap.getCelda(clave);  
 21 if(celda != -1){  
 22 p = Principal.ap.getProfesor(celda);  
 23 txtClave.setEditable(false);  
 24 btnBuscar.setEnabled(false);  
 25 txtNombre.setText(p.getNombre());  
 26 txtTitulo.setText(p.getTitulo());  
 27 txtDepartamento.setText(p.getDepartamento());  
 28 txtHoras.setText(Integer.toString(p.getHoras()));  
 29 btnEliminar.setEnabled(true);  
 30 btnEliminar.requestFocus();  
 31 }  
 32 else{  
 33 JOptionPane.showMessageDialog(this, "Clave inexistente",  
 34 "INEXISTENTE", JOptionPane.INFORMATION\_MESSAGE);  
 35 this.dispose();  
 36 }  
 37 }  
 38 else{  
 39 JOptionPane.showMessageDialog(this, "Ingrese una clave de 1 a 65",   
 40 "CLAVE FUERA DE RANGO", JOptionPane.ERROR\_MESSAGE);  
 41 }  
 42 }catch(NumberFormatException nfe){  
 43 JOptionPane.showMessageDialog(this, "Ingresa solamente numeros enteros ",   
 44 "CARACTER INVALIDO", JOptionPane.ERROR\_MESSAGE);   
 45 }catch(RuntimeException e){  
 46 JOptionPane.showMessageDialog(this, "Situacion anomala en tiempo de ejecuciÃ³n, vuelve a intentarlo",   
 47 "SITUACION ANOMALA", JOptionPane.ERROR\_MESSAGE);  
 48 }  
 49 }  
 50   
 51 public void accionEliminar(){  
 52 int respuesta = JOptionPane.showConfirmDialog(this, "Esta seguro de eliminarlo",   
 53 "Confirmando eliminacion",   
 54 JOptionPane.YES\_NO\_OPTION,   
 55 JOptionPane.QUESTION\_MESSAGE,  
 56 null);  
 57 if(respuesta == JOptionPane.YES\_OPTION){  
 58 Principal.ap.eliminar(p);  
 59 JOptionPane.showMessageDialog(this, "El profesor a sido eliminado satisfactoriamente",   
 60 "ELIMINACION EXITOSA", JOptionPane.ERROR\_MESSAGE);  
 61 }else{  
 62 JOptionPane.showMessageDialog(this, "No se ha realizado la eliminaciÃ³n",   
 63 "ELIMINACION CANCELADA", JOptionPane.ERROR\_MESSAGE);  
 64 }  
 65   
 66 this.dispose();  
 67 }  
 68   
 69 @SuppressWarnings("unchecked")  
 70 // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents  
 71 private void initComponents() {  
 72   
 73 jLabel1 = new javax.swing.JLabel();  
 74 jLabel2 = new javax.swing.JLabel();  
 75 jLabel3 = new javax.swing.JLabel();  
 76 jLabel4 = new javax.swing.JLabel();  
 77 jLabel5 = new javax.swing.JLabel();  
 78 jLabel6 = new javax.swing.JLabel();  
 79 txtClave = new javax.swing.JTextField();  
 80 txtNombre = new javax.swing.JTextField();  
 81 txtTitulo = new javax.swing.JTextField();  
 82 txtDepartamento = new javax.swing.JTextField();  
 83 txtHoras = new javax.swing.JTextField();  
 84 btnBuscar = new javax.swing.JButton();  
 85 btnEliminar = new javax.swing.JButton();  
 86 btnVolver = new javax.swing.JButton();  
 87 fondo = new javax.swing.JLabel();  
 88   
 89 setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);  
 90 setTitle("BAJAS");  
 91 setPreferredSize(new java.awt.Dimension(400, 350));  
 92 setResizable(false);  
 93 addWindowListener(new java.awt.event.WindowAdapter() {  
 94 public void windowClosed(java.awt.event.WindowEvent evt) {  
 95 formWindowClosed(evt);  
 96 }  
 97 public void windowOpened(java.awt.event.WindowEvent evt) {  
 98 formWindowOpened(evt);  
 99 }  
100 });  
101 getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());  
102   
103 jLabel1.setFont(new java.awt.Font("Century Gothic", 2, 20)); // NOI18N  
104 jLabel1.setText("BAJAS");  
105 getContentPane().add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(180, 30, -1, -1));  
106   
107 jLabel2.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
108 jLabel2.setText("Clave:");  
