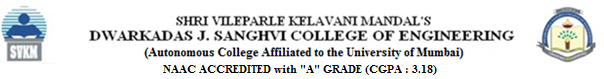
Academic Year 2022-23 SAP ID: 60003220193



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**COURSE CODE: DJS22ITL306 DATE: 13/12/23**

**COURSE NAME: Programming Laboratory 1(Advance Java)**

**CLASS:S.Y B.Tech IT1 Batch1**

**NAME: ANISH SHARMA**

**ROLL: I011**

**EXP-09 : MINI PROJECT**

TITLE : Car Rental Form

PROBLEM STATEMENT:

Form a group of 3 students. Select and develop any application (only in NetBeans) of your choice. Minimum 4/5 GUI screens that are interconnected. Focus should be given on look and feel of the GUI (Eg: background/ colours/ multimedia etc etc). For database operations show minimum CRUD operations (triggers can be additionally demonstrated). Contribution of each team member should be highlighted in the documentation.

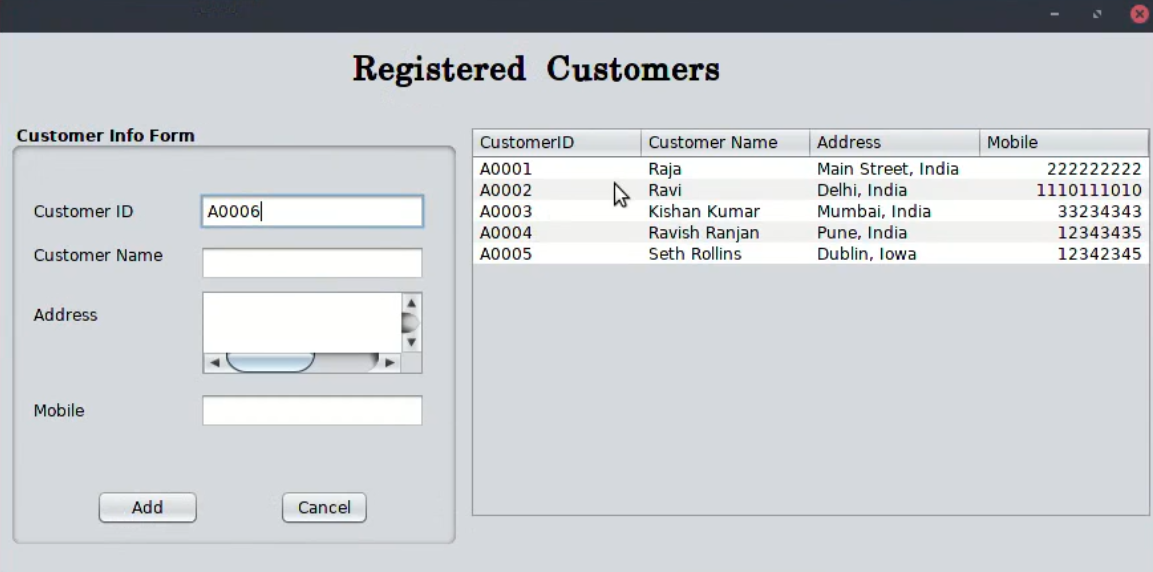
GROUP MEMEBERS :

