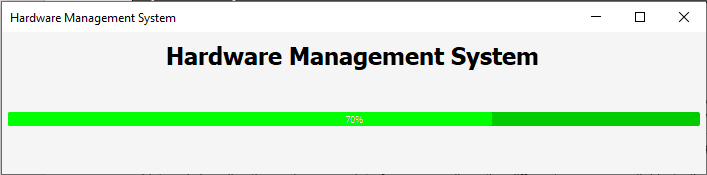
**Hardware Management System Project Document**

**Graphical User Interfaces-**

**Splash**



***Codes***

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

*try {*

*IntelliJTheme.setup( Splash.class.getResourceAsStream("/themes/arc-theme.theme.json" ) );*

*} catch (Exception e) {*

*}*

*/\* Create and display the form \*/*

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

*public void run() {*

*Splash s = new Splash();*

*s.setVisible(true);*

*Thread t = new Thread(()->{*

*for(int i=0; i<=100; i++){*

*s.jProgressBar1.setValue(i);*

*try{*

*Thread.sleep(50);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*SignIn s1 = new SignIn();*

*s1.setVisible(true);*

*s.dispose();*

*});*

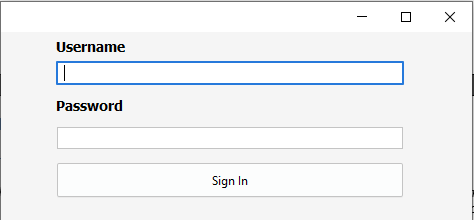
*t.start();*

*}*

*});*

*}*

**SignIN**

****

***Codes***

*public static int userId = 0;*

*public SignIn() {*

*initComponents();*

*}*

***Sign In button***

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

*// TODO add your handling code here:*

*char passwordArray[] = jPasswordField1.getPassword();*

*String password = String.valueOf(passwordArray);*

*if(jTextField1.getText().isEmpty()){*

*JOptionPane.showMessageDialog(this, "Please enter Your UserName", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(password.isEmpty()){*

*JOptionPane.showMessageDialog(this, "enter your password", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*String username = jTextField1.getText();*

*try{*

*ResultSet resultset = MySQL.search("SELECT \* FROM `user` INNER JOIN `user\_status` ON `user`.`user\_status\_id`=`user\_status`.`id` WHERE `user`.`username`='"+username+"' AND `user`.`password`='"+password+"' AND `user\_status`.`name`='Active'");*

*if(resultset.next()){*

*// JOptionPane.showMessageDialog(this, "Sign in success", "success", JOptionPane.WARNING\_MESSAGE);*

*userId = Integer.parseInt(resultset.getString("id"));*

*System.out.println(userId);*

*Home home = new Home();*

*home.setVisible(true);*

*home.jLabel2.setText(username);*

*ResultSet resultset2 = MySQL.search("SELECT `user\_type`.`name` AS `user\_type` FROM `user` INNER JOIN `user\_type` ON `user`.`usertype\_id`=`user\_type`.`id` WHERE `username`='"+username+"'");*

*resultset2.next();*

*if(!resultset2.getString("user\_type").equals("Admin")){*

*home.jButton1.setEnabled(false);*

*home.jButton9.setEnabled(false);*

*home.jButton11.setEnabled(false);*

*}*

*this.dispose();*

*}else{*

*JOptionPane.showMessageDialog(this, "Invalid Username or password", "warning", JOptionPane.WARNING\_MESSAGE);*

*}*

*}catch(Exception e){*

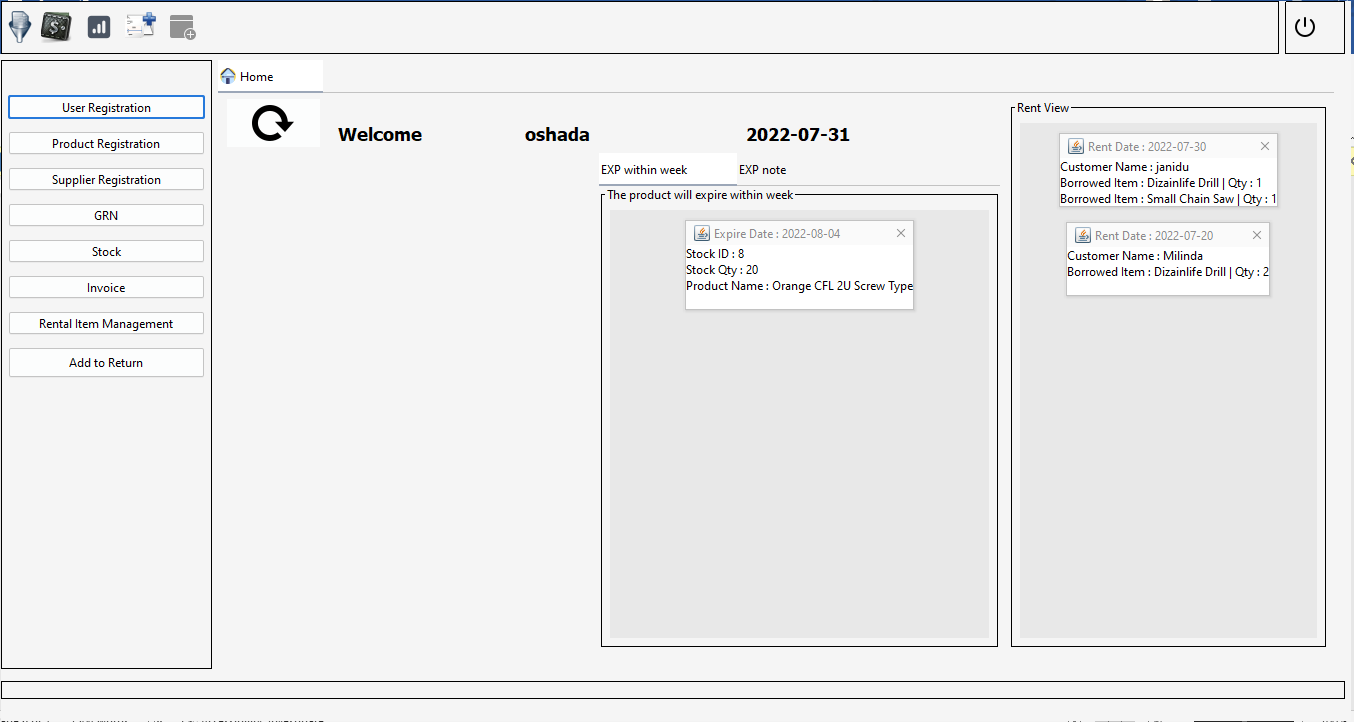
*e.printStackTrace();*

*}*

*}*

*}*

**Home**

****

***Codes***

*public Home() {*

*UIManager.put("TabbedPane.tabInsets", new Insets(2, 2, 2, 50));*

*initComponents();*

*viewRentHome();*

*dateToday();*

*viewExpireWithinWeek();*

*viewExpiredProduct();*

*}*

*private void dateToday() {*

*Thread t = new Thread(new Runnable(){*

*@Override*

*public void run() {*

*SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");*

*while(true){*

*Date d= new Date();*

*String date = sdf.format(d);*

*jLabel3.setText(""+date);*

*try {*

*Thread.sleep(1000);*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*}*

*});*

*t.start();*

*}*

*public void viewRentHome(){*

*try {*

*ResultSet rs1 = MySQL.search("SELECT `customer`.`name` AS `c\_name`, `rent`.`rent\_date`,`rent`.`id` FROM `rent` INNER JOIN `customer` ON `rent`.`customer\_id`=`customer`.`id` WHERE `rent`.`stat`='0' ORDER BY `rent`.`id` ASC");*

*while(rs1.next()){*

*JInternalFrame jf = new JInternalFrame("Rent Date : "+rs1.getString("rent\_date") , true, true, false, false);*

*FlowLayout fl = new FlowLayout();*

*GridLayout gl = new GridLayout(3, 1);*

*jf.setLayout(gl);*

*jf.setSize(50, 100);*

*Container cnt = jf.getContentPane( ) ;*

*cnt.add(new JLabel("Customer Name : "+rs1.getString("c\_name")));*

*ResultSet rs2 = MySQL.search("SELECT `rental\_item\_stock`.`name` AS `name`,`item\_rent`.`qty` FROM `item\_rent` INNER JOIN `rental\_item\_stock` ON `item\_rent`.`rental\_item\_stock\_id`=`rental\_item\_stock`.`id` WHERE `rent\_id`='"+rs1.getString("id")+"'");*

*while(rs2.next()){*

*cnt.add(new JLabel("Borrowed Item : "+rs2.getString("name")+" | Qty : "+rs2.getString("qty")));*

*}*

*jDesktopPane1.add( jf );*

*jf.setVisible(true);*

*}*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*public void viewExpireWithinWeek(){*

*try {*

*SimpleDateFormat sdf1 = new SimpleDateFormat("yyyy-MM-dd");*

*String dNow = sdf1.format(new Date());*

*LocalDate date = LocalDate.parse(dNow);*

*LocalDate date2 = date.plusDays(7);*

*ResultSet rs = MySQL.search("SELECT `stock`.`id`,`stock`.`quantity`,`stock`.`exd`,`product`.`name` AS `product` FROM `stock` INNER JOIN `product` ON `stock`.`product\_id`=`product`.`id` WHERE `stock`.`exd`>='"+dNow+"' AND `stock`.`exd`<='"+date2+"' ORDER BY `stock`.`exd` DESC");*

*while(rs.next()){*

*JInternalFrame jf = new JInternalFrame("Expire Date : "+rs.getString("exd") , true, true, false, false);*

*FlowLayout fl = new FlowLayout();*

*GridLayout gl = new GridLayout(4, 1);*

*jf.setLayout(gl);*

*jf.setSize(50, 100);*

*Container cnt = jf.getContentPane( ) ;*

*cnt.add(new JLabel("Stock ID : "+rs.getString("id")));*

*cnt.add(new JLabel("Stock Qty : "+rs.getString("quantity")));*

*cnt.add(new JLabel("Product Name : "+rs.getString("product")));*

*jDesktopPane2.add( jf );*

*jf.setVisible(true);*

*}*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*public void viewExpiredProduct(){*

*try {*

*SimpleDateFormat sdf1 = new SimpleDateFormat("yyyy-MM-dd");*

*String dNow = sdf1.format(new Date());*

*LocalDate date = LocalDate.parse(dNow);*

*ResultSet rse = MySQL.search("SELECT `stock`.`id`,`stock`.`quantity`,`stock`.`exd`,`product`.`name` AS `product` FROM `stock` INNER JOIN `product` ON `stock`.`product\_id`=`product`.`id` WHERE `stock`.`exd`<='"+dNow+"' AND `stock`.`quantity` > '0' ORDER BY `stock`.`exd` DESC");*

*while(rse.next()){*

*JInternalFrame jf = new JInternalFrame("Expire Date : "+rse.getString("exd") , true, true, false, false);*

