|  |
| --- |
| G:\Hotel\src\hotel\TamuJFrame.java |

1 /\*

2 \* To change this template, choose Tools | Templates

3 \* and open the template in the editor.

4 \*/

5

6 /\*

7 \* TamuJFrame.java

8 \*

9 \* Created on Jul 9, 2011, 8:46:47 AM

10 \*/

11

12 package hotel;

13

14

15

16

17 /\*\*

18 \*

19 \* @author Indra Ginanjar

20 \*/

21 public class TamuJFrame extends javax.swing.JFrame {

22 java.sql.Statement stmt;

23 java.sql.ResultSet tamuResultSet;

24 String columnNames[] = new String[]{"NO. ID", "TAMU", "KAMAR"};

25

26 /\*\* Creates new form TamuJFrame \*/

27 public TamuJFrame() {

28 initComponents();

29 try{

30 java.sql.Connection conn = java.sql.DriverManager.getConnection(

31 "jdbc:mysql://localhost/dbakademik", "root", null);

32 this.stmt = conn.createStatement(

33 java.sql.ResultSet.TYPE\_SCROLL\_SENSITIVE,

34 java.sql.ResultSet.CONCUR\_UPDATABLE

35 );

36 }catch(java.sql.SQLException e){

37 System.out.println(e.getMessage());

38 }

39 this.refreshResultSet();

40 this.refreshTable();

41 this.tamuTableMouseClicked(null);

42

43 this.idTextField.setEditable(false);

44 this.tamuTextField.setEditable(false);

45 this.kamarTextField.setEditable(false);

46

47 }

48

49 private void refreshResultSet(){

50 try{

51 this.tamuResultSet = this.stmt.executeQuery(

52 "SELECT idtamu, namatamu, kamar FROM tamu");

53 }catch(java.sql.SQLException e){

54 System.out.println(e.getMessage());

55 }

56

57 }

58

59 private void refreshTable(){

60 try{

61 this.tamuResultSet.afterLast();

62 int rowCount = 0;

63 if(this.tamuResultSet.previous()){

64 rowCount = this.tamuResultSet.getRow();

65 }

66 String rowData[][] = new String[rowCount][3];

67 this.tamuResultSet.beforeFirst();

68 int rowNum = 0;

69 while(this.tamuResultSet.next()){

70 rowData[rowNum][0] = this.tamuResultSet.getString(1);

71 rowData[rowNum][1] = this.tamuResultSet.getString(2);

72 rowData[rowNum][2] = this.tamuResultSet.getString(3);

73 ++rowNum;

74 }

75 this.tamuScrollPane.getViewport().remove(this.tamuTable);

76 this.tamuTable = null;

77 this.tamuTable = new javax.swing.JTable(rowData, this.columnNames);

78 tamuTable.addMouseListener(new java.awt.event.MouseAdapter() {

79 @Override

80 public void mouseClicked(java.awt.event.MouseEvent evt) {

81 tamuTableMouseClicked(evt);

82 }

83 });

84

85 this.tamuScrollPane.getViewport().add(this.tamuTable);

86 }catch(java.sql.SQLException e){

87 System.out.println(e.getMessage());

88 }

89 }

90

91 /\*\* This method is called from within the constructor to

92 \* initialize the form.

93 \* WARNING: Do NOT modify this code. The content of this method is

94 \* always regenerated by the Form Editor.

95 \*/

96 @SuppressWarnings("unchecked")

97 // <editor-fold defaultstate="collapsed" desc="Generated Code">

98 private void initComponents() {

99

100 tamuScrollPane = new javax.swing.JScrollPane();

101 tamuTable = new javax.swing.JTable();

102 jPanel1 = new javax.swing.JPanel();

103 jLabel1 = new javax.swing.JLabel();

104 idTextField = new javax.swing.JTextField();

105 tamuTextField = new javax.swing.JTextField();

106 jLabel2 = new javax.swing.JLabel();

107 kamarTextField = new javax.swing.JTextField();

108 jLabel3 = new javax.swing.JLabel();

109 editButton = new javax.swing.JButton();

110 cancelButton = new javax.swing.JButton();

111 insertButton = new javax.swing.JButton();

112 deleteButton = new javax.swing.JButton();

113 jLabel4 = new javax.swing.JLabel();

114

115 setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

116

117 tamuTable.setModel(new javax.swing.table.DefaultTableModel(

118 new Object [][] {

119 {null, null, null, null},

120 {null, null, null, null},

121 {null, null, null, null},

122 {null, null, null, null}

123 },

124 new String [] {

125 "Title 1", "Title 2", "Title 3", "Title 4"

126 }

127 ));