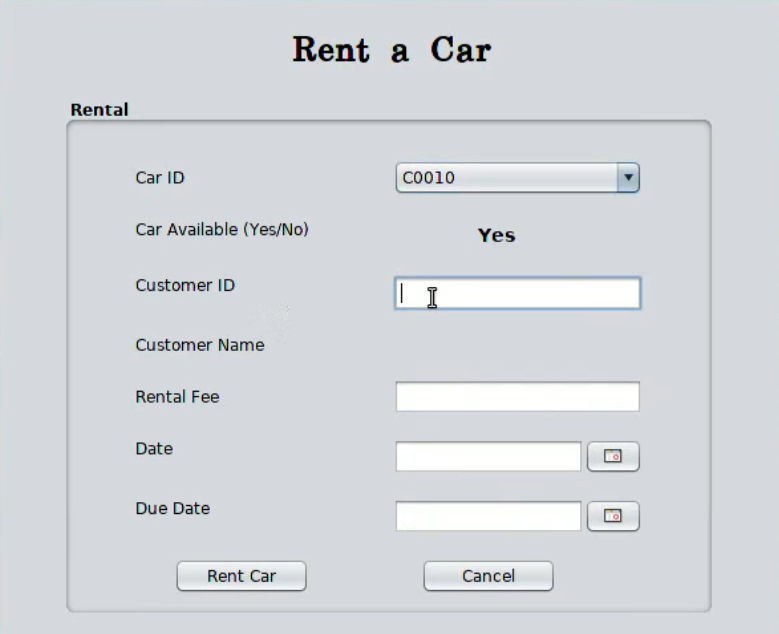
Anish Sharma - 60003220045

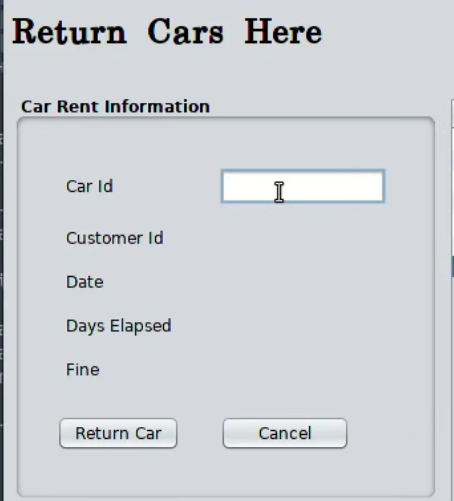
Atharva Deshpande - 60003220193

Aryan Patankar – 60003220285

FRONT END DESIGN :







Event Handling Code:

Connectivity Code:

Customer Registration:

/\*

\* To change this license header, choose License Headers in Project Properties.

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

\* and open the template in the editor.

\*/

package Rent;

import java.util.logging.Level;

import java.util.logging.Logger;

import java.sql.\*;

import java.util.Vector;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

/\*\*

\*

\* @author afroz

\*/

public class CustomerRegistration extends javax.swing.JFrame {

private Object statement;

/\*\*

\* Creates new form CustomerRegistration

\*/

public CustomerRegistration() {

initComponents();

autoID(); // Calling the autoID() function

table\_update();

}

Connection con;

PreparedStatement pst;

/\*\*

\* This method is called from within the constructor to initialize the form.

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

public void table\_update()

{

int c;

try {

Class.forName("java.sql.Driver");

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/rentcar", "root", "afroz123");

pst = con.prepareStatement("Select \* from customer;");

ResultSet Rs = pst.executeQuery();

ResultSetMetaData rd = Rs.getMetaData();

c = rd.getColumnCount();

DefaultTableModel df = (DefaultTableModel) jTable1.getModel();

df.setRowCount(0);

// While loop for getting the values to the table

while(Rs.next())

{

Vector v2 = new Vector(); // Creating a vector object

for(int i=1; i<=c; i++)

{

v2.add(Rs.getString("cust\_id"));

v2.add(Rs.getString("name"));

v2.add(Rs.getString("address"));

v2.add(Rs.getString("mobile"));

}

df.addRow(v2);

}

} catch (ClassNotFoundException ex) {

Logger.getLogger(CustomerRegistration.class.getName()).log(Level.SEVERE, null, ex);

} catch (SQLException ex) {

Logger.getLogger(CustomerRegistration.class.getName()).log(Level.SEVERE, null, ex);

}

}

public void autoID()

{

try {

Class.forName("java.sql.Driver");

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/rentcar", "root", "afroz123");

Statement s = con.createStatement();

ResultSet rs;

rs = s.executeQuery("Select Max(cust\_id) from customer;");

rs.next();

rs.getString("max(cust\_id)");

if(rs.getString("Max(cust\_id)") == null)