*FlowLayout fl = new FlowLayout();*

*GridLayout gl = new GridLayout(4, 1);*

*jf.setLayout(gl);*

*jf.setSize(50, 100);*

*Container cnt = jf.getContentPane( ) ;*

*cnt.add(new JLabel("Stock ID : "+rse.getString("id")));*

*cnt.add(new JLabel("Stock Qty : "+rse.getString("quantity")));*

*cnt.add(new JLabel("Product Name : "+rse.getString("product")));*

*jDesktopPane3.add( jf );*

*jf.setVisible(true);*

*}*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

***User Registration Btn***

*boolean urIn = true;*

*int urIndex=-1;*

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

*// TODO add your handling code here:*

*if(urIn){*

*urIn=false;*

*UserRegistration ur = new UserRegistration();*

*jTabbedPane1.addTab("User Registration",ur);*

*urIndex = jTabbedPane1.getTabCount()-1;*

*jTabbedPane1.setSelectedIndex(urIndex);*

*}else{*

*jTabbedPane1.setSelectedIndex(urIndex);*

*}*

*}*

***Product Registration Btn***

*boolean prIn = true;*

*int prIndex=-1;*

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

*// TODO add your handling code here:*

*if(prIn){*

*prIn=false;*

*ProductRegistration pr = new ProductRegistration();*

*jTabbedPane1.addTab("Product Registration",pr);*

*prIndex = jTabbedPane1.getTabCount()-1;*

*jTabbedPane1.setSelectedIndex(prIndex);*

*}else{*

*jTabbedPane1.setSelectedIndex(prIndex);*

*}*

*}*

***Supplier Registration***

*boolean srIn = true;*

*int srIndex=-1;*

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

*// TODO add your handling code here:*

*if(srIn){*

*srIn=false;*

*SupplierRegistration sr = new SupplierRegistration();*

*jTabbedPane1.addTab("Supplier Registration",sr);*

*srIndex = jTabbedPane1.getTabCount()-1;*

*jTabbedPane1.setSelectedIndex(srIndex);*

*}else{*

*jTabbedPane1.setSelectedIndex(srIndex);*

*}*

*}*

***GRN Btn***

*boolean grnIn = true;*

*int grnIndex=-1;*

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

*// TODO add your handling code here:*

*if(grnIn){*

*grnIn=false;*

*GRN grn = new GRN();*

*jTabbedPane1.addTab("GRN",grn);*

*grnIndex = jTabbedPane1.getTabCount()-1;*

*jTabbedPane1.setSelectedIndex(grnIndex);*

*}else{*

*jTabbedPane1.setSelectedIndex(grnIndex);*

*}*

*}*

***Stock Btn***

*boolean stockIn = true;*

*int stockIndex=-1;*

*private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {*

*// TODO add your handling code here:*

*if(stockIn){*

*stockIn=false;*

*Stock stock = new Stock();*

*jTabbedPane1.addTab("Stock",stock);*

*stockIndex = jTabbedPane1.getTabCount()-1;*

*jTabbedPane1.setSelectedIndex(stockIndex);*

*}else{*

*jTabbedPane1.setSelectedIndex(stockIndex);*

*}*

*}*

***Invoice Btn***

*boolean invoiceIn = true;*

*int invoiceIndex=-1;*

*private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {*

*// TODO add your handling code here:*

*if(invoiceIn){*

*invoiceIn=false;*

*Invoice invoice = new Invoice();*

*jTabbedPane1.addTab("Invoice",invoice);*

*invoiceIndex = jTabbedPane1.getTabCount()-1;*

*jTabbedPane1.setSelectedIndex(invoiceIndex);*

*}else{*

*jTabbedPane1.setSelectedIndex(invoiceIndex);*

*}*

*}*

***Rental Item Management Btn***

*boolean rentIn = true;*

*int rentIndex=-1;*

*private void jButton8ActionPerformed(java.awt.event.ActionEvent evt) {*

*// TODO add your handling code here:*

*if(rentIn){*

*rentIn=false;*

*Rent rent = new Rent(this);*

*jTabbedPane1.addTab("Rent Management",rent);*

*rentIndex = jTabbedPane1.getTabCount()-1;*

*jTabbedPane1.setSelectedIndex(rentIndex);*

*}else{*

*jTabbedPane1.setSelectedIndex(rentIndex);*

*}*

*}*

***Add to Return Btn***

*boolean returnIn = true;*

*int returnIndex=-1;*

*private void jButton10ActionPerformed(java.awt.event.ActionEvent evt) {*

*// TODO add your handling code here:*

*if(returnIn){*

*returnIn=false;*

*ReturnStockManagement rsm = new ReturnStockManagement();*

*jTabbedPane1.addTab("Add to Return",rsm);*

*returnIndex = jTabbedPane1.getTabCount()-1;*

*jTabbedPane1.setSelectedIndex(returnIndex);*

*}else{*

*jTabbedPane1.setSelectedIndex(returnIndex);*

*}*

*}*

***Close all tab Btn***

*int clrCount;*

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

*// TODO add your handling code here:*

*clrCount = jTabbedPane1.getTabCount();*

*int x=0;*

*for(int i = 1; i < clrCount; i++){*

*jTabbedPane1.remove(1);*

*x = x+1;*

*if(x >= clrCount-1){*

*break;*

*}*

*}*

*srIn =true;*

*prIn = true;*

*urIn = true;*

*grnIn = true;*

*stockIn = true;*

*invoiceIn = true;*

*rentIn = true;*

*returnIn = true;*

*}*

***Income and Expenses Btn***

*private void jButton9ActionPerformed(java.awt.event.ActionEvent evt) {*

*// TODO add your handling code here:*

*IncomeAndExpenses iae = new IncomeAndExpenses();*

*iae.setVisible(true);*

*}*

***Buying and selling Qty Btn***

*private void jButton11ActionPerformed(java.awt.event.ActionEvent evt) {*

*// TODO add your handling code here:*

*SellingQtyCal sqc = new SellingQtyCal();*

*sqc.setVisible(true);*

*}*

***Previous Invoice Btn***

*private void jButton15ActionPerformed(java.awt.event.ActionEvent evt) {*

*// TODO add your handling code here:*

*SearchInvoiceDetail sid = new SearchInvoiceDetail();*

*sid.setVisible(true);*

*}*

***Previouse GRN btn***

*private void jButton16ActionPerformed(java.awt.event.ActionEvent evt) {*

*// TODO add your handling code here:*

*SearchGRNDetail sgd = new SearchGRNDetail();*

*sgd.setVisible(true);*

*}*

***Reset Btn***

*private void jButton13ActionPerformed(java.awt.event.ActionEvent evt) {*

*// TODO add your handling code here:*

*jDesktopPane1.removeAll();*

*jDesktopPane1.revalidate();*

*jDesktopPane1.repaint();*

*viewRentHome();*

*jDesktopPane2.removeAll();*

*jDesktopPane2.revalidate();*

*jDesktopPane2.repaint();*

*viewExpireWithinWeek();*

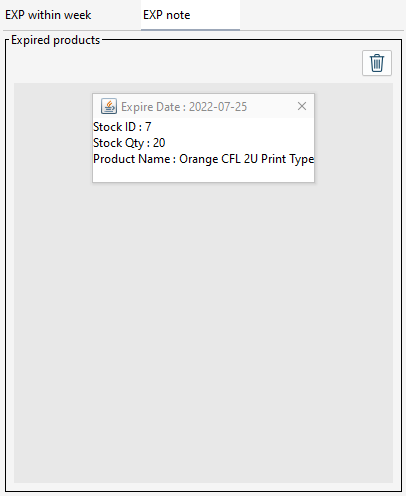
*jDesktopPane3.removeAll();*

*jDesktopPane3.revalidate();*

*jDesktopPane3.repaint();*

*viewExpiredProduct();*

*}*



***Expire item delete Btn***

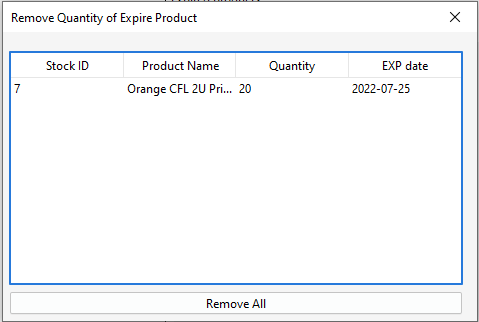
*private void jButton14ActionPerformed(java.awt.event.ActionEvent evt) {*

*// TODO add your handling code here:*

*DeleteEXP dexp = new DeleteEXP(this);*

*dexp.setVisible(true);*

*}*



***Codes***

*public DeleteEXP(java.awt.Frame parent, boolean modal) {*

*super(parent, modal);*

*initComponents();*

*loadExpireProduct();*

*}*

*Home home;*

*public DeleteEXP(Home home) {*

*initComponents();*

*this.home = home;*

*loadExpireProduct();*

*}*

*public void loadExpireProduct(){*

*try {*

*SimpleDateFormat sdf1 = new SimpleDateFormat("yyyy-MM-dd");*

*String dNow = sdf1.format(new Date());*

*LocalDate date = LocalDate.parse(dNow);*

*ResultSet rse = MySQL.search("SELECT `stock`.`id`,`stock`.`quantity`,`stock`.`exd`,`product`.`name` AS `product` FROM `stock` INNER JOIN `product` ON `stock`.`product\_id`=`product`.`id` WHERE `stock`.`exd`<='"+dNow+"' AND `stock`.`quantity` > '0' ORDER BY `stock`.`exd` DESC");*

*DefaultTableModel dtm = (DefaultTableModel)jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rse.next()){*

*Vector v = new Vector();*

*v.add(rse.getString("id"));*

*v.add(rse.getString("product"));*

*v.add(rse.getString("quantity"));*

*v.add(rse.getString("exd"));*

*dtm.addRow(v);*

*}*

*jTable1.setModel(dtm);*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

***Table mouse clicked***

*private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {*

*// TODO add your handling code here:*

*if(evt.getClickCount()==2){*

*int r = jTable1.getSelectedRow();*

*if(r==-1){*

*JOptionPane.showMessageDialog(this, "Pleace select a Item", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*int option = JOptionPane.showConfirmDialog(this, "Do you want to remove quantity of selected product?", "confirmation", JOptionPane.YES\_NO\_OPTION, JOptionPane.INFORMATION\_MESSAGE);*

*if(option == JOptionPane.YES\_OPTION){*

*MySQL.iud("UPDATE `stock` SET `quantity`='0' WHERE `id`='"+jTable1.getValueAt(r, 0).toString()+"'");*

*JOptionPane.showMessageDialog(this, "Stock quantity removed from selected.", "success", JOptionPane.INFORMATION\_MESSAGE);*

*loadExpireProduct();*

*home.jDesktopPane3.removeAll();*

*home.jDesktopPane3.revalidate();*

*home.jDesktopPane3.repaint();*

*home.viewExpiredProduct();*

*}*

*}*

*}*

*}*

***Remove All Btn***

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

*// TODO add your handling code here:*

*int rc = jTable1.getRowCount();*

*if(rc!=0){*

*int option = JOptionPane.showConfirmDialog(this, "Do you want to remove quantity of all expire product?", "confirmation", JOptionPane.YES\_NO\_OPTION, JOptionPane.INFORMATION\_MESSAGE);*

*if(option == JOptionPane.YES\_OPTION){*

*for(int i=0; i<rc; i++){*

*MySQL.iud("UPDATE `stock` SET `quantity`='0' WHERE `id`='"+jTable1.getValueAt(i, 0).toString()+"'");*

*}*

*JOptionPane.showMessageDialog(this, "Stock quantity removed from expire products.", "success", JOptionPane.INFORMATION\_MESSAGE);*

*loadExpireProduct();*

*home.jDesktopPane3.removeAll();*

*home.jDesktopPane3.revalidate();*

*home.jDesktopPane3.repaint();*

*home.viewExpiredProduct();*

*}*

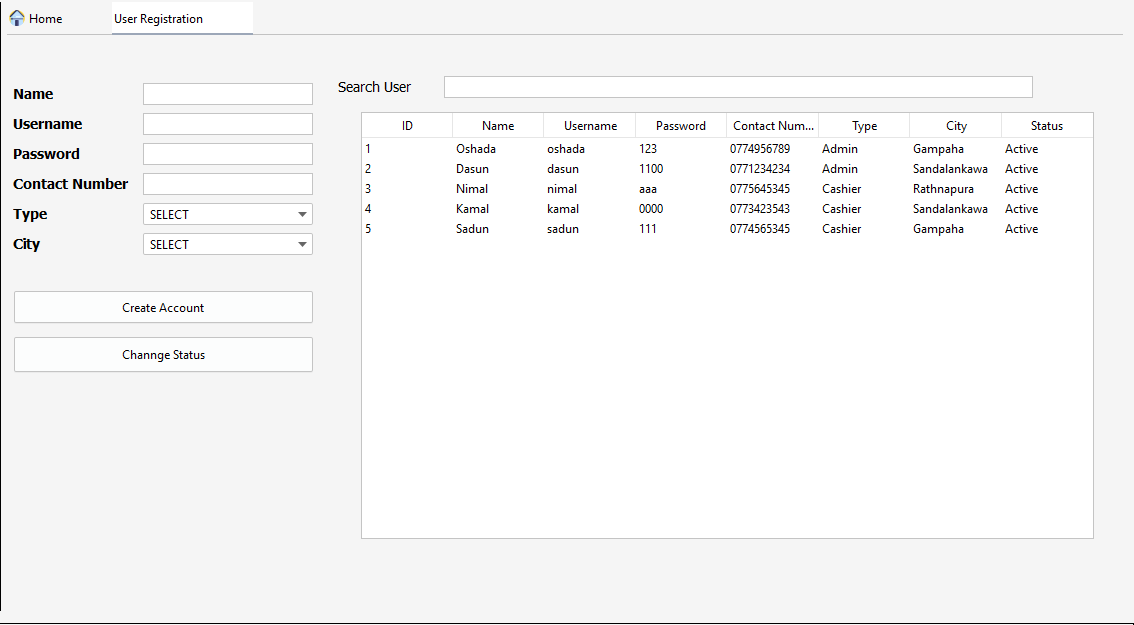
*}else{*

*JOptionPane.showMessageDialog(this, "There is no expire product for remove.", "information", JOptionPane.INFORMATION\_MESSAGE);*

*}*

*}*

**User Registration**

****

***Codes***

*public void loadUsers(){*

*try{*

*ResultSet rs = MySQL.search("SELECT `user`.`id`,`user`.`name`,`user`.`username`,`user`.`password`,`user`.`contact\_number`,`city`.`name` AS \n" +*

*"`city\_name`, `user\_status`.`name` AS `user\_status`, `user\_type`.`name` AS `user\_type` FROM `user` INNER JOIN `city` ON `user`.`city\_id`=`city`.`id` INNER JOIN `user\_type` \n" +*

*"ON `user`.`usertype\_id`=`user\_type`.`id` INNER JOIN `user\_status` ON `user`.`user\_status\_id`=`user\_status`.`id` ORDER BY `user`.`id` ASC");*

*DefaultTableModel dtm = (DefaultTableModel)jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("id"));*

*v.add(rs.getString("name"));*

*v.add(rs.getString("username"));*

*v.add(rs.getString("password"));*

*v.add(rs.getString("contact\_number"));*

*v.add(rs.getString("user\_type"));*

*v.add(rs.getString("city\_name"));*

*v.add(rs.getString("user\_status"));*

*dtm.addRow(v);*

*}*

*jTable1.setModel(dtm);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void loadUsers(String text){*

*try{*

*ResultSet rs = MySQL.search("SELECT `user`.`id`,`user`.`name`,`user`.`username`,`user`.`password`,`user`.`contact\_number`,`city`.`name` AS `city\_name`, `user\_status`.`name` AS `user\_status`, `user\_type`.`name` AS `user\_type` FROM `user` INNER JOIN `city` ON `user`.`city\_id`=`city`.`id` INNER JOIN `user\_type` ON `user`.`usertype\_id`=`user\_type`.`id` INNER JOIN `user\_status` ON `user`.`user\_status\_id`=`user\_status`.`id` WHERE `user`.`name` LIKE '"+text+"%'OR `user`.`contact\_number` LIKE '"+text+"%' ORDER BY `user`.`id` ASC");*

*DefaultTableModel dtm = (DefaultTableModel)jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("id"));*

*v.add(rs.getString("name"));*

*v.add(rs.getString("username"));*

*v.add(rs.getString("password"));*

*v.add(rs.getString("contact\_number"));*

*v.add(rs.getString("user\_type"));*

*v.add(rs.getString("city\_name"));*

*v.add(rs.getString("user\_status"));*

*dtm.addRow(v);*

*}*

*jTable1.setModel(dtm);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void loadType(){*

*try{*

*ResultSet rs=MySQL.search("SELECT \* FROM `user\_type`");*

*Vector v = new Vector();*

*v.add("SELECT");*

*while(rs.next()){*

*v.add(rs.getString("name"));*

*}*

*DefaultComboBoxModel dcm = new DefaultComboBoxModel(v);*

*jComboBox1.setModel(dcm);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void loadCities(){*

*try{*

*ResultSet rs=MySQL.search("SELECT \* FROM `city`");*

*Vector v = new Vector();*

*v.add("SELECT");*

*while(rs.next()){*

*v.add(rs.getString("name"));*

*}*

*DefaultComboBoxModel dcm = new DefaultComboBoxModel(v);*

*jComboBox2.setModel(dcm);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void setStatusButtonListener(){*

*ListSelectionListener ls1 = new ListSelectionListener() {*

*@Override*

*public void valueChanged(ListSelectionEvent e) {*

*int selectedRow = jTable1.getSelectedRow();*

*if(selectedRow != -1){*

*String id= jTable1.getValueAt(selectedRow, 0).toString();*

*if(id.equals("1")){*

*jButton1.setEnabled(false);*

*}else{*

*jButton1.setEnabled(true);*

*}*

*}*

*}*

*};*

*jTable1.getSelectionModel().addListSelectionListener(ls1);*

*}*

*public void resetFields(){*

*jTextField1.setText("");*

*jTextField2.setText("");*

*jTextField3.setText("");*

*jPasswordField1.setText("");*

*jTextField4.setText("");*

*jComboBox1.setSelectedIndex(0);*

*jComboBox2.setSelectedIndex(0);*

*jTextField1.grabFocus();*

*}*

*/\*\**

*\* Creates new form UserRegistration*

*\*/*

*public UserRegistration() {*

*initComponents();*

*setStatusButtonListener();*

*loadUsers();*

*loadType();*

*loadCities();*

*}*

***Button and Component***

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

*// TODO add your handling code here:*

*String name = jTextField1.getText();*

*String username = jTextField2.getText();*

*String password = jPasswordField1.getText();*

*String mobile = jTextField3.getText();*

*String type = jComboBox1.getSelectedItem().toString();*

*String city = jComboBox2.getSelectedItem().toString();*

*if(name.isEmpty()){*

*JOptionPane.showMessageDialog(this, "Please enter name", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(username.isEmpty()){*

*JOptionPane.showMessageDialog(this, "Please enter username", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(password.isEmpty()){*

*JOptionPane.showMessageDialog(this, "Please enter password", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("07[01245678][0-9]+").matcher(mobile).matches()){*

*JOptionPane.showMessageDialog(this, "Please enter mobile", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(type.equals("SELECT")){*

*JOptionPane.showMessageDialog(this, "Please enter user type", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(city.equals("SELECT")){*

*JOptionPane.showMessageDialog(this, "Please enter city", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*try{*

*ResultSet rs1 = MySQL.search("SELECT `id` FROM `city` WHERE `name`='"+city+"'");*

*rs1.next();*

*ResultSet rs2 = MySQL.search("SELECT `id` FROM `user\_type` WHERE `name`='"+type+"'");*

*rs2.next();*

*String city\_id = rs1.getString("id");*

*String type\_id = rs2.getString("id");*

*MySQL.iud("INSERT INTO `user`(`name`,`username`,`password`,`contact\_number`,`usertype\_id`,`city\_id`) VALUES('"+name+"','"+username+"','"+password+"','"+mobile+"',"+Integer.parseInt(type\_id)+","+Integer.parseInt(city\_id)+")");*

