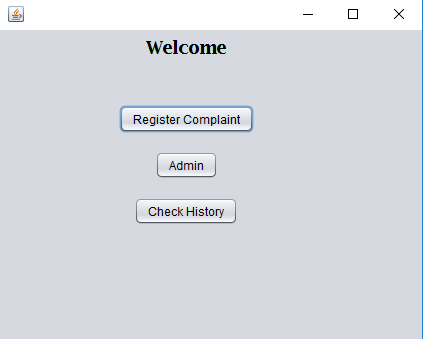
**Advanced Java**

**Lab Assignment 1**

**Date: 19/6/2018**

**Implement a GUI based program which accepts the complaints from customers for their personal computer or laptops. Create a class Complaint which will have data members like complaint id, customer name, customer address, complaint and status. Add the complaint to the database. If the complaint of the customer is resolved, it should be added to customer’s history. If the complaint is not completely resolved the status of the complaint should be changed.**

**MainPage.java**



package customercare;

public class MainPage extends javax.swing.JFrame { // Creates new form MainPage

public MainPage() {

initComponents();

}

@SuppressWarnings("unchecked")

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

private void initComponents() {

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jButton3 = new javax.swing.JButton();

jButton4 = new javax.swing.JButton();

jButton5 = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();

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

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

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

}

));

jScrollPane1.setViewportView(jTable1);

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

jButton3.setText("Register Complaint");

jButton3.addActionListener(new java.awt.event.ActionListener() {

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

jButton3ActionPerformed(evt);

}

});

jButton4.setText("Admin");

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

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

jButton4ActionPerformed(evt);

}

});

jButton5.setText("Check History");

jButton5.addActionListener(new java.awt.event.ActionListener() {

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

jButton5ActionPerformed(evt);

}

});

jLabel1.setFont(new java.awt.Font("Lucida Bright", 1, 18)); // NOI18N

jLabel1.setText("Welcome");

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

.addGap(119, 119, 119)

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

.addComponent(jButton3)

.addComponent(jButton4)

.addComponent(jButton5)

.addComponent(jLabel1))

.addContainerGap(168, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1)

.addGap(47, 47, 47)

.addComponent(jButton3)

.addGap(18, 18, 18)

.addComponent(jButton4)

.addGap(18, 18, 18)

.addComponent(jButton5)

.addContainerGap(115, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

this.setVisible(false);

new ComplaintForm().setVisible(true);

}

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {

this.setVisible(false);

new AdminForm().setVisible(true);

}

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {

this.setVisible(false);

new Output().setVisible(true);

}

public static void main(String args[]) { // Set the Nimbus look and feel

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(MainPage.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

java.awt.EventQueue.invokeLater(new Runnable() { //Create and display the form

public void run() {

new MainPage().setVisible(true);

}

});

}

private javax.swing.JButton jButton3; // Variables declaration

private javax.swing.JButton jButton4;

private javax.swing.JButton jButton5;

private javax.swing.JLabel jLabel1;

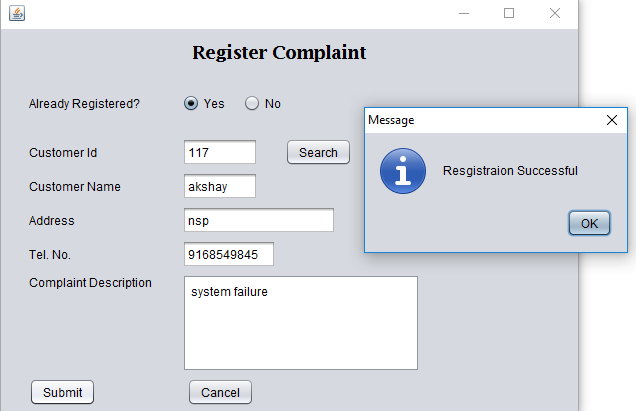
private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable jTable1;