109 getContentPane().add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 90, -1, -1));  
110   
111 jLabel3.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
112 jLabel3.setText("Nombre:");  
113 getContentPane().add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 120, -1, -1));  
114   
115 jLabel4.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
116 jLabel4.setText("Titulo:");  
117 getContentPane().add(jLabel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 150, -1, -1));  
118   
119 jLabel5.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
120 jLabel5.setText("Departamento:");  
121 getContentPane().add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 180, -1, -1));  
122   
123 jLabel6.setFont(new java.awt.Font("Century Gothic", 1, 11)); // NOI18N  
124 jLabel6.setText("Horas:");  
125 getContentPane().add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 210, -1, -1));  
126   
127 txtClave.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
128 txtClave.setOpaque(false);  
129 txtClave.addKeyListener(new java.awt.event.KeyAdapter() {  
130 public void keyPressed(java.awt.event.KeyEvent evt) {  
131 txtClaveKeyPressed(evt);  
132 }  
133 });  
134 getContentPane().add(txtClave, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 90, 130, -1));  
135   
136 txtNombre.setEditable(false);  
137 txtNombre.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
138 txtNombre.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));  
139 txtNombre.setOpaque(false);  
140 getContentPane().add(txtNombre, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 120, 250, -1));  
141   
142 txtTitulo.setEditable(false);  
143 txtTitulo.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
144 txtTitulo.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));  
145 txtTitulo.setOpaque(false);  
146 getContentPane().add(txtTitulo, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 150, 250, -1));  
147   
148 txtDepartamento.setEditable(false);  
149 txtDepartamento.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
150 txtDepartamento.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));  
151 txtDepartamento.setOpaque(false);  
152 getContentPane().add(txtDepartamento, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 180, 250, -1));  
153   
154 txtHoras.setEditable(false);  
155 txtHoras.setFont(new java.awt.Font("Century Gothic", 0, 11)); // NOI18N  
156 txtHoras.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));  
157 txtHoras.setOpaque(false);  
158 getContentPane().add(txtHoras, new org.netbeans.lib.awtextra.AbsoluteConstraints(120, 210, 250, -1));  
159   
160 btnBuscar.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/bscr.png"))); // NOI18N  
161 btnBuscar.setText(" ");  
162 btnBuscar.setToolTipText("BUSCAR");  
163 btnBuscar.setBorderPainted(false);  
164 btnBuscar.setContentAreaFilled(false);  
165 btnBuscar.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
166 btnBuscar.setDefaultCapable(false);  
167 btnBuscar.setFocusPainted(false);  
168 btnBuscar.addActionListener(new java.awt.event.ActionListener() {  
169 public void actionPerformed(java.awt.event.ActionEvent evt) {  
170 btnBuscarActionPerformed(evt);  
171 }  
172 });  
173 getContentPane().add(btnBuscar, new org.netbeans.lib.awtextra.AbsoluteConstraints(260, 70, -1, -1));  
174   
175 btnEliminar.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/elmr.png"))); // NOI18N  
176 btnEliminar.setText(" ");  
177 btnEliminar.setToolTipText("ELIMINAR");  