*loadUsers();*

*resetFields();*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*}*

*private void jTextField3KeyReleased(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*if(jTextField3.getText().length()==10){*

*jTextField3.setEditable(false);*

*}*

*}*

*private void jTextField3MouseClicked(java.awt.event.MouseEvent evt) {*

*// TODO add your handling code here:*

*if(evt.getClickCount()==2){*

*jTextField3.setEditable(true);*

*jTextField3.setText("");*

*jTextField3.grabFocus();*

*}*

*}*

*private void jTextField3KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String mobile = jTextField3.getText();*

*String text = mobile + evt.getKeyChar();*

*if(text.length()==1){*

*if(!text.equals("0")){*

*evt.consume();*

*}*

*}else if(text.length()==2){*

*if(!Pattern.compile("0[137]").matcher(text).matches()){*

*evt.consume();*

*}*

*}else if(text.length()==3){*

*if(!Pattern.compile("07[01245678]|011|033").matcher(text).matches()){*

*evt.consume();*

*}*

*}else if(text.length()<=10){*

*if(!Pattern.compile("0[137][012345678][0-9]+").matcher(text).matches()){*

*evt.consume();*

*}*

*}else{*

*evt.consume();*

*}*

*}*

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

*// TODO add your handling code here:*

*int selectedRow = jTable1.getSelectedRow();*

*if(selectedRow == -1){*

*JOptionPane.showMessageDialog(this, "Please select a user", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*String id = jTable1.getValueAt(selectedRow, 0).toString();*

*if(id == "1"){*

*JOptionPane.showMessageDialog(this, "Cant change status of the supper Addmin", "Warning", JOptionPane.ERROR);*

*}else{*

*String currentStatus = jTable1.getValueAt(selectedRow, 7).toString();*

*int status = 1;*

*if(currentStatus.equals("Active")){*

*status = 2;*

*}else{*

*status = 1;*

*}*

*MySQL.iud("UPDATE `user` SET `user\_status\_id`="+status+" WHERE `id`="+Integer.parseInt(id)+"");*

*loadUsers();*

*JOptionPane.showMessageDialog(this, "User status update ", "Success", JOptionPane.INFORMATION\_MESSAGE);*

*}*

*}*

*}*

*private void jTextField4KeyReleased(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String text = jTextField4.getText();*

*loadUsers(text);*

*}*

*private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String name = jTextField1.getText();*

*String text = name + evt.getKeyChar();*

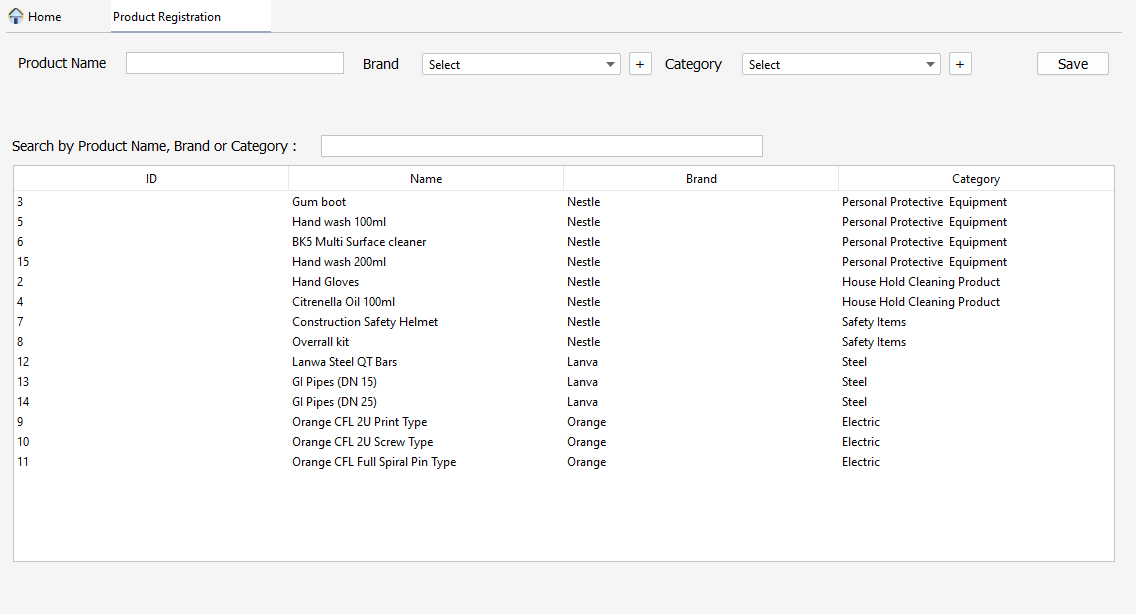
*if(!Pattern.compile("[a-z A-Z]\*").matcher(text).matches()){*

*evt.consume();*

*}*

*}*

**Product Registration**

****

***Codes***

*public ProductRegistration() {*

*initComponents();*

*loadBrands();*

*loadCategory();*

*loadProduct();*

*}*

*public void loadBrands(){*

*try{*

*ResultSet rs =MySQL.search("SELECT `name` FROM `brand`");*

*Vector v = new Vector();*

*v.add("Select");*

*while(rs.next()){*

*v.add(rs.getString("name"));*

*}*

*jComboBox1.setModel(new DefaultComboBoxModel(v));*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void loadCategory(){*

*try{*

*ResultSet rs =MySQL.search("SELECT `name` FROM `category`");*

*Vector v = new Vector();*

*v.add("Select");*

*while(rs.next()){*

*v.add(rs.getString("name"));*

*}*

*jComboBox2.setModel(new DefaultComboBoxModel(v));*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void loadProduct(){*

*try{*

*ResultSet rs = MySQL.search("SELECT \* FROM `product` INNER JOIN `brand` ON `product`.`brand\_id`=`brand`.`id` INNER JOIN `category` ON `product`.`category\_id`=`category`.`id`");*

*DefaultTableModel dtm = (DefaultTableModel) jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("id"));*

*v.add(rs.getString("name"));*

*v.add(rs.getString("brand.name"));*

*v.add(rs.getString("category.name"));*

*dtm.addRow(v);*

*}*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void loadProduct(String text){*

*try{*

*ResultSet rs = MySQL.search("SELECT \* FROM `product` INNER JOIN `brand` ON `product`.`brand\_id`=`brand`.`id` INNER JOIN `category` ON `product`.`category\_id`=`category`.`id` WHERE `product`.`name` LIKE '%"+text+"%' OR `brand`.`name` LIKE '%"+text+"%' OR `category`.`name` LIKE '%"+text+"%' ORDER BY `product`.`name` DESC");*

*DefaultTableModel dtm = (DefaultTableModel) jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("id"));*

*v.add(rs.getString("name"));*

*v.add(rs.getString("brand.name"));*

*v.add(rs.getString("category.name"));*

*dtm.addRow(v);*

*}*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

***Button And Component***

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

*// TODO add your handling code here:*

*if(jTextField1.getText().isEmpty()){*

*JOptionPane.showMessageDialog(this, "please enter product name", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(jComboBox1.getSelectedIndex()== 0){*

*JOptionPane.showMessageDialog(this, "please select brand", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(jComboBox2.getSelectedIndex()== 0){*

*JOptionPane.showMessageDialog(this, "please select category", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*String name = jTextField1.getText();*

*String brand = jComboBox1.getSelectedItem().toString();*

*String category = jComboBox2.getSelectedItem().toString();*

*try {*

*ResultSet rs = MySQL.search("SELECT \* FROM `product` INNER JOIN `brand` ON `product`.`brand\_id`=`brand`.`id` INNER JOIN `category` ON `product`.`category\_id`=`category`.`id` WHERE `product`.`name`='"+name+"' AND `brand`.`name`='"+brand+"' AND `category`.`name`='"+category+"'");*

*if(rs.next()){*

*JOptionPane.showMessageDialog(this, "product alresdy exist", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*ResultSet rs1 = MySQL.search("SELECT `id` FROM `brand` WHERE `name`='"+brand+"'");*

*rs1.next();*

*ResultSet rs2 = MySQL.search("SELECT `id` FROM `category` WHERE `name`='"+category+"'");*

*rs2.next();*

*String brand\_id = rs1.getString("id");*

*String category\_id = rs2.getString("id");*

*MySQL.iud("INSERT INTO `product`(`name`,`category\_id`,`brand\_id`) VALUES('"+name+"','"+category\_id+"','"+brand\_id+"')");*

*loadProduct();*

*jTextField1.setText("");*

*jComboBox1.setSelectedIndex(0);*

*jComboBox2.setSelectedIndex(0);*

*JOptionPane.showMessageDialog(this, "new product added", "success", JOptionPane.INFORMATION\_MESSAGE);*

*}*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*}*

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

*// TODO add your handling code here:*

*BrandRegistration br = new BrandRegistration(this);*

*br.setVisible(true);*

*}*

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

*//TODO add your handling code here:*

*CategoryRegistration cr = new CategoryRegistration(this);*

*cr.setVisible(true);*

*}*

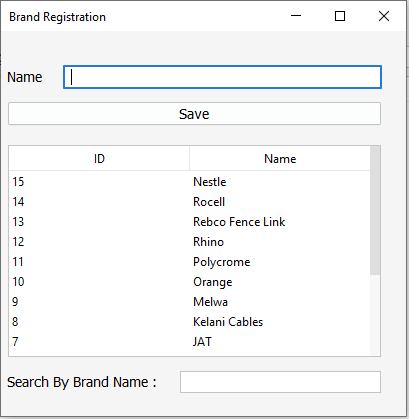
*private void jTextField2KeyReleased(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*loadProduct(jTextField2.getText());*

*}*

**Brand registration**



***Code***

*public BrandRegistration() {*

*initComponents();*

*}*

*ProductRegistration pr;*

*public BrandRegistration(ProductRegistration parent) {*

*this.pr = (ProductRegistration)parent;*

*initComponents();*

*loadBrands();*

*}*

*ProductRegistration1 pr1;*

*public BrandRegistration(ProductRegistration1 parent) {*

*this.pr1 = parent;*

*initComponents();*

*loadBrands();*

*}*

*public void loadBrands(){*

*try{*

*ResultSet rs = MySQL.search("SELECT \* FROM `brand` ORDER BY `brand`.`id` DESC");*

*DefaultTableModel dtm = (DefaultTableModel) jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("id"));*

*v.add(rs.getString("name"));*

*dtm.addRow(v);*

*}*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void loadBrands(String text){*

*try{*

*ResultSet rs = MySQL.search("SELECT \* FROM `brand` WHERE `brand`.`name` LIKE '%"+text+"%' ORDER BY `brand`.`id` DESC");*

*DefaultTableModel dtm = (DefaultTableModel) jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("id"));*

*v.add(rs.getString("name"));*

*dtm.addRow(v);*

*}*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

***Button and Components***

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

*// TODO add your handling code here:*

*String name = jTextField1.getText();*

*if(name.isEmpty()){*

*JOptionPane.showMessageDialog(this, "please enter brand name", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*try{*

*ResultSet rs = MySQL.search("SELECT \* FROM `brand` WHERE `name`='"+name+"'");*

*if(rs.next()){*

*JOptionPane.showMessageDialog(this, "brand name alreay exist", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*MySQL.iud("INSERT INTO `brand`(`name`) VALUE('"+name+"')");*

*loadBrands();*

*if(this.pr != null){*

*this.pr.loadBrands();*

*}else if(this.pr1 != null){*

*this.pr1.loadBrands();*

*}*

*jTextField1.setText("");*

*jTextField1.grabFocus();*

*JOptionPane.showMessageDialog(this, "success", "success", JOptionPane.INFORMATION\_MESSAGE);*

*}*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*}*

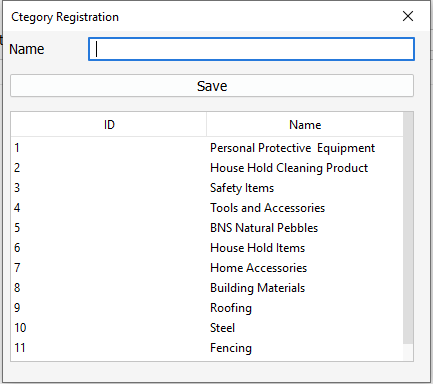
*private void jTextField2KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*loadBrands(jTextField2.getText());*

*}*

**Category registration**



***Codes***

*ProductRegistration1 pr1;*

*public CategoryRegistration(java.awt.Frame parent, boolean modal) {*

*super(parent, modal);*

*this.pr1 = (ProductRegistration1)parent;*

*initComponents();*

*loadCategory();*

*}*

*ProductRegistration pr;*

*public CategoryRegistration(ProductRegistration parent) {*

*this.pr = (ProductRegistration)parent;*

*initComponents();*

*loadCategory();*

*}*

*public void loadCategory(){*

*try{*

*ResultSet rs = MySQL.search("SELECT \* FROM `category`");*

*DefaultTableModel dtm = (DefaultTableModel) jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("id"));*

*v.add(rs.getString("name"));*

*dtm.addRow(v);*

*}*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

***Button and Components***

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

*// TODO add your handling code here:*

*String name = jTextField1.getText();*

*if(name.isEmpty()){*

*JOptionPane.showMessageDialog(this, "please enter categoty name", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*try{*

*ResultSet rs = MySQL.search("SELECT \* FROM `category` WHERE `name`='"+name+"'");*

*if(rs.next()){*

*JOptionPane.showMessageDialog(this, "category name alreay exist", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*MySQL.iud("INSERT INTO `category`(`name`) VALUE('"+name+"')");*

*loadCategory();*

*if(this.pr != null){*

*this.pr.loadCategory();*

*}else if(this.pr1 != null){*

*this.pr1.loadCategory();*

*}*

*jTextField1.setText("");*

*jTextField1.grabFocus();*

*JOptionPane.showMessageDialog(this, "success", "success", JOptionPane.INFORMATION\_MESSAGE);*