// End of variables declaration

}

**ComplaintForm.java**



package customercare;

import javax.swing.JOptionPane;

import java.sql.\*;

import java.text.SimpleDateFormat;

import java.util.Date;

public class ComplaintForm extends javax.swing.JFrame {

public ComplaintForm() { //Creates new form ComplaintForm

initComponents();

}

@SuppressWarnings("unchecked")

String cname;

String phno;

String custid;

String Complaint\_Desc;

String Address;

private void initComponents() {

check\_reg = new javax.swing.ButtonGroup();

jLabel1 = new javax.swing.JLabel();

jTextField3 = new javax.swing.JTextField();

jLabel2 = new javax.swing.JLabel();

jTextField5 = new javax.swing.JTextField();

jLabel3 = new javax.swing.JLabel();

jTextField6 = new javax.swing.JTextField();

jLabel4 = new javax.swing.JLabel();

jScrollPane1 = new javax.swing.JScrollPane();

jTextArea1 = new javax.swing.JTextArea();

jButton1 = new javax.swing.JButton();

jLabel5 = new javax.swing.JLabel();

jButton2 = new javax.swing.JButton();

jLabel6 = new javax.swing.JLabel();

jTextField7 = new javax.swing.JTextField();

jLabel7 = new javax.swing.JLabel();

jRadioButton1 = new javax.swing.JRadioButton();

jRadioButton2 = new javax.swing.JRadioButton();

jButton3 = new javax.swing.JButton();

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

jLabel1.setText("Customer Name");

jTextField3.addActionListener(new java.awt.event.ActionListener() {

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

jTextField3ActionPerformed(evt);

}

});

jLabel2.setText("Address");

jLabel3.setText("Tel. No.");

jLabel4.setText("Complaint Description");

jTextArea1.setColumns(20);

jTextArea1.setRows(5);

jScrollPane1.setViewportView(jTextArea1);

jButton1.setText("Submit");

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

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

jButton1ActionPerformed(evt);

}

});

jLabel5.setFont(new java.awt.Font("Lucida Bright", 1, 18)); // NOI18N

jLabel5.setText("Register Complaint");

jButton2.setText("Cancel");

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

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

jButton2ActionPerformed(evt);

}

});

jLabel6.setText("Customer Id");

jLabel7.setText("Already Registered?");

check\_reg.add(jRadioButton1);

jRadioButton1.setText("Yes");

jRadioButton1.addActionListener(new java.awt.event.ActionListener() {

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

jRadioButton1ActionPerformed(evt);

}

});

check\_reg.add(jRadioButton2);

jRadioButton2.setText("No");

jRadioButton2.addActionListener(new java.awt.event.ActionListener() {

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

jRadioButton2ActionPerformed(evt);

}

});

jButton3.setText("Search");

jButton3.addActionListener(new java.awt.event.ActionListener() {

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

jButton3ActionPerformed(evt);

}

});

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

.addGap(28, 28, 28)

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

.addComponent(jLabel7)

.addComponent(jLabel6)

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

.addGroup(layout.createSequentialGroup()

.addComponent(jButton1)

.addGap(91, 91, 91)

.addComponent(jButton2))

.addGroup(layout.createSequentialGroup()

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

.addComponent(jLabel1)

.addComponent(jLabel2)

.addComponent(jLabel3)

.addComponent(jLabel4))

.addGap(30, 30, 30)

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

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

.addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED\_SIZE, 154, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jTextField6, javax.swing.GroupLayout.PREFERRED\_SIZE, 94, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(layout.createSequentialGroup()

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

.addComponent(jTextField7, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 76, Short.MAX\_VALUE)

.addComponent(jTextField3, javax.swing.GroupLayout.Alignment.LEADING))

.addGap(27, 27, 27)

.addComponent(jButton3))

.addGroup(layout.createSequentialGroup()

.addComponent(jRadioButton1)