178 btnEliminar.setBorderPainted(false);  
179 btnEliminar.setContentAreaFilled(false);  
180 btnEliminar.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
181 btnEliminar.setDefaultCapable(false);  
182 btnEliminar.setEnabled(false);  
183 btnEliminar.setFocusPainted(false);  
184 btnEliminar.addActionListener(new java.awt.event.ActionListener() {  
185 public void actionPerformed(java.awt.event.ActionEvent evt) {  
186 btnEliminarActionPerformed(evt);  
187 }  
188 });  
189 btnEliminar.addKeyListener(new java.awt.event.KeyAdapter() {  
190 public void keyPressed(java.awt.event.KeyEvent evt) {  
191 btnEliminarKeyPressed(evt);  
192 }  
193 });  
194 getContentPane().add(btnEliminar, new org.netbeans.lib.awtextra.AbsoluteConstraints(140, 230, 190, -1));  
195   
196 btnVolver.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/vlvr.jpg"))); // NOI18N  
197 btnVolver.setText(" ");  
198 btnVolver.setToolTipText("VOLVER");  
199 btnVolver.setBorderPainted(false);  
200 btnVolver.setContentAreaFilled(false);  
201 btnVolver.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
202 btnVolver.setDefaultCapable(false);  
203 btnVolver.setFocusPainted(false);  
204 btnVolver.setFocusable(false);  
205 btnVolver.addActionListener(new java.awt.event.ActionListener() {  
206 public void actionPerformed(java.awt.event.ActionEvent evt) {  
207 btnVolverActionPerformed(evt);  
208 }  
209 });  
210 getContentPane().add(btnVolver, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 20, -1, -1));  
211   
212 fondo.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/fondo2.jpg"))); // NOI18N  
213 fondo.setText(" ");  
214 getContentPane().add(fondo, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, -540, -1, -1));  
215   
216 pack();  
217 setLocationRelativeTo(null);  
218 }// </editor-fold>//GEN-END:initComponents  
219   
220 private void btnBuscarActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_btnBuscarActionPerformed  
221 accionBuscar();  
222 }//GEN-LAST:event\_btnBuscarActionPerformed  
223   
224 private void btnEliminarActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_btnEliminarActionPerformed  
225 accionEliminar();  
226 }//GEN-LAST:event\_btnEliminarActionPerformed  
227   
228 private void formWindowClosed(java.awt.event.WindowEvent evt) {//GEN-FIRST:event\_formWindowClosed  
229 this.dispose();  
230 }//GEN-LAST:event\_formWindowClosed  
231   
232 private void txtClaveKeyPressed(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_txtClaveKeyPressed  
233 if(evt.getKeyCode() == KeyEvent.VK\_ENTER)  
234 accionBuscar();  
235 }//GEN-LAST:event\_txtClaveKeyPressed  
236   
237 private void btnEliminarKeyPressed(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_btnEliminarKeyPressed  
238 if(evt.getKeyCode() == KeyEvent.VK\_ENTER)  
239 accionEliminar();  
240 }//GEN-LAST:event\_btnEliminarKeyPressed  
241   
242 private void btnVolverActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_btnVolverActionPerformed  
243 this.dispose();  
244 }//GEN-LAST:event\_btnVolverActionPerformed  
245   
246 private void formWindowOpened(java.awt.event.WindowEvent evt) {//GEN-FIRST:event\_formWindowOpened  
247 txtClave.requestFocus();  
248 }//GEN-LAST:event\_formWindowOpened  
249   
250 // Variables declaration - do not modify//GEN-BEGIN:variables  
251 private javax.swing.JButton btnBuscar;  
252 private javax.swing.JButton btnEliminar;  
253 private javax.swing.JButton btnVolver;  
254 private javax.swing.JLabel fondo;  