{

jTextField1.setText("A0001");

}

else

{

long id = Long.parseLong(rs.getString("Max(cust\_id)").substring(2, rs.getString("Max(cust\_id)").length()));

id++;

jTextField1.setText("A0" + String.format("%03d", id));

}

} catch (ClassNotFoundException | SQLException ex) {

Logger.getLogger(CustomerRegistration.class.getName()).log(Level.SEVERE, null, ex);

}

}

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jTextField1 = new javax.swing.JTextField();

jTextField2 = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jButton4 = new javax.swing.JButton();

jScrollPane2 = new javax.swing.JScrollPane();

jTextArea1 = new javax.swing.JTextArea();

jTextField4 = new javax.swing.JTextField();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jLabel5 = new javax.swing.JLabel();

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

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder("Customer Info Form"));

jLabel1.setText("Customer ID");

jLabel2.setText("Customer Name");

jLabel3.setText("Address");

jLabel4.setText("Mobile");

jTextField1.addActionListener(new java.awt.event.ActionListener() {

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

jTextField1ActionPerformed(evt);

}

});

jButton1.setText("Add");

jButton1.addActionListener(new java.awt.event.ActionListener() {

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

jButton1ActionPerformed(evt);

}

});

jButton4.setText("Cancel");

jButton4.addActionListener(new java.awt.event.ActionListener() {

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

jButton4ActionPerformed(evt);

}

});

jTextArea1.setColumns(20);

jTextArea1.setRows(5);

jScrollPane2.setViewportView(jTextArea1);

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addComponent(jLabel1)

.addComponent(jLabel2)

.addComponent(jLabel3)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 101, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(28, 28, 28)

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

.addComponent(jTextField1, javax.swing.GroupLayout.DEFAULT\_SIZE, 170, Short.MAX\_VALUE)

.addComponent(jTextField2)

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE)

.addComponent(jTextField4))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(47, 47, 47)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 78, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 60, Short.MAX\_VALUE)

.addComponent(jButton4)

.addGap(55, 55, 55))))

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(24, 24, 24)

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

.addComponent(jLabel1)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jLabel2)

.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(18, 18, 18)

.addComponent(jLabel3))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(6, 6, 6)

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 66, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

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

.addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel4))

.addGap(46, 46, 46)

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

.addComponent(jButton1)

.addComponent(jButton4))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"CustomerID", "Customer Name", "Address", "Mobile"

}

) {

Class[] types = new Class [] {

java.lang.String.class, java.lang.String.class, java.lang.String.class, java.lang.Integer.class

};

public Class getColumnClass(int columnIndex) {

return types [columnIndex];

}

});

jTable1.addMouseListener(new java.awt.event.MouseAdapter() {

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

jTable1MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable1);

jLabel5.setFont(new java.awt.Font("Tibetan Machine Uni", 1, 24)); // NOI18N

jLabel5.setText("Registered Customers");

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

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

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 515, Short.MAX\_VALUE)

.addContainerGap())

.addGroup(layout.createSequentialGroup()

.addGap(266, 266, 266)

.addComponent(jLabel5)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

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

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

.addContainerGap()

.addComponent(jLabel5)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 15, Short.MAX\_VALUE)

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

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 296, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(23, 23, 23))

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>//GEN-END:initComponents

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jTextField1ActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_jTextField1ActionPerformed

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed

try {

// TODO add your handling code here:

String custID = jTextField1.getText(); // Getting the customer ID

String Custname = jTextField2.getText(); // Getting CustomerRegistration Name

String address = jTextArea1.getText();

String mobile = jTextField4.getText();

try {

Class.forName("java.sql.Driver");

con = DriverManager.getConnection("jdbc:mysql://localhost:3306/rentcar", "root", "afroz123");

pst = con.prepareStatement("insert into customer(cust\_id, name, address, mobile) values (?, ?, ?, ?)");

pst.setString(1, custID);

pst.setString(2, Custname);

pst.setString(3, address);

pst.setString(4, mobile);

pst.executeUpdate();