128 tamuTable.addMouseListener(new java.awt.event.MouseAdapter() {

129 public void mouseClicked(java.awt.event.MouseEvent evt) {

130 tamuTableMouseClicked(evt);

131 }

132 });

133 tamuScrollPane.setViewportView(tamuTable);

134

135 jLabel1.setText("No. ID");

136

137 jLabel2.setText("Tamu");

138

139 jLabel3.setText("Kamar");

140

141 javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

142 jPanel1.setLayout(jPanel1Layout);

143 jPanel1Layout.setHorizontalGroup(

144 jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

145 .addGroup(jPanel1Layout.createSequentialGroup()

146 .addContainerGap()

147 .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

148 .addComponent(jLabel1)

149 .addComponent(jLabel2)

150 .addComponent(jLabel3))

151 .addGap(18, 18, Short.MAX\_VALUE)

152 .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

153 .addComponent(idTextField)

154 .addComponent(kamarTextField)

155 .addComponent(tamuTextField, javax.swing.GroupLayout.DEFAULT\_SIZE, 124, Short.MAX\_VALUE))

156 .addGap(54, 54, 54))

157 );

158 jPanel1Layout.setVerticalGroup(

159 jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

160 .addGroup(jPanel1Layout.createSequentialGroup()

161 .addGap(21, 21, 21)

162 .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

163 .addComponent(jLabel1)

164 .addComponent(idTextField, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

165 .addGap(7, 7, 7)

166 .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

167 .addComponent(tamuTextField, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

168 .addComponent(jLabel2))

169 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

170 .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

171 .addComponent(jLabel3)

172 .addComponent(kamarTextField, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

173 .addContainerGap(27, Short.MAX\_VALUE))

174 );

175

176 editButton.setText("Edit");

177 editButton.addActionListener(new java.awt.event.ActionListener() {

178 public void actionPerformed(java.awt.event.ActionEvent evt) {

179 editButtonActionPerformed(evt);

180 }

181 });

182

183 cancelButton.setText("Batal");

184 cancelButton.setEnabled(false);

185 cancelButton.addActionListener(new java.awt.event.ActionListener() {

186 public void actionPerformed(java.awt.event.ActionEvent evt) {

187 cancelButtonActionPerformed(evt);

188 }

189 });

190

191 insertButton.setText("Insert");

192 insertButton.addActionListener(new java.awt.event.ActionListener() {

193 public void actionPerformed(java.awt.event.ActionEvent evt) {

194 insertButtonActionPerformed(evt);

195 }

196 });

197

198 deleteButton.setText("Delete");

199 deleteButton.addActionListener(new java.awt.event.ActionListener() {

200 public void actionPerformed(java.awt.event.ActionEvent evt) {

201 deleteButtonActionPerformed(evt);

202 }

203 });

204

205 jLabel4.setText("Indra Ginanjar 101100180");

206

207 javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

208 getContentPane().setLayout(layout);

209 layout.setHorizontalGroup(

210 layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

211 .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

212 .addContainerGap(15, Short.MAX\_VALUE)

213 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

214 .addGroup(layout.createSequentialGroup()

215 .addGap(42, 42, 42)

216 .addComponent(insertButton)

217 .addGap(18, 18, 18)

218 .addComponent(editButton)

219 .addGap(47, 47, 47)

220 .addComponent(cancelButton)

221 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

222 .addComponent(deleteButton))

223 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

224 .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 236, javax.swing.GroupLayout.PREFERRED\_SIZE)

225 .addComponent(tamuScrollPane, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 375, javax.swing.GroupLayout.PREFERRED\_SIZE)))

226 .addGap(10, 10, 10))

227 .addGroup(layout.createSequentialGroup()

228 .addGap(24, 24, 24)

229 .addComponent(jLabel4)

230 .addContainerGap(250, Short.MAX\_VALUE))

231 );

232 layout.setVerticalGroup(

233 layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

234 .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

235 .addContainerGap()

236 .addComponent(jLabel4)

237 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

238 .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

239 .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

240 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

241 .addComponent(editButton)

242 .addComponent(cancelButton)

243 .addComponent(insertButton)

244 .addComponent(deleteButton))

245 .addGap(18, 18, 18)

246 .addComponent(tamuScrollPane, javax.swing.GroupLayout.PREFERRED\_SIZE, 116, javax.swing.GroupLayout.PREFERRED\_SIZE)

247 .addContainerGap())

248 );

249

250 pack();

251 }// </editor-fold>

252

253 private void tamuTableMouseClicked(java.awt.event.MouseEvent evt) {

254 int rowNum = this.tamuTable.getSelectedRow();