.addGap(18, 18, 18)

.addComponent(jRadioButton2))))

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

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 215, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(12, 12, 12))))

.addContainerGap(158, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

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

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

.addContainerGap()

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 35, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(24, 24, 24)

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

.addComponent(jLabel7)

.addComponent(jRadioButton1)

.addComponent(jRadioButton2))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 26, Short.MAX\_VALUE)

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

.addComponent(jLabel6)

.addComponent(jTextField7, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton3))

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

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

.addComponent(jLabel1)

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

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

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

.addComponent(jLabel2)

.addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jLabel3)

.addComponent(jTextField6, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jLabel4)

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

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

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

.addComponent(jButton1)

.addComponent(jButton2))

.addContainerGap())

);

pack();

}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

custid = jTextField7.getText();

Complaint\_Desc = jTextArea1.getText();

String stat = "Registered";

try {

UserData.cid = custid;

Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");

Connection con = DriverManager.getConnection("jdbc:ucanaccess://D:/Adv. java/Customer\_Complaint.accdb");

SimpleDateFormat MyDate = new SimpleDateFormat("dd/MM/yyyy HH:mm:ss");

Date date;

date = new Date();

PreparedStatement ps=con.prepareStatement("insert into Complaint\_master (customer\_id,complaint\_desc,status,DateTime) values(?,?,?,?);");

ps.setString(1,UserData.cid);

ps.setString(2, Complaint\_Desc);

ps.setString(3,stat);

ps.setString(4, MyDate.format(date));

ps.executeUpdate();

JOptionPane.showMessageDialog(this, "Resgistraion Successful");

System.out.println("Inserted successfully");

this.setVisible(false);

new ComplaintForm().setVisible(true);

}

catch(Exception e)

{

System.out.println(e);

}

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

this.setVisible(false);

new MainPage().setVisible(true);

}

private void jRadioButton2ActionPerformed(java.awt.event.ActionEvent evt) {

this.setVisible(false);

new CustomerRegist().setVisible(true);

}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

Complaint\_Desc = jTextArea1.getText();

try {

Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");

Connection con = DriverManager.getConnection("jdbc:ucanaccess://D:/Adv. java/Customer\_Complaint.accdb");

Statement st = con.createStatement();

String sql = "select \* from Customer\_master where customer\_id = '"+jTextField7.getText().trim()+"'";

ResultSet rs = st.executeQuery(sql);

if(rs.next() == false){

JOptionPane.showMessageDialog(this, "Please Register First!");

}

else{

do{

jTextField3.setText(rs.getString("customer\_name"));

jTextField5.setText(rs.getString("customer\_address"));

jTextField6.setText(rs.getString("customer\_tel\_no"));

}while(rs.next());

}

}

catch(Exception e)

{

System.out.println(e);

}

}

public static void main(String args[]) { // Set the Nimbus look and feel

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(ComplaintForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

java.awt.EventQueue.invokeLater(() -> { // Create and display the form

new ComplaintForm().setVisible(true);

}); }

// Variables declaration

private javax.swing.ButtonGroup check\_reg;

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton3;

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.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JRadioButton jRadioButton1;

private javax.swing.JRadioButton jRadioButton2;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTextArea jTextArea1;

private javax.swing.JTextField jTextField3;

private javax.swing.JTextField jTextField5;

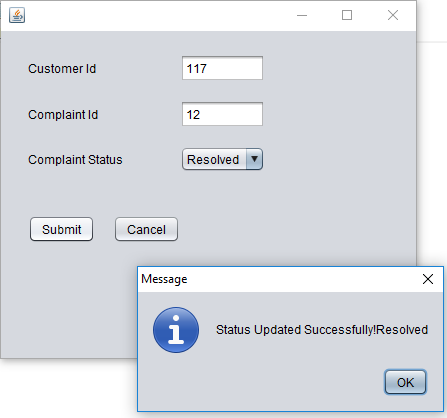
private javax.swing.JTextField jTextField6;

private javax.swing.JTextField jTextField7;