JOptionPane.showMessageDialog(this, "Customer Added !!");

// Setting the name, address and mobile fields as empty

jTextField2.setText("");

jTextArea1.setText("");

jTextField4.setText("");

jTextField2.requestFocus(); // Making cursor point to jTextField2

autoID();

table\_update();

} catch (ClassNotFoundException ex) {

Logger.getLogger(CustomerRegistration.class.getName()).log(Level.SEVERE, null, ex);

}

} catch (SQLException ex) {

Logger.getLogger(CustomerRegistration.class.getName()).log(Level.SEVERE, null, ex);

}

}//GEN-LAST:event\_jButton1ActionPerformed

private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable1MouseClicked

// TODO add your handling code here:

}//GEN-LAST:event\_jTable1MouseClicked

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton4ActionPerformed

// TODO add your handling code here:

dispose();

}//GEN-LAST:event\_jButton4ActionPerformed

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(CustomerRegistration.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(CustomerRegistration.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(CustomerRegistration.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(CustomerRegistration.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new CustomerRegistration().setVisible(true);

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton4;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JPanel jPanel1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JTable jTable1;

private javax.swing.JTextArea jTextArea1;

private javax.swing.JTextField jTextField1;

private javax.swing.JTextField jTextField2;

private javax.swing.JTextField jTextField4;

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

}

Rent A Car:

/\*

\* To change this license header, choose License Headers in Project Properties.

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

\* and open the template in the editor.

\*/

package Rent;

import com.mysql.jdbc.Connection;

import java.sql.\*;

import com.mysql.jdbc.PreparedStatement;

import java.awt.event.KeyEvent;

import java.sql.DriverManager;

import java.sql.SQLException;

import java.text.SimpleDateFormat;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

/\*\*

\*

\* @author afroz

\*/

public class Rent\_a\_car extends javax.swing.JFrame {

/\*\*

\* Creates new form Rental

\*/

public Rent\_a\_car() {

initComponents();

LoadCarid();

jDateChooser1.setDateFormatString("yyyy/MM/dd"); // The MM is capital here

jDateChooser2.setDateFormatString("yyyy/MM/dd");

jTextField1.setEnabled(false);

jLabel9.setEnabled(false);

jTextField3.setEnabled(false);

jDateChooser1.setEnabled(false);

jDateChooser2.setEnabled(false);

}

Connection con = null;

PreparedStatement pst = null;

ResultSet rs = null;

PreparedStatement pst1 = null;

PreparedStatement pst2 = null;

PreparedStatement pst3 = null;

PreparedStatement pst4 = null;

// Creating a function so that the CarID's are loaded automatically

public void LoadCarid()

{

try {

Class.forName("java.sql.Driver");

java.sql.Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/rentcar", "root", "afroz123");

PreparedStatement pst = (PreparedStatement) con.prepareStatement("select \* from carregistration;");

ResultSet rs ;

rs = pst.executeQuery();

jComboBox1.removeAllItems();

while(rs.next())

{

jComboBox1.addItem(rs.getString(1)); // 1 is the car\_no

}

}

catch (ClassNotFoundException | SQLException ex) {

Logger.getLogger(Rent\_a\_car.class.getName()).log(Level.SEVERE, null, ex);

}

}

/\*\*

\* This method is called from within the constructor to initialize the form.