255 private javax.swing.JLabel jLabel1;  
256 private javax.swing.JLabel jLabel2;  
257 private javax.swing.JLabel jLabel3;  
258 private javax.swing.JLabel jLabel4;  
259 private javax.swing.JLabel jLabel5;  
260 private javax.swing.JLabel jLabel6;  
261 private javax.swing.JTextField txtClave;  
262 private javax.swing.JTextField txtDepartamento;  
263 private javax.swing.JTextField txtHoras;  
264 private javax.swing.JTextField txtNombre;  
265 private javax.swing.JTextField txtTitulo;  
266 // End of variables declaration//GEN-END:variables  
267 }  
268

**Clase FrmAcercaDe**

1 package src;  
 2 import javax.swing.JOptionPane;  
 3 public class FrmAcercaDe extends javax.swing.JDialog {  
 4 Profesor p;  
 5 public FrmAcercaDe(java.awt.Frame parent, boolean modal) {  
 6 super(parent, modal);  
 7 initComponents();  
 8 b0a.setVisible(false);  
 9 b1a.setVisible(false);  
 10 b2a.setVisible(false);  
 11 b3a.setVisible(false);  
 12 b4a.setVisible(false);  
 13 br1.setVisible(false);  
 14 }  
 15 @SuppressWarnings("unchecked")  
 16 // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents  
 17 private void initComponents() {  
 18   
 19 b0a = new javax.swing.JButton();  
 20 b1a = new javax.swing.JButton();  
 21 b3 = new javax.swing.JButton();  
 22 b4 = new javax.swing.JButton();  
 23 b0 = new javax.swing.JButton();  
 24 b2 = new javax.swing.JButton();  
 25 b4a = new javax.swing.JButton();  
 26 b2a = new javax.swing.JButton();  
 27 b3a = new javax.swing.JButton();  
 28 b1 = new javax.swing.JButton();  
 29 jLabel1 = new javax.swing.JLabel();  
 30 jLabel2 = new javax.swing.JLabel();  
 31 jButton1 = new javax.swing.JButton();  
 32 br1 = new javax.swing.JLabel();  
 33 br = new javax.swing.JLabel();  
 34   
 35 setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);  
 36 setTitle("ACERCA DE");  
 37 setMinimumSize(new java.awt.Dimension(400, 350));  
 38 setModal(true);  
 39 setPreferredSize(new java.awt.Dimension(350, 450));  
 40 setResizable(false);  
 41 addWindowListener(new java.awt.event.WindowAdapter() {  
 42 public void windowClosed(java.awt.event.WindowEvent evt) {  
 43 formWindowClosed(evt);  
 44 }  
 45 });  
 46 getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());  
 47   
 48 b0a.setFont(new java.awt.Font("Century Gothic", 2, 12)); // NOI18N  
 49 b0a.setForeground(new java.awt.Color(51, 51, 51));  
 50 b0a.setText("El TEC o ITCG ");  
 51 b0a.setBorderPainted(false);  
 52 b0a.setContentAreaFilled(false);  
 53 b0a.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
 54 b0a.setDefaultCapable(false);  
 55 b0a.setFocusPainted(false);  
 56 b0a.setFocusable(false);  
 57 b0a.addActionListener(new java.awt.event.ActionListener() {  
 58 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 59 b0aActionPerformed(evt);  
 60 }  
 61 });  
 62 getContentPane().add(b0a, new org.netbeans.lib.awtextra.AbsoluteConstraints(130, 70, -1, -1));  
 63   
 64 b1a.setFont(new java.awt.Font("Century Gothic", 2, 10)); // NOI18N  
 65 b1a.setForeground(new java.awt.Color(51, 51, 51));  
 66 b1a.setText("Profe Chema");  
 67 b1a.setBorderPainted(false);  
 68 b1a.setContentAreaFilled(false);  
 69 b1a.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
 70 b1a.setDefaultCapable(false);  
 71 b1a.setFocusPainted(false);  
 72 b1a.setFocusable(false);  
 73 b1a.addActionListener(new java.awt.event.ActionListener() {  
 74 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 75 b1aActionPerformed(evt);  
 76 }  
 77 });  