// End of variables declaration

}

**AdminForm.java**



package customercare;

import java.sql.\*;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JComboBox;

import javax.swing.JOptionPane;

public class AdminForm extends javax.swing.JFrame {

public AdminForm() { //Creates new form AdminForm

initComponents();

}

@SuppressWarnings("unchecked")

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jTextField1 = new javax.swing.JTextField();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jTextField2 = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jComboBox1 = new javax.swing.JComboBox();

jButton2 = new javax.swing.JButton();

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

jLabel1.setText("Customer Id");

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

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

jTextField1ActionPerformed(evt);

}

});

jLabel2.setText("Complaint Status");

jLabel3.setText("Complaint Id");

jButton1.setText("Submit");

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

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

jButton1ActionPerformed(evt);

}

});

jComboBox1.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "Pending", "Resolved" }));

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

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

jComboBox1ActionPerformed(evt);

}

});

jButton2.setText("Cancel");

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

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

jButton2ActionPerformed(evt);

}

});

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

.addGap(27, 27, 27)

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

.addGroup(layout.createSequentialGroup()

.addComponent(jButton1)

.addGap(18, 18, 18)

.addComponent(jButton2))

.addGroup(layout.createSequentialGroup()

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

.addComponent(jLabel1)

.addComponent(jLabel2)

.addComponent(jLabel3))

.addGap(57, 57, 57)

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

.addComponent(jTextField2, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 84, Short.MAX\_VALUE)

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

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

.addContainerGap(151, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addGap(23, 23, 23)

.addGroup(layout.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))

.addGap(18, 18, 18)

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

.addComponent(jLabel3)

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

.addGap(18, 18, 18)

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

.addComponent(jLabel2)

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

.addGap(43, 43, 43)

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

.addComponent(jButton1)

.addComponent(jButton2))

.addContainerGap(115, Short.MAX\_VALUE))

);

pack();

}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

String custid = jTextField1.getText();

String compid = jTextField2.getText();

String st = jComboBox1.getSelectedItem().toString();

try{

Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");

Connection con = DriverManager.getConnection("jdbc:ucanaccess://D:/Adv. java/Customer\_Complaint.accdb");

Statement sqlf = con.createStatement();

ResultSet rs = sqlf.executeQuery("select \* from Complaint\_master where complaint\_id = '"+compid+"' and customer\_id='"+custid+"'");

while(rs.next()){

String complaint\_id = rs.getString("complaint\_id");

String customer\_id = rs.getString("customer\_id");

String complaint\_desc = rs.getString("complaint\_desc");

String status = rs.getString("status");

String DateTime = rs.getString("DateTime");

if(complaint\_id.equals(compid) & customer\_id.equals(custid) & st.equals("Pending")){

Statement stmt = con.createStatement();

stmt.executeUpdate("update Complaint\_master set status = 'Pending' WHERE customer\_id = '"+ custid + "' AND complaint\_id = '"+ compid +"'");

JOptionPane.showMessageDialog(this, "Status Updated Successfully!" + st);

this.setVisible(false);

new MainPage().setVisible(true);

}

else if(complaint\_id.equals(compid) & customer\_id.equals(custid) & st.equals("Resolved")){

UserData.cid = customer\_id;

PreparedStatement sqli = con.prepareStatement("insert into Customer\_history (customer\_id, complaint\_id, complaint\_desc, datetime) values(?,?,?,?)");

sqli.setString(1, custid);

sqli.setString(2, compid);

sqli.setString(3, complaint\_desc);

sqli.setString(4, DateTime);

sqli.executeUpdate();

Statement std = con.createStatement();

String sqld = "delete from Complaint\_master where customer\_id = '"+ custid +"' AND complaint\_id = '"+ compid +"'";

std.executeUpdate(sqld);