*}*

*}catch(Exception e){*

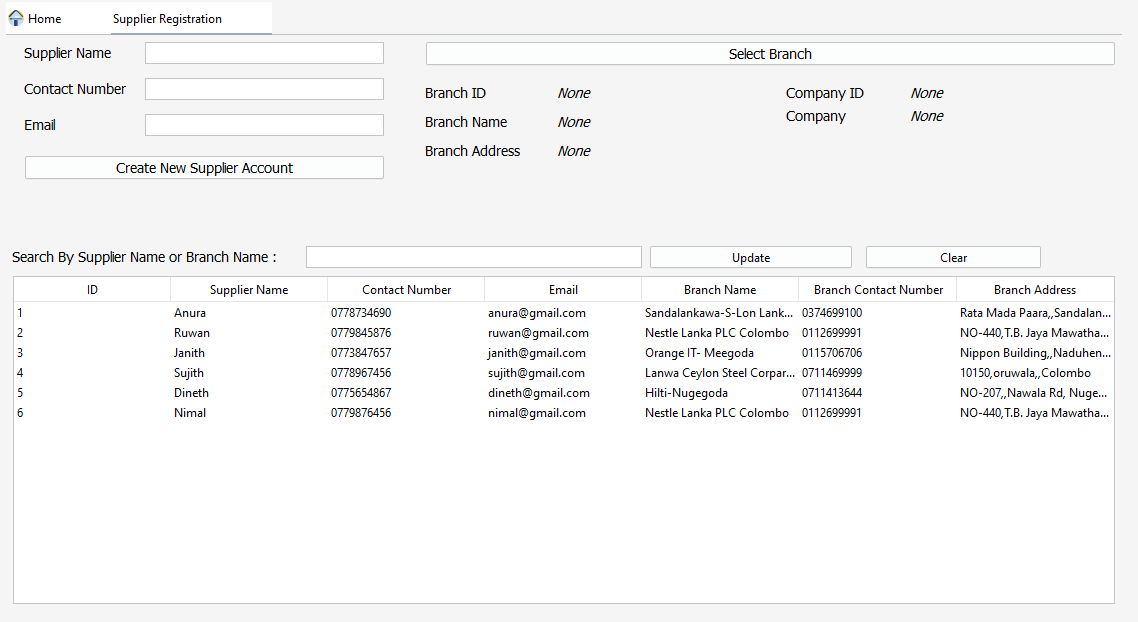
*e.printStackTrace();*

*}*

*}*

*}*

**Supplier registration**

****

***Codes***

*public SupplierRegistration() {*

*initComponents();*

*loadSuppliers();*

*}*

*public void clearField(){*

*jButton1.setEnabled(true);*

*jButton2.setEnabled(true);*

*jTextField1.setEditable(true);*

*jTable1.clearSelection();*

*jTextField1.setText("");*

*jTextField2.setText("");*

*jTextField3.setText("");*

*jLabel5.setText("None");*

*jLabel7.setText("None");*

*jLabel9.setText("None");*

*jLabel10.setText("None");*

*jLabel12.setText("None");*

*s\_id = "0";*

*jTextField1.grabFocus();*

*}*

*public void loadSuppliers(){*

*try{*

*ResultSet rs = MySQL.search("SELECT \* FROM `supplier` INNER JOIN `company\_branch` ON `supplier`.`company\_branch\_id`=`company\_branch`.`id` INNER JOIN `company\_branch\_address` ON `company\_branch\_address`.`id`=`company\_branch`.`company\_branch\_address\_id` INNER JOIN `city` ON `city`.`id`=`company\_branch\_address`.`city\_id` ORDER BY `supplier`.`id` ASC");*

*DefaultTableModel dtm = (DefaultTableModel) jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("supplier.id"));*

*v.add(rs.getString("supplier.name"));*

*v.add(rs.getString("supplier.contact\_number"));*

*v.add(rs.getString("supplier.email"));*

*v.add(rs.getString("company\_branch.name"));*

*v.add(rs.getString("company\_branch.branch\_contact\_number"));*

*String address = rs.getString("company\_branch\_address.line1")+","+rs.getString("company\_branch\_address.line2")+","+rs.getString("city.name");*

*v.add(address);*

*dtm.addRow(v);*

*}*

*jTable1.setModel(dtm);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void loadSuppliers(String text){*

*try{*

*ResultSet rs = MySQL.search("SELECT \* FROM `supplier` INNER JOIN `company\_branch` ON `supplier`.`company\_branch\_id`=`company\_branch`.`id` INNER JOIN `company\_branch\_address` ON `company\_branch\_address`.`id`=`company\_branch`.`company\_branch\_address\_id` INNER JOIN `city` ON `city`.`id`=`company\_branch\_address`.`city\_id` WHERE `supplier`.`name` LIKE '%"+text+"%' OR `company\_branch`.`name` LIKE '%"+text+"%' ORDER BY `supplier`.`id` ASC");*

*DefaultTableModel dtm = (DefaultTableModel) jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("supplier.id"));*

*v.add(rs.getString("supplier.name"));*

*v.add(rs.getString("supplier.contact\_number"));*

*v.add(rs.getString("supplier.email"));*

*v.add(rs.getString("company\_branch.name"));*

*v.add(rs.getString("company\_branch.branch\_contact\_number"));*

*String address = rs.getString("company\_branch\_address.line1")+","+rs.getString("company\_branch\_address.line2")+","+rs.getString("city.name");*

*v.add(address);*

*dtm.addRow(v);*

*}*

*jTable1.setModel(dtm);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

***Button and Components***

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

*// TODO add your handling code here:*

*String name = jTextField1.getText();*

*String cnumber = jTextField2.getText();*

*String email = jTextField3.getText().toLowerCase();*

*String bid = jLabel5.getText();*

*if(name.isEmpty()){*

*JOptionPane.showMessageDialog(this, "Please enter name", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("07[01245678][0-9]+").matcher(cnumber).matches()){*

*JOptionPane.showMessageDialog(this, "Please enter mobile", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("^[a-z0-9.\_%+-]+@[a-z0-9.-]+\\.[a-z]{2,6}$").matcher(email.toLowerCase()).matches()){*

*JOptionPane.showMessageDialog(this, "Invalid email", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(bid.equals("None")){*

*JOptionPane.showMessageDialog(this, "Please select branch", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*try {*

*//check*

*ResultSet rs = MySQL.search("SELECT \* FROM `supplier` WHERE `email`='"+email+"' OR `contact\_number`='"+cnumber+"'");*

*if(rs.next()){*

*JOptionPane.showMessageDialog(this, "Supplier already exists..", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*MySQL.iud("INSERT INTO `supplier`(`name`,`contact\_number`,`email`,`company\_branch\_id`) VALUES('"+name+"','"+cnumber+"','"+email+"','"+bid+"')");*

*jTextField1.setText("");*

*jTextField2.setText("");*

*jTextField3.setText("");*

*jLabel5.setText("None");*

*jLabel7.setText("None");*

*jLabel9.setText("None");*

*jLabel10.setText("None");*

*jLabel12.setText("None");*

*jTextField1.grabFocus();*

*JOptionPane.showMessageDialog(this, "Insert successfully..", "information", JOptionPane.INFORMATION\_MESSAGE);*

*loadSuppliers();*

*}*

*//check*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*}*

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

*// TODO add your handling code here:*

*BranchRegistration br = new BranchRegistration(this, true);*

*br.setVisible(true);*

*}*

*private void jTextField2KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String mobile = jTextField2.getText();*

*String text = mobile + evt.getKeyChar();*

*if(text.length()==1){*

*if(!text.equals("0")){*

*evt.consume();*

*}*

*}else if(text.length()==2){*

*if(!text.equals("07")){*

*evt.consume();*

*}*

*}else if(text.length()==3){*

*if(!Pattern.compile("07[01245678]").matcher(text).matches()){*

*evt.consume();*

*}*

*}else if(text.length()<=10){*

*if(!Pattern.compile("07[01245678][0-9]+").matcher(text).matches()){*

*evt.consume();*

*}*

*}else{*

*evt.consume();*

*}*

*}*

*private void jTextField4KeyReleased(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*loadSuppliers(jTextField4.getText());*

*}*

*String s\_id = "0";*

*private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {*

*// TODO add your handling code here:*

*int selectedindex = jTable1.getSelectedRow();*

*if(selectedindex != -1){*

*jButton1.setEnabled(false);*

*jButton2.setEnabled(false);*

*s\_id = jTable1.getValueAt(selectedindex, 0).toString();*

*String s\_name = jTable1.getValueAt(selectedindex, 1).toString();*

*String s\_contactNumber = jTable1.getValueAt(selectedindex, 2).toString();*

*String s\_email = jTable1.getValueAt(selectedindex, 3).toString();*

*jTextField1.setText(s\_name);*

*jTextField2.setText(s\_contactNumber);*

*jTextField3.setText(s\_email);*

*jTextField1.setEditable(false);*

*}*

*}*

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

*// TODO add your handling code here:*

*clearField();*

*}*

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

*// TODO add your handling code here:*

*String name = jTextField1.getText();*

*String cnumber = jTextField2.getText();*

*String email = jTextField3.getText().toLowerCase();*

*if(name.isEmpty()){*

*JOptionPane.showMessageDialog(this, "Please enter name", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("07[01245678][0-9]+").matcher(cnumber).matches()){*

*JOptionPane.showMessageDialog(this, "Please enter mobile", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("^[a-z0-9.\_%+-]+@[a-z0-9.-]+\\.[a-z]{2,6}$").matcher(email.toLowerCase()).matches()){*

*JOptionPane.showMessageDialog(this, "Invalid email", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*try {*

*//check*

*MySQL.iud("UPDATE `supplier` SET `contact\_number`='"+cnumber+"', `email`='"+email+"' WHERE `id`='"+s\_id+"'");*

*JOptionPane.showMessageDialog(this, "Update success", "Success", JOptionPane.INFORMATION\_MESSAGE);*

*clearField();*

*loadSuppliers();*

*}catch(Exception e){*

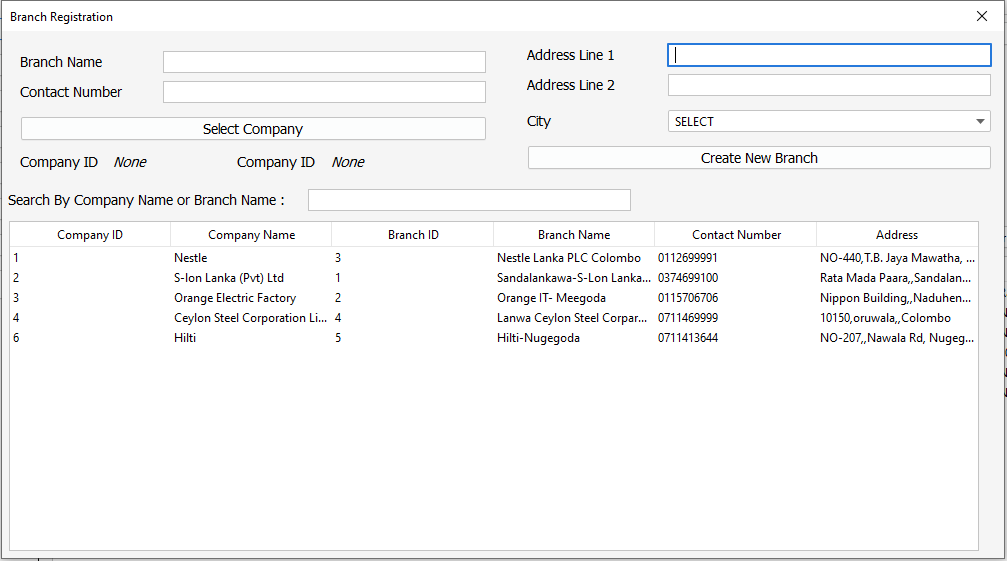
*e.printStackTrace();*

*}*

*}*

*}*

**Branch registration**



***Codes***

*SupplierRegistration sr;*

*SupplierRegistration1 sr1;*

*public BranchRegistration(java.awt.Frame parent, boolean modal) {*

*super(parent, modal);*

*initComponents();*

*loadCities();*

*loadCompanyBranches();*

*}*

*public BranchRegistration(SupplierRegistration1 parent, boolean modal) {*

*super(parent, modal);*

*this.sr1 = parent;*

*initComponents();*

*loadCities();*

*loadCompanyBranches();*

*}*

*public BranchRegistration(SupplierRegistration parent, boolean modal) {*

*this.sr = parent;*

*initComponents();*

*loadCities();*

*loadCompanyBranches();*

*}*

*public void loadCompanyBranches(){*

*try{*

*ResultSet rs = MySQL.search("SELECT \* FROM `company\_branch` INNER JOIN `company` ON `company\_branch`.`company\_id`=`company`.`id` INNER JOIN `company\_branch\_address` ON `company\_branch`.`company\_branch\_address\_id`=`company\_branch\_address`.`id` INNER JOIN `city` ON `city`.`id`=`company\_branch\_address`.`city\_id` ORDER BY `company`.`id` ASC");*

*DefaultTableModel dtm = (DefaultTableModel) jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("company.id"));*

*v.add(rs.getString("company.name"));*

*v.add(rs.getString("company\_branch.id"));*

*v.add(rs.getString("company\_branch.name"));*

*v.add(rs.getString("company\_branch.branch\_contact\_number"));*

*String address = rs.getString("company\_branch\_address.line1")+","+rs.getString("company\_branch\_address.line2")+","+rs.getString("city.name");*

*v.add(address);*

*dtm.addRow(v);*

*}*

*jTable1.setModel(dtm);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void loadCompanyBranches(String text){*

*try{*

*ResultSet rs = MySQL.search("SELECT \* FROM `company\_branch` INNER JOIN `company` ON `company\_branch`.`company\_id`=`company`.`id` INNER JOIN `company\_branch\_address` ON `company\_branch`.`company\_branch\_address\_id`=`company\_branch\_address`.`id` INNER JOIN `city` ON `city`.`id`=`company\_branch\_address`.`city\_id` WHERE `company\_branch`.`name` LIKE '%"+text+"%' OR `company`.`name` LIKE '%"+text+"%' ORDER BY `company`.`id` ASC");*

*DefaultTableModel dtm = (DefaultTableModel) jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("company.id"));*

*v.add(rs.getString("company.name"));*

*v.add(rs.getString("company\_branch.id"));*

*v.add(rs.getString("company\_branch.name"));*

*v.add(rs.getString("company\_branch.branch\_contact\_number"));*

*String address = rs.getString("company\_branch\_address.line1")+","+rs.getString("company\_branch\_address.line2")+","+rs.getString("city.name");*

*v.add(address);*

*dtm.addRow(v);*

*}*

*jTable1.setModel(dtm);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void loadCities(){*

*try{*

*ResultSet rs=MySQL.search("SELECT \* FROM `city`");*

*Vector v = new Vector();*

*v.add("SELECT");*

*while(rs.next()){*

*v.add(rs.getString("name"));*

*}*

*DefaultComboBoxModel dcm = new DefaultComboBoxModel(v);*

*jComboBox1.setModel(dcm);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

***Button and Components***

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

*// TODO add your handling code here:*

*CompanyRegistration cr = new CompanyRegistration(this, true);*

*cr.setVisible(true);*

*}*

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

*// TODO add your handling code here:*

*String name = jTextField1.getText();*

*String contact\_number = jTextField2.getText();*

*String company = jLabel4.getText();*

*String al1 = jTextField3.getText();*

*String al2 = jTextField4.getText();*

*String city = jComboBox1.getSelectedItem().toString();*

*if(name.isEmpty()){*

*JOptionPane.showMessageDialog(this, "please branch name name", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("0[0-9]{9}").matcher(contact\_number).matches()){*

*JOptionPane.showMessageDialog(this, "Invalid contact number ", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(company.equals("None")){*

*JOptionPane.showMessageDialog(this, "Please select company ", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(al1.isEmpty()){*

*JOptionPane.showMessageDialog(this, "pease enter address line 1 ", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(al2.isEmpty()){*

*JOptionPane.showMessageDialog(this, "pease enter address line 2 ", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(city.equals("SELECT")){*

*JOptionPane.showMessageDialog(this, "Please select city ", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*try {*

*ResultSet rs1 = MySQL.search("SELECT `id` FROM `city` WHERE `name`='"+city+"'");*

*rs1.next();*

*String city\_id = rs1.getString("id");*

*ResultSet rsx = MySQL.search("SELECT \* FROM `company\_branch\_address` WHERE `line1`='"+al1+"' AND `line2`='"+al2+"' AND `city\_id`='"+city\_id+"'");*

*if(rsx.next()){*

*JOptionPane.showMessageDialog(this, "Address already exist", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*MySQL.iud("INSERT INTO `company\_branch\_address`(`line1`,`line2`,`city\_id`) VALUES('"+al1+"','"+al2+"','"+city\_id+"')");*