 78 getContentPane().add(b1a, new org.netbeans.lib.awtextra.AbsoluteConstraints(130, 160, 100, 20));  
 79   
 80 b3.setFont(new java.awt.Font("Century Gothic", 0, 15)); // NOI18N  
 81 b3.setForeground(new java.awt.Color(51, 51, 51));  
 82 b3.setText("Alvaro Rosales Damian");  
 83 b3.setBorderPainted(false);  
 84 b3.setContentAreaFilled(false);  
 85 b3.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
 86 b3.setDefaultCapable(false);  
 87 b3.setFocusPainted(false);  
 88 b3.setFocusable(false);  
 89 b3.addActionListener(new java.awt.event.ActionListener() {  
 90 public void actionPerformed(java.awt.event.ActionEvent evt) {  
 91 b3ActionPerformed(evt);  
 92 }  
 93 });  
 94 getContentPane().add(b3, new org.netbeans.lib.awtextra.AbsoluteConstraints(90, 260, -1, -1));  
 95   
 96 b4.setFont(new java.awt.Font("Century Gothic", 0, 15)); // NOI18N  
 97 b4.setForeground(new java.awt.Color(51, 51, 51));  
 98 b4.setText("Jose Manuel Gomez Diaz");  
 99 b4.setBorderPainted(false);  
100 b4.setContentAreaFilled(false);  
101 b4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
102 b4.setDefaultCapable(false);  
103 b4.setFocusPainted(false);  
104 b4.setFocusable(false);  
105 b4.addActionListener(new java.awt.event.ActionListener() {  
106 public void actionPerformed(java.awt.event.ActionEvent evt) {  
107 b4ActionPerformed(evt);  
108 }  
109 });  
110 getContentPane().add(b4, new org.netbeans.lib.awtextra.AbsoluteConstraints(80, 310, -1, 20));  
111   
112 b0.setFont(new java.awt.Font("Century Gothic", 1, 15)); // NOI18N  
113 b0.setForeground(new java.awt.Color(255, 255, 255));  
114 b0.setText("Instituto Tecnologico de Ciudad Guzman");  
115 b0.setBorderPainted(false);  
116 b0.setContentAreaFilled(false);  
117 b0.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
118 b0.setDefaultCapable(false);  
119 b0.setFocusPainted(false);  
120 b0.setFocusable(false);  
121 b0.addActionListener(new java.awt.event.ActionListener() {  
122 public void actionPerformed(java.awt.event.ActionEvent evt) {  
123 b0ActionPerformed(evt);  
124 }  
125 });  
126 getContentPane().add(b0, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 40, -1, -1));  
127   
128 b2.setFont(new java.awt.Font("Century Gothic", 0, 15)); // NOI18N  
129 b2.setForeground(new java.awt.Color(51, 51, 51));  
130 b2.setText("Juan Pablo Solis Guzman");  
131 b2.setBorderPainted(false);  
132 b2.setContentAreaFilled(false);  
133 b2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
134 b2.setDefaultCapable(false);  
135 b2.setFocusPainted(false);  
136 b2.setFocusable(false);  
137 b2.addActionListener(new java.awt.event.ActionListener() {  
138 public void actionPerformed(java.awt.event.ActionEvent evt) {  
139 b2ActionPerformed(evt);  
140 }  
141 });  
142 getContentPane().add(b2, new org.netbeans.lib.awtextra.AbsoluteConstraints(80, 220, -1, 20));  
143   
144 b4a.setFont(new java.awt.Font("Century Gothic", 2, 10)); // NOI18N  
145 b4a.setForeground(new java.awt.Color(51, 51, 51));  
146 b4a.setText("Gomez");  
147 b4a.setBorderPainted(false);  
148 b4a.setContentAreaFilled(false);  
149 b4a.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
150 b4a.setDefaultCapable(false);  
151 b4a.setFocusPainted(false);  
152 b4a.setFocusable(false);  
153 b4a.addActionListener(new java.awt.event.ActionListener() {  
154 public void actionPerformed(java.awt.event.ActionEvent evt) {  
155 b4aActionPerformed(evt);  
156 }  
157 });  
158 getContentPane().add(b4a, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 340, -1, 10));  