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jComboBox1 = new javax.swing.JComboBox<>();

jTextField1 = new javax.swing.JTextField();

jTextField3 = new javax.swing.JTextField();

jDateChooser1 = new com.toedter.calendar.JDateChooser();

jDateChooser2 = new com.toedter.calendar.JDateChooser();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jLabel7 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

jLabel10 = new javax.swing.JLabel();

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

setUndecorated(true);

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder("Rental"));

jLabel1.setText("Car ID");

jLabel2.setText("Customer ID");

jLabel3.setText("Customer Name");

jLabel4.setText("Rental Fee");

jLabel5.setText("Date");

jLabel6.setText("Due Date");

jComboBox1.addActionListener(new java.awt.event.ActionListener() {

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

jComboBox1ActionPerformed(evt);

}

});

jTextField1.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

jTextField1KeyPressed(evt);

}

});

jButton1.setText("Rent Car");

jButton1.addActionListener(new java.awt.event.ActionListener() {

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

jButton1ActionPerformed(evt);

}

});

jButton2.setText("Cancel");

jButton2.addActionListener(new java.awt.event.ActionListener() {

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

jButton2ActionPerformed(evt);

}

});

jLabel7.setText("Car Available (Yes/No)");

jLabel7.setOpaque(true);

jLabel8.setFont(new java.awt.Font("Bitstream Vera Sans", 1, 14)); // NOI18N

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(42, 42, 42)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 102, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel3)

.addComponent(jLabel1)

.addComponent(jLabel2)

.addComponent(jLabel5)

.addComponent(jLabel6)

.addComponent(jLabel4)

.addComponent(jLabel7)))

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(63, 63, 63)

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jDateChooser2, javax.swing.GroupLayout.PREFERRED\_SIZE, 188, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jDateChooser1, javax.swing.GroupLayout.PREFERRED\_SIZE, 188, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED\_SIZE, 188, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 188, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED\_SIZE, 188, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED\_SIZE, 124, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jLabel9, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 188, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(0, 42, Short.MAX\_VALUE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

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

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 102, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(107, 107, 107))))

);

jPanel1Layout.linkSize(javax.swing.SwingConstants.HORIZONTAL, new java.awt.Component[] {jComboBox1, jDateChooser1, jDateChooser2, jTextField1, jTextField3});

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(18, 18, 18)

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

.addComponent(jLabel1)

.addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(18, 18, 18)

.addComponent(jLabel7))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(18, 18, 18)

.addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(18, 18, 18)

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

.addComponent(jLabel2)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(18, 18, 18)

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

.addComponent(jLabel4)

.addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addComponent(jLabel5)

.addComponent(jDateChooser1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addComponent(jLabel6)

.addComponent(jDateChooser2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addComponent(jButton1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap())

);

jPanel1Layout.linkSize(javax.swing.SwingConstants.VERTICAL, new java.awt.Component[] {jComboBox1, jDateChooser1, jDateChooser2, jTextField1, jTextField3});

jLabel10.setFont(new java.awt.Font("Tibetan Machine Uni", 1, 24)); // NOI18N

jLabel10.setText("Rent a Car");

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap(48, Short.MAX\_VALUE)

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

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

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

.addGap(48, 48, 48))

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

.addComponent(jLabel10)

.addGap(218, 218, 218))))

);

layout.setVerticalGroup(

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

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

.addGap(18, 18, 18)

.addComponent(jLabel10)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 10, Short.MAX\_VALUE)

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

.addGap(18, 18, 18))

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>//GEN-END:initComponents

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton2ActionPerformed

// TODO add your handling code here:

dispose();

}//GEN-LAST:event\_jButton2ActionPerformed

private void jComboBox1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jComboBox1ActionPerformed

// TODO add your handling code here:

String car\_id = jComboBox1.getSelectedItem().toString();

try {

Class.forName("java.sql.Driver");

java.sql.Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/rentcar", "root", "afroz123");

pst1 = (PreparedStatement) con.prepareStatement("Select \* from carregistration where car\_no = ?");

pst1.setString(1, car\_id);

rs = pst1.executeQuery();

if(rs.next() == false)

{

JOptionPane.showMessageDialog(this, "Car Number Not Found");

}

else

{

String aval = rs.getString("available");

// jTextField4.setText(aval.trim());

jLabel8.setText(aval.trim()); // For jLabel

if(aval.equals("Yes"))

{

jTextField1.setEnabled(true);

jLabel9.setEnabled(true);

jTextField3.setEnabled(true);

jDateChooser1.setEnabled(true);

jDateChooser2.setEnabled(true);