*ResultSet rs = MySQL.search("SELECT LAST\_INSERT\_ID()");*

*rs.next();*

*String id = rs.getString(1);*

*// System.out.println(id);*

*MySQL.iud("INSERT INTO `company\_branch`(`company\_id`,`branch\_contact\_number`,`name`,`company\_branch\_address\_id`) VALUES('"+company+"','"+contact\_number+"','"+name+"','"+id+"')");*

*jTextField1.setText("");*

*jTextField2.setText("");*

*jTextField3.setText("");*

*jTextField4.setText("");*

*jLabel4.setText("None");*

*jLabel6.setText("None");*

*jComboBox1.setSelectedIndex(0);*

*jTextField1.grabFocus();*

*loadCompanyBranches();*

*}*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*}*

*private void jTextField2KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String mobile = jTextField2.getText();*

*String text = mobile + evt.getKeyChar();*

*if(mobile.length() == 10){*

*evt.consume();*

*}else{*

*if(!Pattern.compile("[0-9]+").matcher(text).matches()){*

*evt.consume();*

*}*

*}*

*}*

*private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {*

*// TODO add your handling code here:*

*if(evt.getClickCount()==2){*

*int r = jTable1.getSelectedRow();*

*if(r==-1){*

*JOptionPane.showMessageDialog(this, "please select a company", "success", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*String bid = jTable1.getValueAt(r, 2).toString();*

*String bname = jTable1.getValueAt(r, 3).toString();*

*String cid = jTable1.getValueAt(r, 0).toString();*

*String cname = jTable1.getValueAt(r, 1).toString();*

*String address = jTable1.getValueAt(r, 5).toString();*

*if(sr != null){*

*sr.jLabel5.setText(bid);*

*sr.jLabel7.setText(bname);*

*sr.jLabel10.setText(cid);*

*sr.jLabel12.setText(cname);*

*sr.jLabel9.setText(address);*

*}else if(sr1 != null){*

*sr1.jLabel5.setText(bid);*

*sr1.jLabel7.setText(bname);*

*sr1.jLabel11.setText(cid);*

*sr1.jLabel12.setText(cname);*

*sr1.jLabel9.setText(address);*

*}*

*this.dispose();*

*}*

*}*

*}*

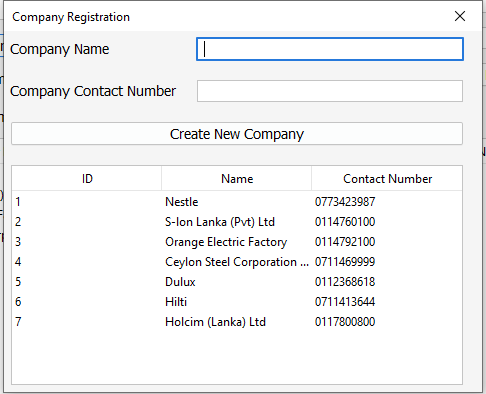
*private void jTextField5KeyReleased(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*loadCompanyBranches(jTextField5.getText());*

*}*

**Company registration**



***Codes***

*BranchRegistration br;*

*public CompanyRegistration(java.awt.Frame parent, boolean modal) {*

*super(parent, modal);*

*initComponents();*

*loadCompanies();*

*}*

*public CompanyRegistration(BranchRegistration parent, boolean modal) {*

*super(parent, modal);*

*this.br = parent;*

*initComponents();*

*loadCompanies();*

*}*

*public void loadCompanies(){*

*try{*

*ResultSet rs = MySQL.search("SELECT \* FROM `company` ORDER BY `id` ASC");*

*DefaultTableModel dtm = (DefaultTableModel) jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("id"));*

*v.add(rs.getString("name"));*

*v.add(rs.getString("Contact\_number"));*

*dtm.addRow(v);*

*}*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

***Button and components***

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

*// TODO add your handling code here:*

*String name = jTextField1.getText();*

*String contact\_number = jTextField2.getText();*

*if(name.isEmpty()){*

*JOptionPane.showMessageDialog(this, "please enter company name", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("0[0-9]{9}").matcher(contact\_number).matches()){*

*JOptionPane.showMessageDialog(this, "Invalid contact number ", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*try {*

*ResultSet rs = MySQL.search("SELECT \* FROM `company` WHERE `name` ='"+name+"'");*

*if(rs.next()){*

*JOptionPane.showMessageDialog(this, "Company already exist ", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*MySQL.iud("INSERT INTO `company`(`name`,`contact\_number`) VALUES('"+name+"','"+contact\_number+"')");*

*loadCompanies();*

*jTextField1.setText("");*

*jTextField2.setText("");*

*jTextField1.grabFocus();*

*JOptionPane.showMessageDialog(this, "Success ", "success", JOptionPane.INFORMATION\_MESSAGE);*

*}*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*}*

*private void jTextField2KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String mobile = jTextField2.getText();*

*String text = mobile + evt.getKeyChar();*

*if(mobile.length() == 10){*

*evt.consume();*

*}else{*

*if(!Pattern.compile("[0-9]+").matcher(text).matches()){*

*evt.consume();*

*}*

*}*

*}*

*private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {*

*// TODO add your handling code here:*

*if(evt.getClickCount() == 2){*

*int r = jTable1.getSelectedRow();*

*if(r==-1){*

*JOptionPane.showMessageDialog(this, "please select a company", "success", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*String id = jTable1.getValueAt(r, 0).toString();*

*String name = jTable1.getValueAt(r, 1).toString();*

*br.jLabel4.setText(id);*

*br.jLabel6.setText(name);*

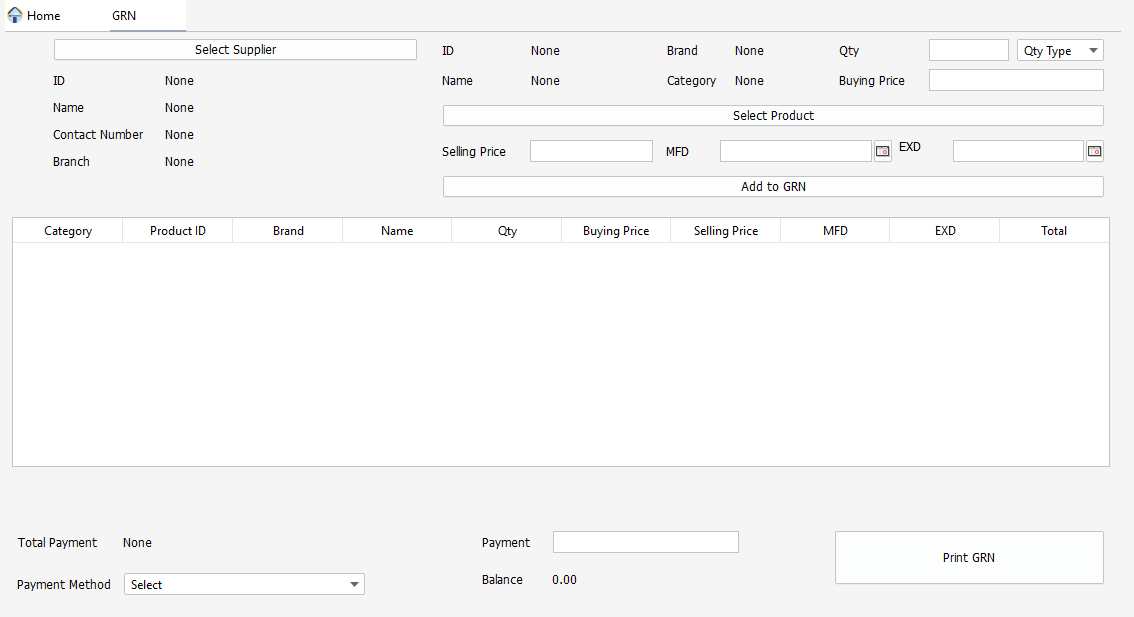
*this.dispose();*

*}*

*}*

*}*

**GRN**

****

***Codes***

*DecimalFormat df = new DecimalFormat("0.00");*

*SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");*

*public GRN() {*

*initComponents();*

*loadPaymentType();*

*loadQtyType();*

*}*

*public void resetFields(){*

*jLabel10.setText("None");*

*jLabel12.setText("None");*

*jLabel16.setText("None");*

*jLabel14.setText("None");*

*jTextField1.setText("");*

*jTextField2.setText("");*

*jTextField3.setText("");*

*jTextField4.setText("");*

*jDateChooser1.setDate(null);*

*jDateChooser2.setDate(null);*

*jComboBox2.setSelectedItem("Qty Type");*

*jTextField1.grabFocus();*

*}*

*public void updateTotal(){*

*double total = 0;*

*for(int i = 0; i<jTable1.getRowCount(); i++){*

*String t= jTable1.getValueAt(i, 9).toString();*

*total = total + Double.parseDouble(t);*

*}*

*System.out.println(total);*

*jLabel23.setText(df.format(total));*

*}*

*public void loadPaymentType(){*

*try{*

*ResultSet rs =MySQL.search("SELECT \* FROM `payment\_type`");*

*Vector v = new Vector();*

*v.add("Select");*

*while(rs.next()){*

*v.add(rs.getString("name"));*

*}*

*jComboBox1.setModel(new DefaultComboBoxModel(v));*

*System.out.println("user id"+SignIn.userId);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void loadQtyType(){*

*try{*

*ResultSet rs =MySQL.search("SELECT \* FROM `qty\_type`");*

*Vector v = new Vector();*

*v.add("Qty Type");*

*while(rs.next()){*

*v.add(rs.getString("name"));*

*}*

*jComboBox2.setModel(new DefaultComboBoxModel(v));*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public Long calDateDifference(String date1, String date2){*

*String d1 = date1;*

*String[] ydm1 = d1.split("-", -2);*

*String year1 = "";*

*String month1 = "";*

*String day1 = "";*

*int fl = 0;*

*for(String a : ydm1){*

*fl = fl +1;*

*// System.out.println(a);*

*if(fl == 1){*

*year1 = a;*

*}*

*if(fl == 2){*

*month1 = a;*

*}*

*if(fl == 3){*

*day1 = a;*

*}*

*}*

*String d2 = date2;*

*String[] ydm2 = d2.split("-", -2);*

*String year2 = "";*

*String month2 = "";*

*String day2 = "";*

*int f2 = 0;*

*for(String b : ydm2){*

*f2 = f2 +1;*

*// System.out.println(a);*

*if(f2 == 1){*

*year2 = b;*

*}*

*if(f2 == 2){*

*month2 = b;*

*}*

*if(f2 == 3){*

*day2 = b;*

*}*

*}*

*LocalDate de1 = LocalDate.of(Integer.parseInt(year1), Integer.parseInt(month1), Integer.parseInt(day1));*

*LocalDate de2 = LocalDate.of(Integer.parseInt(year2), Integer.parseInt(month2), Integer.parseInt(day2));*

*long days = ChronoUnit.DAYS.between(de1, de2);*

*System.out.println( days );*

*return days;*

*}*

***Button and components***

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

*// TODO add your handling code here:*

*SupplierRegistration1 sr1 = new SupplierRegistration1(this);*

*sr1.setVisible(true);*

*}*

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

*// TODO add your handling code here:*

*ProductRegistration1 pr1 = new ProductRegistration1(this);*

*pr1.setVisible(true);*

*jTextField3.setEditable(true);*

*jTextField3.setEnabled(true);*

*}*

*private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String qty = jTextField1.getText();*

*String text = qty + evt.getKeyChar();*

*if(!Pattern.compile("[1-9][0-9]\*").matcher(text).matches()){*

*evt.consume();*

*}*

*}*

*private void jTextField2KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String price = jTextField2.getText();*

*String text = price + evt.getKeyChar();*

*if(!Pattern.compile("(0|0[.]|0[.][0-9]\*)|[1-9]|[1-9][0-9]\*|[1-9][0-9]\*[.]|[1-9][0-9]\*[.][0-9]\*").matcher(text).matches()){*

*evt.consume();*

*}*

*}*

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

*// TODO add your handling code here:*

*System.out.println("ok");*

*String sid = jLabel2.getText();*

*String pid = jLabel10.getText();*

*String qty = jTextField1.getText().toLowerCase();*

*String qty\_type = jComboBox2.getSelectedItem().toString();*

*String buyingPrice = jTextField2.getText();*

*// update*

*String selling\_price = jTextField3.getText();*

*Date mfd = jDateChooser1.getDate();*

*Date exd = jDateChooser2.getDate();*

*long date\_dif = calDateDifference(sdf.format(mfd), sdf.format(exd));*

*System.out.println("date dif :"+date\_dif);*

*// update*

*if(sid.equals("None")){*

*JOptionPane.showMessageDialog(this, "Please select supplier", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(pid.equals("None")){*

*JOptionPane.showMessageDialog(this, "Please select product", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("[1-9][0-9]\*").matcher(qty).matches()){*

*JOptionPane.showMessageDialog(this, "Invalid qty", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(qty\_type.equals("Qty Type")){*

*JOptionPane.showMessageDialog(this, "Please Select qty type", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("([1-9][0-9]\*)|([0][.]([0]\*[1-9][0-9]\*))|(([1-9][0-9]\*)[.]([0]\*[1-9][0-9]\*))").matcher(buyingPrice).matches()){*

*JOptionPane.showMessageDialog(this, "Invalid buying price", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}*

*//update*

*else if(!Pattern.compile("([1-9][0-9]\*)|([0][.]([0]\*[1-9][0-9]\*))|(([1-9][0-9]\*)[.]([0]\*[1-9][0-9]\*))").matcher(selling\_price).matches()){*

*JOptionPane.showMessageDialog(this, "Invalid selling price", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(Double.parseDouble(buyingPrice)>=Double.parseDouble(selling\_price)){*

*JOptionPane.showMessageDialog(this, "Invalid selling price", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(mfd==null){*

*JOptionPane.showMessageDialog(this, "Invalid MFD", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(mfd.after(new Date())){*

*JOptionPane.showMessageDialog(this, "Invalid MFD", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(exd==null){*

*JOptionPane.showMessageDialog(this, "Invalid EXD", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(exd.before(new Date())){*

*JOptionPane.showMessageDialog(this, "Invalid EXD", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(date\_dif < 0){*

*JOptionPane.showMessageDialog(this, "MFD cannot be geater than EXD.", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}*

*//update*

*else{*

*DefaultTableModel dtm = (DefaultTableModel)jTable1.getModel();*

*boolean isFound=false;*

*int x=-1;*

*for(int i=0; i<dtm.getRowCount(); i++){*

*String id = jTable1.getValueAt(i, 1).toString();*

*if(id.equals(pid)){*

*isFound=true;*

*x=i;*

*break;*

*}*

*}*

*if(isFound){*

*int option = JOptionPane.showConfirmDialog(this, "this product is already added. do you want update?", "confirmation", JOptionPane.YES\_NO\_OPTION, JOptionPane.INFORMATION\_MESSAGE);*

