



Green University of Bangladesh
Department of Computer Science and Engineering (CSE)
Faculty of Sciences and Engineering
Semester: (Spring, Year:2021), B.Sc. in CSE (Day/Eve)

Course Title: Object-oriented programming lab
Course Code: 202 Section: DB

Lab Project Name: Pizza Ordering System In JAVA Source Code

Student Details

Name		ID
1.	Md.Mehedi Hassan Nayeem	213902045
2.		
3.		

Submission Date : 03/01/2023

Teacher's Name : Dr. Muhammad Aminur Rahaman

[For Teachers use only: Don't Write Anything inside this box]

Lab Project Status

Marks: Signature: Comments:

..... Date:

Codes :

```
import static java.awt.SystemColor.info;
import java.awt.print.PrinterException;
import java.sql.*;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.HashMap;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

public class finalProjectForm extends javax.swing.JFrame {

    /**
     * Creates new form finalProjectForm
     */
    public finalProjectForm() {
        initComponents();
    }

    DefaultTableModel model;
        String item;
        int price;

    Connection con;
    PreparedStatement pst;
    PreparedStatement pst1;
    /**
     * 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">
    private void initComponents() {

        jLabel3 = new javax.swing.JLabel();
        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        lblsmall = new javax.swing.JRadioButton();
    }
}
```

```

lblmid = new javax.swing.JRadioButton();
lbllarge = new javax.swing.JRadioButton();
lblxlarge = new javax.swing.JRadioButton();
jScrollPane1 = new javax.swing.JScrollPane();
jTable1 = new javax.swing.JTable();
jLabel4 = new javax.swing.JLabel();
txtqty = new javax.swing.JSpinner();
jLabel5 = new javax.swing.JLabel();
txtpay = new javax.swing.JTextField();
jLabel6 = new javax.swing.JLabel();
txtbal = new javax.swing.JTextField();
text = new javax.swing.JLabel();
txttotal = new javax.swing.JTextField();
remove = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();
jButton1 = new javax.swing.JButton();

jLabel3.setText("jLabel3");

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(0, 0, 255));

jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 36)); // NOI18N
jLabel1.setForeground(new java.awt.Color(0, 255, 255));
jLabel1.setText("Pizza Ordering System");

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(202, 202, 202)
        .addComponent(jLabel1)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );
jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
        .addContainerGap(50, Short.MAX_VALUE)
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 54,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(48, 48, 48))
    );

```

```

jPanel2.setBackground(new java.awt.Color(204, 204, 204));

jLabel2.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel2.setText("Choose Your Pizza");

lblsmall.setText("Small Pizza");
lblsmall.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        lblsmallActionPerformed(evt);
    }
});

lblmid.setText("Medium Pizza");

lbllarge.setText("Large Pizza");

lblxlarge.setText("Extra Large Pizza");

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(25, 25, 25)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(lblxlarge)
                .addComponent(lbllarge)
                .addComponent(lblmid)
                .addComponent(lblsmall)
                .addComponent(jLabel2))
            .addGap(20, Short.MAX_VALUE))
        );
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(32, 32, 32)
            .addComponent(jLabel2)
            .addGap(35, 35, 35)
            .addComponent(lblsmall)
            .addGap(18, 18, 18)
            .addComponent(lblmid)
            .addGap(18, 18, 18)
            .addComponent(lbllarge)
            .addGap(18, 18, 18)
            .addComponent(lblxlarge)
            .addGap(54, Short.MAX_VALUE))

```

```

);

jTable1.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {

        },
    new String [] {
        "Items", "Price", "Quantity", "Total Price"
    }
));
jScrollPane1.setViewportViewView(jTable1);

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel4.setText("Quantity");

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel5.setText("Payment ");

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel6.setText("Balance");

txtbal.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txtbalActionPerformed(evt);
    }
});

text.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
text.setText("Total");

txttotal.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txttotalActionPerformed(evt);
    }
});

remove.setText("Remove");
remove.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
remove.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        removeActionPerformed(evt);
    }
});

jButton2.setText("Print Invoice");
jButton2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

```



```

javax.swing.GroupLayout.PREFERRED_SIZE, 115, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 97, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(remove,
javax.swing.GroupLayout.PREFERRED_SIZE, 99, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(0, 42, Short.MAX_VALUE)))
        .addContainerGap()
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(26, 26, 26)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jLabel14)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(txtqty, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(16, 16, 16)
            .addComponent(jLabel15)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(txtpay, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(24, 24, 24)
            .addComponent(jLabel16)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(txtbal, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(text)
            .addGap(18, 18, 18)
            .addComponent(txttotal, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
0, Short.MAX_VALUE)
            .addComponent(jPanel12, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGap(39, 39, 39)