}

}

} catch (ClassNotFoundException | SQLException ex) {

Logger.getLogger(Rent\_a\_car.class.getName()).log(Level.SEVERE, null, ex);

}

}//GEN-LAST:event\_jComboBox1ActionPerformed

private void jTextField1KeyPressed(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_jTextField1KeyPressed

// TODO add your handling code here:

if(evt.getKeyCode() == KeyEvent.VK\_ENTER)

{

String cust\_id = jTextField1.getText();

try {

Class.forName("java.sql.Driver");

java.sql.Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/rentcar", "root", "afroz123");

pst2 = (PreparedStatement) con.prepareStatement("Select \* from customer where cust\_id = ?");

pst2.setString(1, cust\_id);

rs = pst2.executeQuery();

if(rs.next() == false)

{

JOptionPane.showMessageDialog(this, "Customer number not found");

}

else

{

String custname = rs.getString("name");

jLabel9.setText(custname.trim()); // For jLabel

}

}

catch (ClassNotFoundException | SQLException ex) {

Logger.getLogger(Rent\_a\_car.class.getName()).log(Level.SEVERE, null, ex);

}

}

}//GEN-LAST:event\_jTextField1KeyPressed

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed

// TODO add your handling code here:

String car\_id = jComboBox1.getSelectedItem().toString();

String cust\_id = jTextField1.getText();

String fee = jTextField3.getText();

SimpleDateFormat Date\_Format = new SimpleDateFormat("yyyy-MM-dd"); // Storing Start Date

String date = Date\_Format.format(jDateChooser1.getDate());

SimpleDateFormat Date\_Format1 = new SimpleDateFormat("yyyy-MM-dd"); // Storing Due Date

String due = Date\_Format1.format(jDateChooser2.getDate());

try {

Class.forName("java.sql.Driver");

java.sql.Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/rentcar", "root", "afroz123");

pst3 = (PreparedStatement) con.prepareStatement("INSERT INTO rental (car\_id, cust\_id, fee, date, due) VALUES (?, ?, ?, ?, ?);");

pst3.setString(1, car\_id);

pst3.setString(2, cust\_id);

pst3.setString(3, fee);

pst3.setString(4, date);

pst3.setString(5, due);

pst3.executeUpdate();

pst4 = (PreparedStatement) con.prepareStatement("UPDATE carregistration set available = 'No' where car\_no = ?");

pst4.setString(1, car\_id);

pst4.executeUpdate();

JOptionPane.showMessageDialog(this, "Success");

jTextField1.setText("");

jLabel8.setText("");

jLabel9.setText("");

jTextField1.setText("");

jTextField3.setText("");

jDateChooser1.cleanup();

jDateChooser2.cleanup();

jComboBox1.setSelectedIndex(-1); // Clearing the value in jCB

// jDateChooser2.setText("");

// jTextField1.setText("");

}

catch (ClassNotFoundException | SQLException ex) {

Logger.getLogger(Rent\_a\_car.class.getName()).log(Level.SEVERE, null, ex);

}

}//GEN-LAST:event\_jButton1ActionPerformed

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Rent\_a\_car.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Rent\_a\_car.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Rent\_a\_car.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Rent\_a\_car.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new Rent\_a\_car().setVisible(true);

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JComboBox<String> jComboBox1;

private com.toedter.calendar.JDateChooser jDateChooser1;

private com.toedter.calendar.JDateChooser jDateChooser2;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JTextField jTextField1;

private javax.swing.JTextField jTextField3;

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

}

Return A CAR:

/\*

\* To change this license header, choose License Headers in Project Properties.

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

\* and open the template in the editor.