JOptionPane.showMessageDialog(this, "Status Updated Successfully!" + st);

this.setVisible(false);

new MainPage().setVisible(true);

}

else{

JOptionPane.showMessageDialog(this, "no records found!");

}

System.out.println(complaint\_id);

System.out.println(customer\_id);

System.out.println(complaint\_desc);

System.out.println(status);

System.out.println(DateTime);

System.out.println(st);

}

}

catch(Exception e){

System.out.println(e);

}

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

this.setVisible(false);

new MainPage().setVisible(true);

}

public static void main(String args[]) { // Set the Nimbus look and feel

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(AdminForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

java.awt.EventQueue.invokeLater(new Runnable() { // Create and display the form

public void run() {

new AdminForm().setVisible(true);

}

});

}

// Variables declaration

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JComboBox jComboBox1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JTextField jTextField1;

private javax.swing.JTextField jTextField2;

// End of variables declaration

}

**UserData.java**

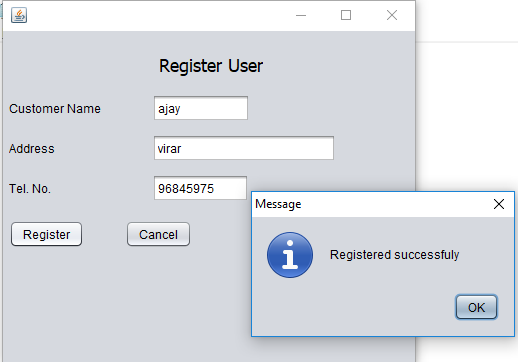
package customercare;

public class UserData {

public static String cid;

}

**CustomerRegist.java**



package customercare;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.Statement;

import javax.swing.JOptionPane;

public class CustomerRegist extends javax.swing.JFrame {

public CustomerRegist() { // Creates new form CustomerRegist

initComponents();

}

@SuppressWarnings("unchecked")

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jTextField1 = new javax.swing.JTextField();

jTextField2 = new javax.swing.JTextField();

jTextField3 = new javax.swing.JTextField();

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

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel1.setText("Register User");

jLabel2.setText("Customer Name");

jLabel3.setText("Address");

jLabel4.setText("Tel. No.");

jButton1.setText("Register");

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);

}

});

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

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

jTextField1ActionPerformed(evt);

}

});

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

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

.addGroup(layout.createSequentialGroup()

.addGap(156, 156, 156)

.addComponent(jLabel1))

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jButton1)

.addGap(41, 41, 41)

.addComponent(jButton2))

.addGroup(layout.createSequentialGroup()

.addContainerGap()

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

.addComponent(jLabel2)

.addComponent(jLabel3)

.addComponent(jLabel4))

.addGap(51, 51, 51)

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

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, 184, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED\_SIZE, 97, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addContainerGap(79, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addGap(23, 23, 23)

.addComponent(jLabel1)

.addGap(18, 18, 18)

.addGroup(layout.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))

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

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

.addComponent(jLabel3)

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

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

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

.addComponent(jButton1)

.addComponent(jButton2))

.addContainerGap(114, Short.MAX\_VALUE))

);

pack();

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

this.setVisible(false);

new MainPage().setVisible(true);

}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

String dup = "true";

try {

Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");

Connection con = DriverManager.getConnection("jdbc:ucanaccess://D:/Adv. java/Customer\_Complaint.accdb");

Statement st = con.createStatement();

String sql = "select \* from customer\_master;";

ResultSet rs = st.executeQuery(sql);

while(rs.next()){

if(rs.getString("customer\_name").equalsIgnoreCase(jTextField1.getText()) && rs.getString("customer\_address").equalsIgnoreCase(jTextField2.getText()) && rs.getString("customer\_tel\_no").equalsIgnoreCase(jTextField3.getText())){

//throw new SQLException("Duplicate Info<br>Customer Name " + jTextField1.getText());