*if(option==JOptionPane.YES\_OPTION){*

*String beforeAddedQty = jTable1.getValueAt(x, 4).toString();*

*String[] name = beforeAddedQty.split(" ");*

*String sQty = "";*

*String sQtyType = "";*

*int fl = 0;*

*for(String a : name){*

*fl = fl +1;*

*if(fl == 1){*

*sQty = a;*

*}*

*if(fl == 2){*

*sQtyType = a;*

*}*

*}*

*int oldQty = Integer.parseInt(sQty);*

*int finalQty = oldQty + Integer.parseInt(qty);*

*jTable1.setValueAt(String.valueOf(finalQty+" "+sQtyType), x, 4);*

*jTable1.setValueAt(buyingPrice, x, 5);*

*double updateItemTotal = finalQty \* Double.parseDouble(buyingPrice);*

*jTable1.setValueAt(String.valueOf(updateItemTotal), x, 9);*

*updateTotal();*

*}*

*resetFields();*

*}else{*

*Vector v = new Vector();*

*v.add(jLabel16.getText());*

*v.add(pid);*

*v.add(jLabel14.getText());*

*v.add(jLabel12.getText());*

*v.add(qty +" "+ qty\_type);*

*v.add(buyingPrice);*

*//update*

*v.add(selling\_price);*

*v.add(sdf.format(mfd));*

*v.add(sdf.format(exd));*

*//update*

*double itemtotal = Integer.parseInt(qty)\*Double.parseDouble(buyingPrice);*

*v.add(df.format(itemtotal));*

*dtm.addRow(v);*

*updateTotal();*

*resetFields();*

*System.out.println("af rf");*

*// double total=0;*

*// jLabel20.setText(String.valueOf(total));*

*JOptionPane.showMessageDialog(this, "Product added to the GRN", "Success", JOptionPane.INFORMATION\_MESSAGE);*

*}*

*}*

*}*

*private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {*

*// TODO add your handling code here:*

*if(evt.getClickCount()==2){*

*int r = jTable1.getSelectedRow();*

*if(r==-1){*

*JOptionPane.showMessageDialog(this, "product added to the GRN", "success", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*int option = JOptionPane.showConfirmDialog(this, "Do you want to remove this item?", "confirmation", JOptionPane.YES\_NO\_OPTION, JOptionPane.INFORMATION\_MESSAGE);*

*if(option == JOptionPane.YES\_OPTION){*

*DefaultTableModel dtm = (DefaultTableModel) jTable1.getModel();*

*dtm.removeRow(r);*

*updateTotal();*

*//payment*

*jTextField4.setText("");*

*jTextField4.setEditable(false);*

*jLabel27.setText("0.00");*

*jComboBox1.setSelectedIndex(0);*

*//payment*

*JOptionPane.showMessageDialog(this, "GRN item removed", "success", JOptionPane.INFORMATION\_MESSAGE);*

*}*

*}*

*}*

*}*

*private void jButton1MouseClicked(java.awt.event.MouseEvent evt) {*

*// TODO add your handling code here:*

*if(evt.getClickCount()==2){*

*jButton1.setText("Select Supplier");*

*jButton1.setEnabled(true);*

*jLabel2.setText("None");*

*jLabel4.setText("None");*

*jLabel6.setText("None");*

*jLabel8.setText("None");*

*}*

*}*

*private void jTextField4KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String price = jTextField4.getText();*

*String text = price + evt.getKeyChar();*

*if(!Pattern.compile("(0|0[.]|0[.][0-9]\*)|[1-9]|[1-9][0-9]\*|[1-9][0-9]\*[.]|[1-9][0-9]\*[.][0-9]\*").matcher(text).matches()){*

*evt.consume();*

*}*

*}*

*private void jTextField4KeyReleased(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*if(jTextField4.getText().isEmpty()){*

*jLabel27.setText("0.00");*

*jLabel27.setForeground(Color.BLACK);*

*}else{*

*String total = jLabel23.getText();*

*String payment = jTextField4.getText();*

*double balance = Double.parseDouble(total) - Double.parseDouble(payment);*

*if(balance<0){*

*jLabel27.setForeground(Color.RED);*

*}else{*

*jLabel27.setForeground(Color.GREEN);*

*}*

*jLabel27.setText(df.format(balance));*

*}*

*}*

*boolean isTotalPaymentUpdate = false;*

*private void jComboBox1ItemStateChanged(java.awt.event.ItemEvent evt) {*

*// TODO add your handling code here:*

*String text = jComboBox1.getSelectedItem().toString();*

*if(text.equals("Select")){*

*jTextField3.setEditable(false);*

*jTextField3.setText("");*

*jLabel24.setText("0.00");*

*jLabel24.setForeground(Color.BLACK);*

*}else{*

*jTextField3.setEditable(true);*

*}*

*//return search and total update*

*try {*

*ResultSet rsRsm = MySQL.search("SELECT `supplier`.`name` AS `supplier\_name`,`return\_stock`.`qty`,`grn\_item`.`buying\_price` AS `buying\_price`,`return\_status`.`name` AS `status` FROM `return\_stock` INNER JOIN `stock` ON `return\_stock`.`stock\_id`=`stock`.`id` INNER JOIN `product` ON `stock`.`product\_id`=`product`.`id` INNER JOIN `return\_status` ON `return\_stock`.`return\_status\_id`=`return\_status`.`id` INNER JOIN `grn\_item` ON `grn\_item`.`stock\_id`=`stock`.`id` INNER JOIN `grn` ON `grn\_item`.`grn\_id`=`grn`.`id` INNER JOIN `supplier` ON `grn`.`supplier\_id`=`supplier`.`id` INNER JOIN `company\_branch` ON `supplier`.`company\_branch\_id`=`company\_branch`.`id` WHERE `supplier`.`id`='"+jLabel2.getText()+"' AND `return\_status`.`id`='2' ORDER BY `return\_stock`.`id` ASC");*

*double returnValue = 0;*

*while(rsRsm.next()){*

*returnValue = returnValue + (Double.parseDouble(rsRsm.getString("buying\_price")) \* Integer.parseInt(rsRsm.getString("qty")));*

*}*

*if(returnValue != 0 && isTotalPaymentUpdate == false){*

*int option = JOptionPane.showConfirmDialog(this, "You have Return some product from this Supplier that value is "+returnValue+", do you want to cut back this value from this grn total?", "confirmation", JOptionPane.YES\_NO\_OPTION, JOptionPane.INFORMATION\_MESSAGE);*

*if(option==JOptionPane.YES\_OPTION){*

*double updateTotalPayment = Double.parseDouble(jLabel23.getText()) - returnValue;*

*if(updateTotalPayment<0){*

*JOptionPane.showMessageDialog(this, "This total is not enough to cut back return value, please add a few more products close to "+(updateTotalPayment \* -1)+" to this GRN.", text, HEIGHT);*

*jComboBox1.setSelectedItem("Select");*

*}else{*

*jLabel23.setText(updateTotalPayment+"");*

*isTotalPaymentUpdate = true;*

*}*

*}*

*}*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*//return search and total update*

*}*

*private void jTextField3KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String price = jTextField3.getText();*

*String text = price + evt.getKeyChar();*

*if(!Pattern.compile("(0|0[.]|0[.][0-9]\*)|[1-9]|[1-9][0-9]\*|[1-9][0-9]\*[.]|[1-9][0-9]\*[.][0-9]\*").matcher(text).matches()){*

*evt.consume();*

*}*

*}*

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

*// TODO add your handling code here:*

*String paymentType = jComboBox1.getSelectedItem().toString();*

*String payment = jTextField4.getText();*

*String total\_payment = jLabel23.getText();*

*if(jTable1.getRowCount() == 0){*

*JOptionPane.showMessageDialog(this, "please select payment method", "WARNING", JOptionPane.WARNING\_MESSAGE);*

*}else if(paymentType.equals("SELECT")){*

*JOptionPane.showMessageDialog(this, "please select payment method", "WARNING", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("[0]|(0|0[.]|0[.][0-9]\*)|[1-9]|[1-9][0-9]\*|[1-9][0-9]\*[.]|[1-9][0-9]\*[.][0-9]\*").matcher(payment).matches()){*

*JOptionPane.showMessageDialog(this, "invalid payment", "WARNING", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*if(isTotalPaymentUpdate){*

*MySQL.iud("UPDATE `return\_stock` SET `return\_status\_id`='1'");*

*}*

*//grn insert*

*long mTime = System.currentTimeMillis();*

*String uniqueId = mTime+"-"+SignIn.userId;*

*System.out.println(SignIn.userId);*

*String sid = jLabel2.getText();*

*String sname = jLabel4.getText();*

*String scontact = jLabel6.getText();*

*String sbranch = jLabel8.getText();*

*SimpleDateFormat sdf2 = new SimpleDateFormat("yyyy-MM-dd HH:mm:ss");*

*String dNow = sdf2.format(new Date());*

*MySQL.iud("INSERT INTO `grn`(`supplier\_id`,`date\_time`,`user\_id`,`unique\_id`) VALUES('"+sid+"','"+dNow+"','"+SignIn.userId+"','"+uniqueId+"')");*

*//grn insert*

*try {*

*//grn payment insert*

*ResultSet rs = MySQL.search("SELECT \* FROM `grn` WHERE `unique\_id`='"+uniqueId+"'");*

*rs.next();*

*String id = rs.getString("id");*

*ResultSet rs2 = MySQL.search("SELECT \* FROM `payment\_type` WHERE `name`='"+paymentType+"'");*

*rs2.next();*

*String paymentTypeId = rs2.getString("id");*

*String balance = jLabel27.getText();*

*MySQL.iud("INSERT INTO `grn\_payment`(`grn\_id`,`payment\_type\_id`,`payment`,`balance`) VALUES('"+id+"','"+paymentTypeId+"','"+payment+"','"+balance+"')");*

*//grn payment insert*

*//GRN item INSERT & stock INSERT or UPDATE*

*for(int i=0; i<jTable1.getRowCount(); i++){*

*String pid = jTable1.getValueAt(i, 1).toString();*

*String tQty = jTable1.getValueAt(i, 4).toString();*

*String[] name = tQty.split(" ");*

*String sQty = "";*

*String sQtyType = "";*

*int fl = 0;*

*for(String a : name){*

*fl = fl +1;*

*if(fl == 1){*

*sQty = a;*

*}*

*if(fl == 2){*

*sQtyType = a;*

*}*

*}*

*String sellingPrice = jTable1.getValueAt(i, 6).toString();*

*String buyingPrice = jTable1.getValueAt(i, 5).toString();*

*String mfd = jTable1.getValueAt(i, 7).toString();*

*String exd = jTable1.getValueAt(i, 8).toString();*

*//grn\_id = id*

*//stock\_id = ?*

*ResultSet rs3 = MySQL.search("SELECT \* FROM `stock` WHERE `product\_id`='"+pid+"' AND `selling\_price`='"+sellingPrice+"' AND `mfd`='"+mfd+"' AND `exd`='"+exd+"'");*

*ResultSet rs6 = MySQL.search("SELECT `id` FROM `qty\_type` WHERE `name`='"+sQtyType+"'");*

*rs6.next();*

*String sQtyTypeId = rs6.getString("id");*

*{*

*String stock\_id;*

*if(rs3.next()){*

*//UPDATE*

*stock\_id = rs3.getString("id");*

*String stock\_qty = rs3.getString("quantity");*

*int updatedQty = Integer.parseInt(stock\_qty)+Integer.parseInt(sQty);*

*MySQL.iud("UPDATE `stock` SET `quantity`='"+updatedQty+"' WHERE `id`='"+stock\_id+"'");*

*}else{*

*//INSERT*

*MySQL.iud("INSERT INTO `stock`(`product\_id`,`quantity`,`qty\_type\_id`,`selling\_price`,`mfd`,`exd`) VALUES('"+pid+"','"+sQty+"','"+sQtyTypeId+"','"+sellingPrice+"','"+mfd+"','"+exd+"')");*

*ResultSet rs4 = MySQL.search("SELECT \* FROM `stock` WHERE `product\_id`='"+pid+"' AND `selling\_price`='"+sellingPrice+"' AND `mfd`='"+mfd+"' AND `exd`='"+exd+"'");*

*rs4.next();*

*stock\_id = rs4.getString("id");*

*}*

*MySQL.iud("INSERT INTO `grn\_item`(`quantity`,`qty\_type\_id`,`buying\_price`,`grn\_id`,`stock\_id`) VALUES('"+sQty+"','"+sQtyTypeId+"','"+buyingPrice+"','"+id+"','"+stock\_id+"')");*

*}*

*}*

*//grn report*

*InputStream filePath = GRN.class.getResourceAsStream("/reports/hms\_grn.jasper");*

*// String filePath = "src//reports//hms\_grn.jasper";*

*// JasperReport jr = JasperCompileManager.compileReport(filePath);*

*HashMap parameters = new HashMap();*

*parameters.put("suplier\_id",sid);*

*parameters.put("suplier\_name",sname);*

*parameters.put("s\_contact\_number",scontact);*

*parameters.put("s\_branch",sbranch);*

*parameters.put("total\_payment",total\_payment);*

*parameters.put("payment\_method",paymentType);*

*parameters.put("payment",payment);*

*parameters.put("balance",balance);*

*TableModel tm = jTable1.getModel();*

*JRTableModelDataSource datasource = new JRTableModelDataSource(tm);*

*JasperPrint jp = JasperFillManager.fillReport(filePath, parameters, datasource);*

*// JasperExportManager.exportReportToHtmlFile(jp, "dasunHardware.html");*

*JasperViewer.viewReport(jp, false);*

*JasperPrintManager.printReport(jp, true);*

*//grn report*

*resetFields();*

*//supplier*

*jButton1.setEnabled(true);*

*jButton1.setText("Select Supplier");*

*jLabel2.setText("None");*

*jLabel4.setText("None");*

*jLabel6.setText("None");*

*jLabel8.setText("None");*

*//supplier*

*//payment*

*jLabel23.setText("0.00");*

*jTextField4.setText("");*

*jTextField4.setEditable(false);*

*jTextField3.setEditable(true);*

*jTextField3.setEnabled(true);*

*jLabel27.setText("0.00");*

*jComboBox1.setSelectedIndex(0);*

*isTotalPaymentUpdate = false;*

*//payment*

*DefaultTableModel dtm = (DefaultTableModel)jTable1.getModel();*

*dtm.setRowCount(0);*

*JOptionPane.showMessageDialog(this, "New GRN Created", "success", JOptionPane.INFORMATION\_MESSAGE);*