\*/

package Rent;

import com.mysql.jdbc.Connection;

import com.mysql.jdbc.PreparedStatement;

import java.awt.event.KeyEvent;

import java.sql.\*;

import java.util.Vector;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

/\*\*

\*

\* @author afroz

\*/

public class ReturnCar extends javax.swing.JFrame {

/\*\*

\* Creates new form ReturnCar

\*/

public ReturnCar() {

initComponents();

table\_update();

}

Connection con;

PreparedStatement pst;

PreparedStatement pst1;

PreparedStatement pst2;

ResultSet rs;

/\*\*

\* This method is called from within the constructor to initialize the form.

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

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

public void table\_update()

{

int c;

try {

Class.forName("java.sql.Driver");

java.sql.Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/rentcar", "root", "afroz123");

pst = (PreparedStatement) con.prepareStatement("Select \* from returncar;");

ResultSet Rs = pst.executeQuery();

ResultSetMetaData rd = Rs.getMetaData();

c = rd.getColumnCount();

DefaultTableModel df = (DefaultTableModel) jTable1.getModel();

df.setRowCount(0);

// While loop for getting the values to the table

while(Rs.next())

{

Vector v2 = new Vector(); // Creating a vector object

for(int i=1; i<=c; i++)

{

v2.add(Rs.getString("custid"));

v2.add(Rs.getString("carid"));

v2.add(Rs.getString("return\_date"));

v2.add(Rs.getString("elap"));

v2.add(Rs.getString("fine"));

}

df.addRow(v2);

}

} catch (ClassNotFoundException ex) {

Logger.getLogger(CustomerRegistration.class.getName()).log(Level.SEVERE, null, ex);

} catch (SQLException ex) {

Logger.getLogger(CustomerRegistration.class.getName()).log(Level.SEVERE, null, ex);

}

}

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jPanel1 = new javax.swing.JPanel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jTextField1 = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jLabel7 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

jLabel10 = new javax.swing.JLabel();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jLabel11 = new javax.swing.JLabel();

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

jLabel1.setFont(new java.awt.Font("Tibetan Machine Uni", 1, 24)); // NOI18N

jLabel1.setText("Return Cars Here");

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder("Car Rent Information"));

jLabel2.setText("Car Id");

jLabel3.setText("Customer Id");

jLabel4.setText("Date");

jLabel5.setText("Days Elapsed");

jLabel6.setText("Fine");

jTextField1.addActionListener(new java.awt.event.ActionListener() {

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

jTextField1ActionPerformed(evt);

}

});

jTextField1.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

jTextField1KeyPressed(evt);

}

});

jButton1.setText("Return Car");

jButton1.addActionListener(new java.awt.event.ActionListener() {

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

jButton1ActionPerformed(evt);

}

});

jButton2.setText("Cancel");

jButton2.addActionListener(new java.awt.event.ActionListener() {

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

jButton2ActionPerformed(evt);

}

});

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

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(27, 27, 27)

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

.addComponent(jLabel2)

.addComponent(jLabel5)

.addComponent(jLabel6)

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

.addComponent(jLabel4, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel3, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(20, 20, 20)

.addComponent(jButton1)))

.addGap(30, 30, 30)

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel10, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel9, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel8, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel7, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jTextField1, javax.swing.GroupLayout.Alignment.LEADING))

.addGap(27, 27, 27))

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(54, Short.MAX\_VALUE))))

);

jPanel1Layout.setVerticalGroup(

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

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(27, 27, 27)

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

.addComponent(jLabel2)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(18, 18, 18)

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

.addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(18, 18, 18)

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

.addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(18, 18, 18)

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

.addComponent(jLabel6)

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 15, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(27, 27, 27)

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

.addComponent(jButton1)

.addComponent(jButton2))

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

);

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"CustID", "CarID", "Return Date", "Elapsed", "Fine"

}

) {

Class[] types = new Class [] {

java.lang.String.class, java.lang.String.class, java.lang.String.class, java.lang.String.class, java.lang.Integer.class

};

public Class getColumnClass(int columnIndex) {

return types [columnIndex];

}

});

jScrollPane1.setViewportView(jTable1);

jLabel11.setFont(new java.awt.Font("Tibetan Machine Uni", 1, 14)); // NOI18N

jLabel11.setText("Returned Cars Info");