159   
160 b2a.setFont(new java.awt.Font("Century Gothic", 2, 10)); // NOI18N  
161 b2a.setForeground(new java.awt.Color(51, 51, 51));  
162 b2a.setText("Jan Pol");  
163 b2a.setBorderPainted(false);  
164 b2a.setContentAreaFilled(false);  
165 b2a.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
166 b2a.setDefaultCapable(false);  
167 b2a.setFocusPainted(false);  
168 b2a.setFocusable(false);  
169 b2a.addActionListener(new java.awt.event.ActionListener() {  
170 public void actionPerformed(java.awt.event.ActionEvent evt) {  
171 b2aActionPerformed(evt);  
172 }  
173 });  
174 getContentPane().add(b2a, new org.netbeans.lib.awtextra.AbsoluteConstraints(160, 250, -1, 10));  
175   
176 b3a.setFont(new java.awt.Font("Century Gothic", 2, 10)); // NOI18N  
177 b3a.setForeground(new java.awt.Color(51, 51, 51));  
178 b3a.setText("Grillo");  
179 b3a.setBorderPainted(false);  
180 b3a.setContentAreaFilled(false);  
181 b3a.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
182 b3a.setDefaultCapable(false);  
183 b3a.setFocusPainted(false);  
184 b3a.setFocusable(false);  
185 b3a.addActionListener(new java.awt.event.ActionListener() {  
186 public void actionPerformed(java.awt.event.ActionEvent evt) {  
187 b3aActionPerformed(evt);  
188 }  
189 });  
190 getContentPane().add(b3a, new org.netbeans.lib.awtextra.AbsoluteConstraints(170, 290, -1, 10));  
191   
192 b1.setFont(new java.awt.Font("Century Gothic", 0, 15)); // NOI18N  
193 b1.setForeground(new java.awt.Color(51, 51, 51));  
194 b1.setText("Prof: Jose Maria Amezcua Castrejon");  
195 b1.setBorderPainted(false);  
196 b1.setContentAreaFilled(false);  
197 b1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
198 b1.setDefaultCapable(false);  
199 b1.setFocusPainted(false);  
200 b1.setFocusable(false);  
201 b1.addActionListener(new java.awt.event.ActionListener() {  
202 public void actionPerformed(java.awt.event.ActionEvent evt) {  
203 b1ActionPerformed(evt);  
204 }  
205 });  
206 getContentPane().add(b1, new org.netbeans.lib.awtextra.AbsoluteConstraints(30, 130, -1, -1));  
207   
208 jLabel1.setFont(new java.awt.Font("Century Gothic", 3, 14)); // NOI18N  
209 jLabel1.setText("UNIDAD 5 y 6 Excepciones y Archivo");  
210 getContentPane().add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(60, 100, -1, -1));  
211   
212 jLabel2.setFont(new java.awt.Font("Century Gothic", 3, 14)); // NOI18N  
213 jLabel2.setText("Programadores");  
214 getContentPane().add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(130, 200, -1, -1));  
215   
216 jButton1.setFont(new java.awt.Font("Century Gothic", 2, 9)); // NOI18N  
217 jButton1.setText(" Registro de Profesores Tecnologico de Zapotlan, All Rigths Reserved, v 3.0.0, 2019 ");  
218 jButton1.setBorderPainted(false);  
219 jButton1.setContentAreaFilled(false);  
220 jButton1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));  
221 jButton1.setDefaultCapable(false);  
222 jButton1.setFocusPainted(false);  
223 jButton1.setFocusable(false);  
224 jButton1.addActionListener(new java.awt.event.ActionListener() {  
225 public void actionPerformed(java.awt.event.ActionEvent evt) {  
226 jButton1ActionPerformed(evt);  
227 }  
228 });  
229 getContentPane().add(jButton1, new org.netbeans.lib.awtextra.AbsoluteConstraints(-10, 360, -1, -1));  
230   
231 br1.setFont(new java.awt.Font("Comic Sans MS", 0, 9)); // NOI18N  
232 br1.setText("Y si eh, estamos patentando esta cosa ;y");  
233 br1.setCursor(new java.awt.Cursor(java.awt.Cursor.WAIT\_CURSOR));  