*//GRN item INSERT & stock INSERT or UPDATE*

*} catch (Exception e) {*

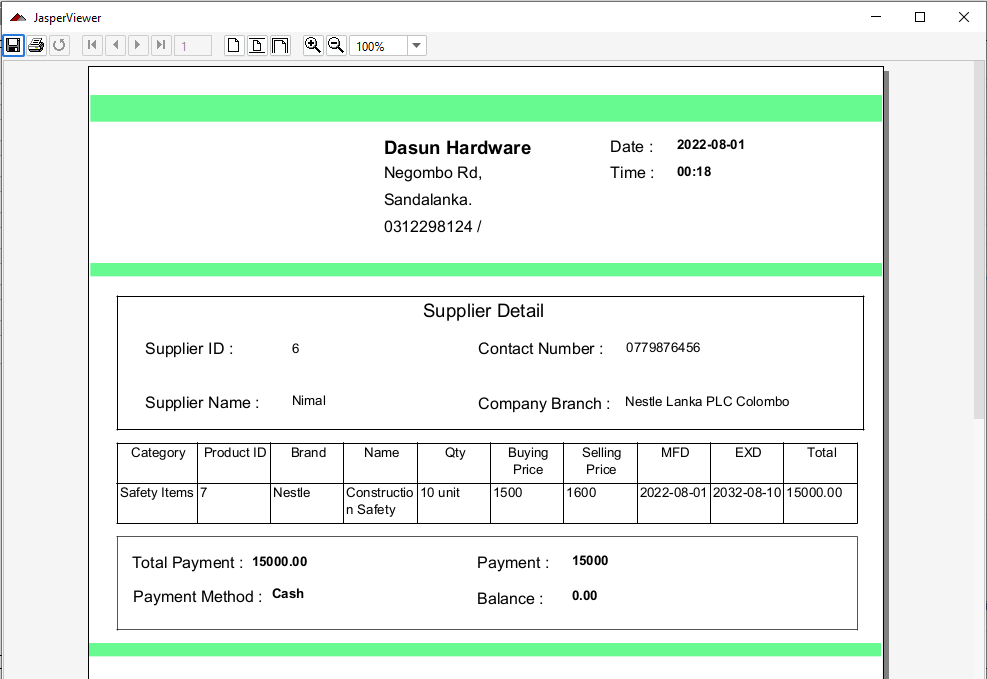
*e.printStackTrace();*

*}*

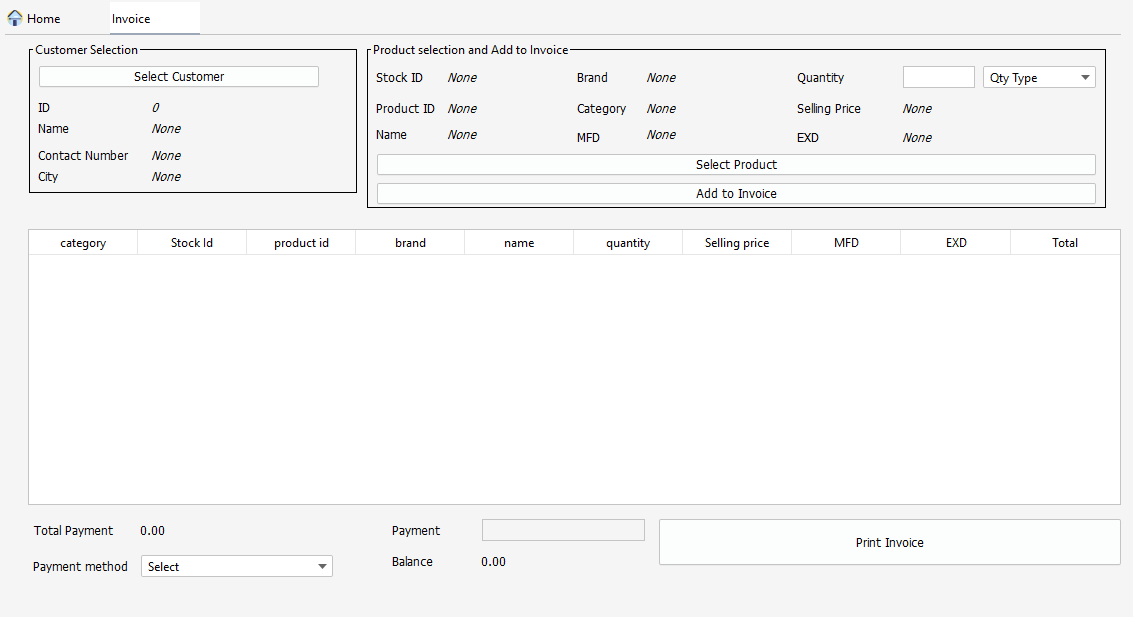
*}*

*}*

**GRN report**

****

**Invoice**

****

***Codes***

*DecimalFormat df = new DecimalFormat("0.00");*

*SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");*

*public Invoice() {*

*initComponents();*

*loadPaymentType();*

*loadQtyType();*

*}*

*public void loadQtyType(){*

*try{*

*ResultSet rs =MySQL.search("SELECT \* FROM `qty\_type`");*

*Vector v = new Vector();*

*v.add("Qty Type");*

*while(rs.next()){*

*v.add(rs.getString("name"));*

*}*

*jComboBox2.setModel(new DefaultComboBoxModel(v));*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void resetFields(){*

*jLabel10.setText("None");*

*jLabel32.setText("None");*

*jLabel11.setText("None");*

*jLabel14.setText("None");*

*jLabel16.setText("None");*

*jLabel33.setText("None");*

*jLabel30.setText("None");*

*jLabel34.setText("None");*

*jTextField1.setText("");*

*jComboBox2.setSelectedItem("Qty Type");*

*jTextField1.grabFocus();*

*}*

*public void updateTotal(){*

*double total = 0;*

*for(int i = 0; i<jTable1.getRowCount(); i++){*

*String t= jTable1.getValueAt(i, 9).toString();*

*total = total + Double.parseDouble(t);*

*}*

*System.out.println(total);*

*jLabel20.setText(df.format(total));*

*}*

*public void loadPaymentType(){*

*try{*

*ResultSet rs =MySQL.search("SELECT \* FROM `payment\_type`");*

*Vector v = new Vector();*

*v.add("Select");*

*while(rs.next()){*

*v.add(rs.getString("name"));*

*}*

*jComboBox1.setModel(new DefaultComboBoxModel(v));*

*System.out.println("user id"+SignIn.userId);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

***Buttons and Components***

*private void jButton1MouseClicked(java.awt.event.MouseEvent evt) {*

*// TODO add your handling code here:*

*if(evt.getClickCount()==2){*

*jButton1.setText("Select Customer");*

*jButton1.setEnabled(true);*

*jLabel2.setText("None");*

*jLabel4.setText("None");*

*jLabel5.setText("None");*

*jLabel7.setText("None");*

*}*

*}*

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

*// TODO add your handling code here:*

*CustomerRegistration cr = new CustomerRegistration(this);*

*cr.setVisible(true);*

*}*

*private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {*

*// TODO add your handling code here:*

*}*

*private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String qty = jTextField1.getText();*

*String text = qty + evt.getKeyChar();*

*if(!Pattern.compile("[1-9][0-9]\*").matcher(text).matches()){*

*evt.consume();*

*}*

*}*

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

*String cid = "0";*

*String sid = jLabel10.getText();*

*String pid = jLabel32.getText();*

*String name = jLabel11.getText();*

*String brand = jLabel14.getText();*

*String category = jLabel16.getText();*

*String mfd = jLabel33.getText();*

*String qty = jTextField1.getText().toLowerCase();*

*String qty\_type = jComboBox2.getSelectedItem().toString();*

*String sp = jLabel30.getText();*

*String exd = jLabel34.getText();*

*if(sid.equals("None")){*

*JOptionPane.showMessageDialog(this, "Please select product", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("[1-9][0-9]\*").matcher(qty).matches()){*

*JOptionPane.showMessageDialog(this, "Invalid qty", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(qty\_type.equals("Qty Type")){*

*JOptionPane.showMessageDialog(this, "Please Select qty type", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*try {*

*ResultSet rs = MySQL.search("SELECT \* FROM `stock` WHERE `stock`.`id`='"+sid+"'");*

*rs.next();*

*String availableQty = rs.getString("quantity");*

*if(Integer.parseInt(availableQty)<Integer.parseInt(qty)){*

*JOptionPane.showMessageDialog(this, "Quantity out of stock", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*DefaultTableModel dtm = (DefaultTableModel)jTable1.getModel();*

*boolean isFound=false;*

*int x=-1;*

*for(int i=0; i<dtm.getRowCount(); i++){*

*String id = jTable1.getValueAt(i, 1).toString();*

*if(id.equals(sid)){*

*isFound=true;*

*x=i;*

*break;*

*}*

*}*

*if(isFound){*

*int option = JOptionPane.showConfirmDialog(this, "this product is already added. do you want update?", "confirmation", JOptionPane.YES\_NO\_OPTION, JOptionPane.INFORMATION\_MESSAGE);*

*if(option==JOptionPane.YES\_OPTION){*

*String beforeAddedQty = jTable1.getValueAt(x, 5).toString();*

*String[] q\_name = beforeAddedQty.split(" ");*

*String sQty = "";*

*String sQtyType = "";*

*int fl = 0;*

*for(String a : q\_name){*

*fl = fl +1;*

*if(fl == 1){*

*sQty = a;*

*}*

*if(fl == 2){*

*sQtyType = a;*

*}*

*}*

*int oldQty = Integer.parseInt(sQty);*

*int finalQty = oldQty + Integer.parseInt(qty);*

*//check stock*

*ResultSet rs1 = MySQL.search("SELECT \* FROM `stock` WHERE `stock`.`id`='"+sid+"'");*

*rs1.next();*

*String availableQty1 = rs1.getString("quantity");*

*if(Integer.parseInt(availableQty1)<finalQty){*

*JOptionPane.showMessageDialog(this, "Quantity out of stock", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*jTable1.setValueAt(String.valueOf(finalQty), x, 5);*

*double updateItemTotal = finalQty \* Double.parseDouble(sp);*

*jTable1.setValueAt(String.valueOf(updateItemTotal), x, 9);*

*updateTotal();*

*}*

*//check stock*

*}*

*resetFields();*

*}else{*

*Vector v = new Vector();*

*v.add(category);*

*v.add(sid);*

*v.add(pid);*

*v.add(brand);*

*v.add(name);*

*v.add(qty+" "+qty\_type);*

*v.add(sp);*

*v.add(mfd);*

*v.add(exd);*

*double itemtotal = Integer.parseInt(qty)\*Double.parseDouble(sp);*

*v.add(df.format(itemtotal));*

*dtm.addRow(v);*

*updateTotal();*

*resetFields();*

*JOptionPane.showMessageDialog(this, "Product added to the Invoice", "Success", JOptionPane.INFORMATION\_MESSAGE);*

*}*

*}*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*}*

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

*// TODO add your handling code here:*

*Stock1 s1 = new Stock1(this);*

*s1.setVisible(true);*

*}*

*private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {*

*// TODO add your handling code here:*

*if(evt.getClickCount()==2){*

*int r = jTable1.getSelectedRow();*

*if(r==-1){*

*JOptionPane.showMessageDialog(this, "Pleace select a Product", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*int option = JOptionPane.showConfirmDialog(this, "Do you want to remove this item?", "confirmation", JOptionPane.YES\_NO\_OPTION, JOptionPane.INFORMATION\_MESSAGE);*

*if(option == JOptionPane.YES\_OPTION){*

*DefaultTableModel dtm = (DefaultTableModel) jTable1.getModel();*

*dtm.removeRow(r);*

*updateTotal();*

*//payment*

*jTextField3.setText("");*

*jTextField3.setEditable(false);*

*jLabel24.setText("0.00");*

*jComboBox1.setSelectedIndex(0);*

*//payment*

*JOptionPane.showMessageDialog(this, "Invoice item removed", "success", JOptionPane.INFORMATION\_MESSAGE);*

*}*

*}*

*}*

*}*

*private void jComboBox1ItemStateChanged(java.awt.event.ItemEvent evt) {*

*// TODO add your handling code here:*

*String text = jComboBox1.getSelectedItem().toString();*

*if(text.equals("Select")){*

*jTextField3.setEditable(false);*

*jTextField3.setText("");*

*jLabel24.setText("0.00");*

*jLabel24.setForeground(Color.BLACK);*

*}else{*

*jTextField3.setEditable(true);*

*}*

*}*

*private void jTextField3KeyReleased(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*if(jTextField3.getText().isEmpty()){*

*jLabel24.setText("0.00");*

*jLabel24.setForeground(Color.BLACK);*

*}else{*

*String total = jLabel20.getText();*

*String payment = jTextField3.getText();*

*double balance = Double.parseDouble(total) - Double.parseDouble(payment);*

*if(balance<0){*

*jLabel24.setForeground(Color.RED);*

*}else{*

*jLabel24.setForeground(Color.GREEN);*

*}*

*jLabel24.setText(df.format(balance));*

*}*

*}*

*private void jTextField3KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String price = jTextField3.getText();*

*String text = price + evt.getKeyChar();*

*if(!Pattern.compile("(0|0[.]|0[.][0-9]\*)|[1-9]|[1-9][0-9]\*|[1-9][0-9]\*[.]|[1-9][0-9]\*[.][0-9]\*").matcher(text).matches()){*

*evt.consume();*

*}*

*}*

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

*String paymentType = jComboBox1.getSelectedItem().toString();*

*String payment = jTextField3.getText();*

*String total\_payment = jTextField3.getText();*

*if(jTable1.getRowCount() == 0){*

*JOptionPane.showMessageDialog(this, "please add product", "WARNING", JOptionPane.WARNING\_MESSAGE);*

*}else if(paymentType.equals("SELECT")){*

*JOptionPane.showMessageDialog(this, "please select payment method", "WARNING", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("[0]|(0|0[.]|0[.][0-9]\*)|[1-9]|[1-9][0-9]\*|[1-9][0-9]\*[.]|[1-9][0-9]\*[.][0-9]\*").matcher(payment).matches()){*

*JOptionPane.showMessageDialog(this, "invalid payment", "WARNING", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*//Invoice insert*

*long mTime = System.currentTimeMillis();*

*String uniqueId = mTime+"-"+SignIn.userId;*

*System.out.println(SignIn.userId);*

*String cid = jLabel2.getText();*

*String c\_name = jLabel4.getText();*

*String c\_contact = jLabel5.getText();*

*String city = jLabel7.getText();*

*SimpleDateFormat sdf2 = new SimpleDateFormat("yyyy-MM-dd HH:mm:ss");*

*String dNow = sdf2.format(new Date());*

*MySQL.iud("INSERT INTO `invoice`(`customer\_id`,`date\_time`,`user\_id`,`unique\_id`) VALUES('"+cid+"','"+dNow+"','"+SignIn.userId+"','"+uniqueId+"')");*

*//grn insert*

*try {*

*//grn payment insert*

*ResultSet rs = MySQL.search("SELECT \* FROM `invoice` WHERE `unique\_id`='"+uniqueId+"'");*

*rs.next();*

*String id = rs.getString("id");*

*ResultSet rs2 = MySQL.search("SELECT \* FROM `payment\_type` WHERE `name`='"+paymentType+"'");*

*rs2.next();*

*String paymentTypeId = rs2.getString("id");*

*String balance = jLabel24.getText();*

*MySQL.iud("INSERT INTO `invoice\_payment`(`invoice\_id`,`payment\_type\_id`,`payment`,`balance`) VALUES('"+id+"','"+paymentTypeId+"','"+payment+"','"+balance+"')");*

*//grn payment insert*

*for(int i = 0; i < jTable1.getRowCount(); i++){*

*String sid = jTable1.getValueAt(i, 1).toString();*

*String tQty = jTable1.getValueAt(i, 5).toString();*

*String[] name = tQty.split(" ");*

*String sQty = "";*

*String sQtyType = "";*

*int fl = 0;*

*for(String a : name){*

*fl = fl +1;*

*if(fl == 1){*

*sQty = a;*

*}*

*if(fl == 2){*

*sQtyType = a;*

*}*

*}*

*ResultSet rs6 = MySQL.search("SELECT `id` FROM `qty\_type` WHERE `name`='"+sQtyType+"'");*

*rs6.next();*

*String sQtyTypeId = rs6.getString("id");*

*ResultSet rs3 = MySQL.search("SELECT \* FROM `stock` WHERE `stock`.`id`='"+sid+"'");*

*rs3.next();*

*String availableQty = rs3.getString("quantity");*

*System.out.println("available qty : "+availableQty);*

*System.out.println("buying qty : "+sQty);*

*int updatedQty = Integer.parseInt(availableQty) - Integer.parseInt(sQty);*

*System.out.println("update qty : "+updatedQty);*

*MySQL.iud("UPDATE `stock` SET `quantity`='"+updatedQty+"' WHERE `id`='"+sid+"'");*

*MySQL.iud("INSERT INTO `invoice\_item`(`qty`,`qty\_type\_id`,`invoice\_id`,`stock\_id`) VALUES('"+sQty+"','"+sQtyTypeId +"','"+id+"','"+sid+"')");*