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 439, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(12, 12, 12))

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 242, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED\_SIZE, 158, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(147, 147, 147))

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

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

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel1)

.addGap(21, 21, 21))

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

.addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>//GEN-END:initComponents

private void jTextField1KeyPressed(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_jTextField1KeyPressed

// TODO add your handling code here:

if(evt.getKeyCode() == KeyEvent.VK\_ENTER)

{

try {

Class.forName("java.sql.Driver");

java.sql.Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/rentcar", "root", "afroz123");

String car\_id = jTextField1.getText();

pst = (PreparedStatement) con.prepareStatement("SELECT car\_id, cust\_id, due, DATEDIFF(NOW(), due) AS elap FROM rental WHERE car\_id = ?");

pst.setString(1, car\_id);

rs = pst.executeQuery();

if(rs.next() == false)

{

JOptionPane.showMessageDialog(this, "Car ID NOT FOUND");

}

else

{

String custid = rs.getString("cust\_id");

jLabel7.setText(custid.trim());

String date = rs.getString("due");

jLabel8.setText(date.trim());

String elapsed = rs.getString("elap"); // Calculating the elapsed

int elaped = Integer.parseInt(elapsed);

if(elaped > 0)

{

jLabel9.setText(elapsed);

int fine = elaped \* 100; // With each day you need to pay 100 Ruppees as fine

jLabel10.setText(String.valueOf(fine));

}

else

{

jLabel9.setText("0"); // Setting the Days Elapsed

jLabel10.setText("0"); // Setting the fine

}

}

} catch (ClassNotFoundException | SQLException ex) {

Logger.getLogger(ReturnCar.class.getName()).log(Level.SEVERE, null, ex);

}

}

}//GEN-LAST:event\_jTextField1KeyPressed

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jTextField1ActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_jTextField1ActionPerformed

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton2ActionPerformed

// TODO add your handling code here:

dispose();

}//GEN-LAST:event\_jButton2ActionPerformed

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed

// TODO add your handling code here:

String car\_id = jTextField1.getText();

String cust\_id = jLabel7.getText();

String return\_date = jLabel8.getText();

String elap = jLabel9.getText(); // Elapsed time

String fine = jLabel10.getText(); // Fine

try {

Class.forName("java.sql.Driver");

java.sql.Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/rentcar", "root", "afroz123");

pst = (PreparedStatement) con.prepareStatement("INSERT INTO returncar (carid, custid, return\_date, elap, fine) VALUES (?, ?, ?, ?, ?)");

pst.setString(1, car\_id);

pst.setString(2, cust\_id);

pst.setString(3, return\_date);

pst.setString(4, elap);

pst.setString(5, fine);

pst.executeUpdate();

pst1 = (PreparedStatement) con.prepareStatement("UPDATE carregistration SET available = 'Yes' WHERE car\_no = ?;");

pst1.setString(1, car\_id);

pst1.executeUpdate(); // Updating the records

pst2 = (PreparedStatement) con.prepareStatement("DELETE FROM rental WHERE car\_id = ?");

pst2.setString(1, car\_id);

pst2.executeUpdate();

JOptionPane.showMessageDialog(this, "Car Record Updated");

jTextField1.setText("");

jLabel7.setText("");

jLabel8.setText("");

jLabel9.setText("");

jLabel10.setText("");

// jComboBox1.setSelectedIndex(-1); // Clearing the value in jCB

// jTextField2.requestFocus(); // Changing Focus

table\_update();

} catch (ClassNotFoundException | SQLException ex) {

Logger.getLogger(ReturnCar.class.getName()).log(Level.SEVERE, null, ex);

}

}//GEN-LAST:event\_jButton1ActionPerformed

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(ReturnCar.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(ReturnCar.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(ReturnCar.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(ReturnCar.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

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

public void run() {

new ReturnCar().setVisible(true);

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable jTable1;

private javax.swing.JTextField jTextField1;

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

}