234 getContentPane().add(br1, new org.netbeans.lib.awtextra.AbsoluteConstraints(100, 390, -1, -1));  
235   
236 br.setIcon(new javax.swing.ImageIcon(getClass().getResource("/imagenes/fondo3.jpg"))); // NOI18N  
237 br.setText(" ");  
238 br.setMaximumSize(new java.awt.Dimension(400, 350));  
239 br.setMinimumSize(new java.awt.Dimension(400, 350));  
240 br.setPreferredSize(new java.awt.Dimension(400, 350));  
241 getContentPane().add(br, new org.netbeans.lib.awtextra.AbsoluteConstraints(-130, -30, 540, 680));  
242 br.getAccessibleContext().setAccessibleDescription("");  
243   
244 pack();  
245 setLocationRelativeTo(null);  
246 }// </editor-fold>//GEN-END:initComponents  
247   
248 private void b0aActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_b0aActionPerformed  
249 b0a.setVisible(false);  
250 }//GEN-LAST:event\_b0aActionPerformed  
251   
252 private void b1aActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_b1aActionPerformed  
253 b1a.setVisible(false);  
254 }//GEN-LAST:event\_b1aActionPerformed  
255   
256 private void b2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_b2ActionPerformed  
257 b2a.setVisible(true);  
258 }//GEN-LAST:event\_b2ActionPerformed  
259   
260 private void b2aActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_b2aActionPerformed  
261 b2a.setVisible(false);  
262 }//GEN-LAST:event\_b2aActionPerformed  
263   
264 private void b3ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_b3ActionPerformed  
265 b3a.setVisible(true);  
266 }//GEN-LAST:event\_b3ActionPerformed  
267   
268 private void b3aActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_b3aActionPerformed  
269 b3a.setVisible(false);  
270 }//GEN-LAST:event\_b3aActionPerformed  
271   
272 private void b4ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_b4ActionPerformed  
273 b4a.setVisible(true);  
274 }//GEN-LAST:event\_b4ActionPerformed  
275   
276 private void b4aActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_b4aActionPerformed  
277 b4a.setVisible(false);  
278 }//GEN-LAST:event\_b4aActionPerformed  
279   
280 private void b1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_b1ActionPerformed  
281 b1a.setVisible(true);  
282 }//GEN-LAST:event\_b1ActionPerformed  
283   
284 private void b0ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_b0ActionPerformed  
285 b0a.setVisible(true);  
286 }//GEN-LAST:event\_b0ActionPerformed  
287   
288 private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed  
289 br1.setVisible(true);  
290 }//GEN-LAST:event\_jButton1ActionPerformed  
291   
292 private void formWindowClosed(java.awt.event.WindowEvent evt) {//GEN-FIRST:event\_formWindowClosed  
293 this.dispose();  
294 }//GEN-LAST:event\_formWindowClosed  
295   
296 // Variables declaration - do not modify//GEN-BEGIN:variables  
297 private javax.swing.JButton b0;  
298 private javax.swing.JButton b0a;  
299 private javax.swing.JButton b1;  
300 private javax.swing.JButton b1a;  
301 private javax.swing.JButton b2;  
302 private javax.swing.JButton b2a;  
303 private javax.swing.JButton b3;  
304 private javax.swing.JButton b3a;  
305 private javax.swing.JButton b4;  
306 private javax.swing.JButton b4a;  
307 private javax.swing.JLabel br;  
308 private javax.swing.JLabel br1;  
309 private javax.swing.JButton jButton1;  
310 private javax.swing.JLabel jLabel1;  
311 private javax.swing.JLabel jLabel2;  
312 // End of variables declaration//GEN-END:variables  
313 }  
314