```

```

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 42,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 42,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(remove, javax.swing.GroupLayout.PREFERRED_SIZE, 42,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(0, 42, Short.MAX_VALUE))
    );

    pack();
} // </editor-fold>

private void lblsmallActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void txtbalActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void txttotalActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

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

    model.removeRow(jTable1.getSelectedRow());
    int sum = 0;
    for(int a=0; a<jTable1.getRowCount(); a++)
    {

        sum = sum + Integer.parseInt(jTable1.getValueAt(a, 3).toString());

    }
    txttotal.setText(Integer.toString(sum));
}

public void sales()
{
    int lastid =0;
    try {

        Class.forName("com.mysql.cj.jdbc.Driver");
        con = DriverManager.getConnection("jdbc:mysql://localhost/pizza","root",
"");

```



```

String total = txttotal.getText();
String bal = txtbal.getText();
String pay = txtpay.getText();
String query = "insert into sales(subtotal,pay,balance)values(?,?,?)";
pst = con.prepareStatement(query,Statement.RETURN_GENERATED_KEYS);

pst.setString(1, total);
pst.setString(2, pay);
pst.setString(3, bal);
pst.executeUpdate();
ResultSet rs = pst.getGeneratedKeys();

if(rs.next())
{
    lastid = rs.getInt(1);
}
int row = jTable1.getRowCount();
String query1 = "insert into
sales_product(sales_id,prodname,price,qty,total)values(?,?,?,?,?)";
pst1 = con.prepareStatement(query1);

String prodname = "";
int price;
int qty;
int tot = 0;

for(int i=0; i<jTable1.getRowCount(); i++)
{
    prodname = (String)jTable1.getValueAt(i, 0);
    price = (int)jTable1.getValueAt(i, 1);
    qty = (int)jTable1.getValueAt(i, 2);
    tot = (int)jTable1.getValueAt(i, 3);

    pst1.setInt(1,lastid);
    pst1.setString(2,prodname);
    pst1.setInt(3,price);
    pst1.setInt(4,qty);
    pst1.setInt(5,tot);
    pst1.executeUpdate();

}

JOptionPane.showMessageDialog(this, "Saless Completeeeeeeddddddd");
HashMap a = new HashMap();
a.put("invo", lastid);

} catch (SQLException ex) {

```

```
        Logger.getLogger(finalProjectForm.class.getName()).log(Level.SEVERE,
null, ex);
    } catch (ClassNotFoundException ex) {
        Logger.getLogger(finalProjectForm.class.getName()).log(Level.SEVERE, null,
ex);
    }
}
```

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

    int tot = Integer.parseInt(txttotal.getText());
    int pay = Integer.parseInt(txtpay.getText());

    int bal = tot-pay;

    txtbal.setText(String.valueOf(bal));

    sales();
}
```

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

    if(lblsmall.isSelected() == true)
    {
        item = "Small";
        price = 200;
    }
    else if(lblmid.isSelected() == true)
    {
        item = "Medium";
        price = 300;
    }
    else if(lbllarge.isSelected() == true)
    {
        item = "Large";
        price = 400;
    }
    else if(lblxlarge.isSelected() == true)
    {
        item = "ExLarge";
        price = 700;
    }
}
```

```

int qty = Integer.parseInt(txtqty.getValue().toString());
int tot = qty * price;

model = (DefaultTableModel)jTable1.getModel();

model.addRow(new Object[]

    {
        item,
        price,
        qty,
        tot

    });
int sum = 0;

for(int a=0; a<jTable1.getRowCount(); a++)
{
    sum = sum + Integer.parseInt(jTable1.getValueAt(a, 3).toString());
}
txttotal.setText(Integer.toString(sum));
}

/**
 * @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(finalProjectForm.class.getName()).log(java.util.logg
ing.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

```

```

java.util.logging.Logger.getLogger(finalProjectForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(finalProjectForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(finalProjectForm.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 finalProjectForm().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
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.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
private javax.swing.JRadioButton lbllarge;
private javax.swing.JRadioButton lblmid;
private javax.swing.JRadioButton lblsmall;
private javax.swing.JRadioButton lblxlarge;
private javax.swing.JButton remove;
private javax.swing.JLabel text;
private javax.swing.JTextField txtbal;
private javax.swing.JTextField txtpay;
private javax.swing.JSpinner txtqty;
private javax.swing.JTextField txttotal;
// End of variables declaration
}

```