JOptionPane.showMessageDialog(null, "User Already Registered");

dup = "false";

}

}

if("true".equals(dup)){

PreparedStatement ps=con.prepareStatement("insert into Customer\_master (customer\_name,customer\_address,customer\_tel\_no) values(?,?,?);",Statement.RETURN\_GENERATED\_KEYS);

ps.setString(1,jTextField1.getText());

ps.setString(2,jTextField2.getText());

ps.setString(3,jTextField3.getText());

ps.executeUpdate();

JOptionPane.showMessageDialog(null, "Registered successfuly");

this.setVisible(false);

new MainPage().setVisible(true);

}

}

catch(Exception e)

{

System.out.println(e);

}

}

public static void main(String args[]) { // Set the Nimbus look and feel

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(CustomerRegist.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

java.awt.EventQueue.invokeLater(new Runnable() { // Create and display the form

public void run() {

new CustomerRegist().setVisible(true);

}

});

}

// Variables declaration

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JTextField jTextField1;

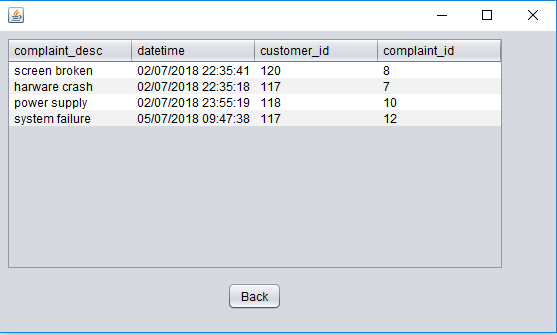
private javax.swing.JTextField jTextField2;

private javax.swing.JTextField jTextField3;

// End of variables declaration

}

**Output.java**



package customercare;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.ResultSetMetaData;

import java.sql.Statement;

import javax.swing.table.TableModel;

import net.proteanit.sql.DbUtils;

import javax.swing.table.DefaultTableModel;

public class Output extends javax.swing.JFrame {

public Output() {

initComponents();

DisplayData();

@SuppressWarnings("unchecked")

private void initComponents() {

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jButton1 = new javax.swing.JButton();

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

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

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Customer\_id", "Complaint\_id", "Complaint\_desc", "DateTime"

}

) {

Class[] types = new Class [] {

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

};

public Class getColumnClass(int columnIndex) {

return types [columnIndex];

}

});

jScrollPane1.setViewportView(jTable1);

jTable1.getAccessibleContext().setAccessibleName("");

jButton1.setText("Back");

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

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

jButton1ActionPerformed(evt);

}

});

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 498, Short.MAX\_VALUE))

.addGroup(layout.createSequentialGroup()

.addGap(227, 227, 227)

.addComponent(jButton1)))

.addGap(52, 52, 52))

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 233, Short.MAX\_VALUE)

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

.addComponent(jButton1)

.addGap(22, 22, 22))

);

pack();

}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

this.setVisible(false);

new MainPage().setVisible(true);

}

private void DisplayData() {

try{

Class.forName("net.ucanaccess.jdbc.UcanaccessDriver");

Connection con = DriverManager.getConnection("jdbc:ucanaccess://D:/Adv. java/Customer\_Complaint.accdb");

Statement st = con.createStatement();

ResultSet rs = st.executeQuery("select \* from Customer\_history");

ResultSetMetaData md = rs.getMetaData();

jTable1.setModel(DbUtils.resultSetToTableModel(rs));

}

catch(Exception e){

System.out.println(e);

}

}

public static void main(String args[]) { // Set the Nimbus look and feel

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(Output.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

java.awt.EventQueue.invokeLater(new Runnable() { // Create and display the form

public void run() {

new Output().setVisible(true);

}

});

}

// Variables declaration

private javax.swing.JButton jButton1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable jTable1;

// End of variables declaration

}