255 if(rowNum != -1){

256 javax.swing.table.TableModel model = this.tamuTable.getModel();

257 this.idTextField.setText((String) model.getValueAt(rowNum, 0));

258 this.tamuTextField.setText((String) model.getValueAt(rowNum, 1));

259 this.kamarTextField.setText((String) model.getValueAt(rowNum, 2));

260 try{

261 this.tamuResultSet.absolute(rowNum+1);

262 }catch(java.sql.SQLException e){

263 System.out.println(e.getMessage());

264 }

265 }

266

267 }

268

269 private void insertButtonActionPerformed(java.awt.event.ActionEvent evt) {

270 if(this.insertButton.getText().equals("Insert")){

271 this.insertButton.setText("Simpan");

272 this.editButton.setEnabled(false);

273 this.cancelButton.setEnabled(true);

274 this.idTextField.setEditable(true);

275 this.tamuTextField.setEditable(true);

276 this.kamarTextField.setEditable(true);

277

278 this.idTextField.setText(null);

279 this.tamuTextField.setText(null);

280 this.kamarTextField.setText(null);

281 try{

282 this.tamuResultSet.moveToInsertRow();

283 }catch(java.sql.SQLException e){

284 System.out.println(e.getMessage());

285 }

286 }else{

287 try{

288 this.tamuResultSet.updateString(

289 1, this.idTextField.getText());

290 this.tamuResultSet.updateString(

291 2, this.tamuTextField.getText());

292 this.tamuResultSet.updateString(

293 3, this.kamarTextField.getText());

294 this.tamuResultSet.insertRow();

295 }catch(java.sql.SQLException e){

296 System.out.println(e.getMessage());

297 }

298 this.insertButton.setText("Insert");

299 this.editButton.setEnabled(true);

300 this.cancelButton.setEnabled(false);

301 this.idTextField.setEditable(false);

302 this.tamuTextField.setEditable(false);

303 this.kamarTextField.setEditable(false);

304 this.refreshTable();

305 }

306

307 }

308

309 private void editButtonActionPerformed(java.awt.event.ActionEvent evt) {

310 if(this.editButton.getText().equals("Edit")){

311 this.editButton.setText("Simpan");

312 this.insertButton.setEnabled(false);

313 this.cancelButton.setEnabled(true);

314 this.idTextField.setEditable(true);

315 this.tamuTextField.setEditable(true);

316 this.kamarTextField.setEditable(true);

317

318 }else{

319 try{

320 this.tamuResultSet.updateString(

321 1, this.idTextField.getText());

322 this.tamuResultSet.updateString(

323 2, this.tamuTextField.getText());

324 this.tamuResultSet.updateString(

325 3, this.kamarTextField.getText());

326 this.tamuResultSet.updateRow();

327 }catch(java.sql.SQLException e){

328 System.out.println(e.getMessage());

329 }

330 this.editButton.setText("Edit");

331 this.insertButton.setEnabled(true);

332 this.cancelButton.setEnabled(false);

333 this.idTextField.setEditable(false);

334 this.tamuTextField.setEditable(false);

335 this.kamarTextField.setEditable(false);

336 this.refreshTable();

337 }

338

339 }

340

341 private void deleteButtonActionPerformed(java.awt.event.ActionEvent evt) {

342 try{

343 this.tamuResultSet.deleteRow();

344 }catch(java.sql.SQLException e){

345 System.out.println(e.getMessage());

346 }

347 this.refreshTable();

348

349 }

350

351 private void cancelButtonActionPerformed(java.awt.event.ActionEvent evt) {

352 // TODO add your handling code here:

353 }

354

355

356 /\*\*

357 \* @param args the command line arguments

358 \*/

359 public static void main(String args[]) {

360 java.awt.EventQueue.invokeLater(new Runnable() {

361 public void run() {

362 new TamuJFrame().setVisible(true);

363 }

364 });

365 }

366

367 // Variables declaration - do not modify

368 private javax.swing.JButton cancelButton;

369 private javax.swing.JButton deleteButton;

370 private javax.swing.JButton editButton;

371 private javax.swing.JTextField idTextField;

372 private javax.swing.JButton insertButton;

373 private javax.swing.JLabel jLabel1;

374 private javax.swing.JLabel jLabel2;

375 private javax.swing.JLabel jLabel3;

376 private javax.swing.JLabel jLabel4;

377 private javax.swing.JPanel jPanel1;

378 private javax.swing.JTextField kamarTextField;

379 private javax.swing.JScrollPane tamuScrollPane;

380 private javax.swing.JTable tamuTable;

381 private javax.swing.JTextField tamuTextField;

382 // End of variables declaration

384 }