*}*

*//invoice report*

*InputStream filePath = GRN.class.getResourceAsStream("/reports/hms\_invoice.jasper");*

*// String filePath = "src//reports//hms\_invoice.jasper";*

*// JasperReport jr = JasperCompileManager.compileReport(filePath);*

*HashMap parameters = new HashMap();*

*parameters.put("customer\_name",c\_name);*

*parameters.put("total\_payment",total\_payment);*

*parameters.put("payment\_method",paymentType);*

*parameters.put("payment",payment);*

*parameters.put("balance",balance);*

*TableModel tm = jTable1.getModel();*

*JRTableModelDataSource datasource = new JRTableModelDataSource(tm);*

*JasperPrint jp = JasperFillManager.fillReport(filePath, parameters, datasource);*

*// JasperExportManager.exportReportToHtmlFile(jp, "dasunHardware.html");*

*JasperViewer.viewReport(jp, false);*

*JasperPrintManager.printReport(jp, true);*

*//invoice report*

*resetFields();*

*//Customer*

*jButton1.setEnabled(true);*

*jButton1.setText("Select Customer");*

*jLabel2.setText("0");*

*jLabel4.setText("None");*

*jLabel5.setText("None");*

*jLabel7.setText("None");*

*//Customer*

*//payment*

*jLabel20.setText("0.00");*

*jTextField3.setText("");*

*jTextField3.setEditable(false);*

*jLabel24.setText("0.00");*

*jComboBox1.setSelectedIndex(0);*

*//payment*

*DefaultTableModel dtm = (DefaultTableModel)jTable1.getModel();*

*dtm.setRowCount(0);*

*JOptionPane.showMessageDialog(this, "New Invoice Created", "success", JOptionPane.INFORMATION\_MESSAGE);*

*} catch (Exception e) {*

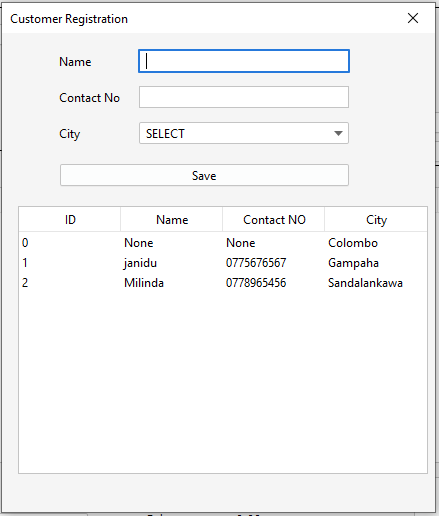
*e.printStackTrace();*

*}*

*}*

*}*

**Customer registration**



***Codes***

*public CustomerRegistration(java.awt.Frame parent, boolean modal) {*

*super(parent, modal);*

*initComponents();*

*loadCities();*

*loadCustomers();*

*}*

*Invoice invoice;*

*public CustomerRegistration(Invoice parent) {*

*this.invoice = parent;*

*initComponents();*

*loadCustomers();*

*loadCities();*

*}*

*Rent rent;*

*public CustomerRegistration(Rent parent) {*

*this.rent = parent;*

*initComponents();*

*loadCustomersRent();*

*loadCities();*

*}*

*public void loadCities(){*

*try{*

*ResultSet rs=MySQL.search("SELECT \* FROM `city`");*

*Vector v = new Vector();*

*v.add("SELECT");*

*while(rs.next()){*

*v.add(rs.getString("name"));*

*}*

*DefaultComboBoxModel dcm = new DefaultComboBoxModel(v);*

*jComboBox1.setModel(dcm);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void loadCustomers(){*

*try{*

*ResultSet rs = MySQL.search("SELECT `customer`.`id`,`customer`.`name`,`customer`.`contact\_number`,`city`.`name` AS `city\_name` FROM `customer` INNER JOIN `city` ON `customer`.`city\_id`=`city`.`id` ORDER BY `customer`.`id` ASC");*

*DefaultTableModel dtm = (DefaultTableModel)jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("id"));*

*v.add(rs.getString("name"));*

*v.add(rs.getString("contact\_number"));*

*v.add(rs.getString("city\_name"));*

*dtm.addRow(v);*

*}*

*jTable1.setModel(dtm);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void loadCustomersRent(){*

*try{*

*ResultSet rs = MySQL.search("SELECT `customer`.`id`,`customer`.`name`,`customer`.`contact\_number`,`city`.`name` AS `city\_name` FROM `customer` INNER JOIN `city` ON `customer`.`city\_id`=`city`.`id` WHERE `customer`.`id`!='0' ORDER BY `customer`.`id` ASC");*

*DefaultTableModel dtm = (DefaultTableModel)jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("id"));*

*v.add(rs.getString("name"));*

*v.add(rs.getString("contact\_number"));*

*v.add(rs.getString("city\_name"));*

*dtm.addRow(v);*

*}*

*jTable1.setModel(dtm);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

***Buttons and Components***

*private void jTextField2KeyReleased(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*if(jTextField2.getText().length()==10){*

*jTextField2.setEditable(false);*

*}*

*}*

*private void jTextField2KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String mobile = jTextField2.getText();*

*String text = mobile + evt.getKeyChar();*

*if(text.length()==1){*

*if(!text.equals("0")){*

*evt.consume();*

*}*

*}else if(text.length()==2){*

*if(!text.equals("07")){*

*evt.consume();*

*}*

*}else if(text.length()==3){*

*if(!Pattern.compile("07[01245678]").matcher(text).matches()){*

*evt.consume();*

*}*

*}else if(text.length()<=10){*

*if(!Pattern.compile("07[01245678][0-9]+").matcher(text).matches()){*

*evt.consume();*

*}*

*}else{*

*evt.consume();*

*}*

*}*

*private void jTextField2MouseClicked(java.awt.event.MouseEvent evt) {*

*// TODO add your handling code here:*

*if(evt.getClickCount()==2){*

*jTextField2.setEditable(true);*

*jTextField2.setText("");*

*jTextField2.grabFocus();*

*}*

*}*

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

*// TODO add your handling code here:*

*String name = jTextField1.getText();*

*String contact\_no = jTextField2.getText();*

*String city = jComboBox1.getSelectedItem().toString();*

*if(name.isEmpty()){*

*JOptionPane.showMessageDialog(this, "Please enter name", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("07[01245678][0-9]+").matcher(contact\_no).matches()){*

*JOptionPane.showMessageDialog(this, "Please enter Contact Number", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(city.equals("SELECT")){*

*JOptionPane.showMessageDialog(this, "Please enter city", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*try{*

*ResultSet rs1 = MySQL.search("SELECT `id` FROM `city` WHERE `name`='"+city+"'");*

*rs1.next();*

*String city\_id = rs1.getString("id");*

*MySQL.iud("INSERT INTO `customer`(`name`,`contact\_number`,`city\_id`) VALUES('"+name+"','"+contact\_no+"',"+Integer.parseInt(city\_id)+")");*

*loadCustomers();*

*jTextField1.setText("");*

*jTextField2.setText("");*

*jComboBox1.setSelectedIndex(0);*

*jTextField1.grabFocus();*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*}*

*private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {*

*// TODO add your handling code here:*

*if(evt.getClickCount()==2){*

*int r = jTable1.getSelectedRow();*

*if(r==-1){*

*JOptionPane.showMessageDialog(this, "please select a Customer", "success", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*if(invoice!=null){*

*String id = jTable1.getValueAt(r, 0).toString();*

*String name = jTable1.getValueAt(r, 1).toString();*

*String mobile = jTable1.getValueAt(r, 2).toString();*

*String city = jTable1.getValueAt(r, 3).toString();*

*invoice.jLabel2.setText(id);*

*invoice.jLabel4.setText(name);*

*invoice.jLabel5.setText(mobile);*

*invoice.jLabel7.setText(city);*

*invoice.jButton1.setText("Update Suplier");*

*invoice.jButton1.setEnabled(false);*

*this.dispose();*

*}*

*if(rent != null){*

*String id = jTable1.getValueAt(r, 0).toString();*

*String name = jTable1.getValueAt(r, 1).toString();*

*String mobile = jTable1.getValueAt(r, 2).toString();*

*String city = jTable1.getValueAt(r, 3).toString();*

*rent.jLabel2.setText(id);*

*rent.jLabel4.setText(name);*

*rent.jLabel6.setText(mobile);*

*rent.jButton1.setText("Update Suplier");*

*rent.jButton1.setEnabled(false);*

*this.dispose();*

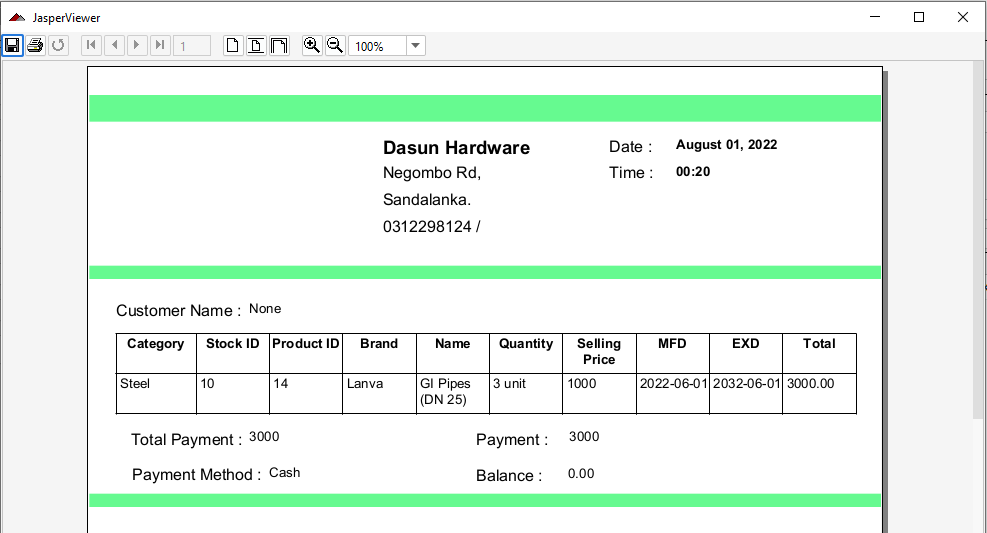
*}*

*}*

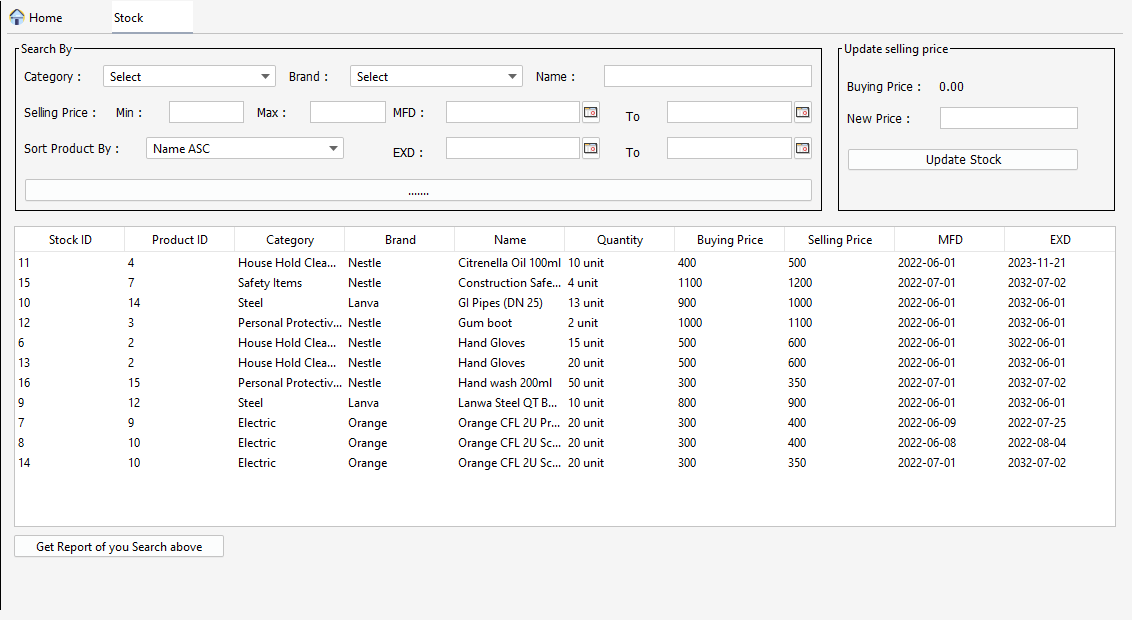
*}*

*}*

**Invoice report**



**Stock**

****

***Codes***

*public Stock() {*

*initComponents();*

*loadCategories();*

*loadBrands();*

*loadStock();*

*}*

*public void loadStock(){*

*try{*

*ResultSet rs = MySQL.search("SELECT DISTINCT `stock`.`id`,`product`.`id`,`category`.`name`,`brand`.`name`,`product`.`name`,`stock`.`quantity`,`qty\_type`.`name`,`grn\_item`.`buying\_price`,`stock`.`selling\_price`,`stock`.`mfd`,`stock`.`exd` FROM `stock` INNER JOIN `grn\_item` ON `grn\_item`.`stock\_id`=`stock`.`id` INNER JOIN `qty\_type` ON `stock`.`qty\_type\_id`=`qty\_type`.`id` INNER JOIN `product` ON `stock`.`product\_id`=`product`.`id` INNER JOIN `brand` ON `product`.`brand\_id`=`brand`.`id` INNER JOIN `category` ON `product`.`category\_id`=`category`.`id` WHERE `stock`.`quantity`>'0' ORDER BY `product`.`name` ASC");*

*DefaultTableModel dtm = (DefaultTableModel) jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("stock.id"));*

*v.add(rs.getString("product.id"));*

*v.add(rs.getString("category.name"));*

*v.add(rs.getString("brand.name"));*

*v.add(rs.getString("product.name"));*

*v.add(rs.getString("stock.quantity")+" "+rs.getString("qty\_type.name"));*

*v.add(rs.getString("grn\_item.buying\_price"));*

*v.add(rs.getString("stock.selling\_price"));*

*v.add(rs.getString("stock.mfd"));*

*v.add(rs.getString("stock.exd"));*

*dtm.addRow(v);*

*}*

*jTable1.setModel(dtm);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void searchStock(){*

*try{*

*String category = jComboBox1.getSelectedItem().toString();*

*String brand = jComboBox2.getSelectedItem().toString();*

*String name = jTextField1.getText();*

*String sp\_min = jTextField2.getText();*

*String sp\_max = jTextField3.getText();*

*SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");*

*String mfd\_fr = null;*

*String mfd\_to = null;*

*String exd\_fr = null;*

*String exd\_to = null;*

*if(jDateChooser1.getDate() != null){*

*mfd\_fr = sdf.format(jDateChooser1.getDate());*

*System.out.println(mfd\_fr);*

*}*

*if(jDateChooser2.getDate() != null){*

*System.out.println(jDateChooser2.getDate());*

*mfd\_to = sdf.format(jDateChooser2.getDate());*

*}*

*if(jDateChooser3.getDate() != null){*

*System.out.println(jDateChooser3.getDate());*

*exd\_fr = sdf.format(jDateChooser3.getDate());*

*}*

*if(jDateChooser4.getDate() != null){*

*System.out.println(jDateChooser4.getDate());*

*exd\_to = sdf.format(jDateChooser4.getDate());*

*}*

*int sort = jComboBox3.getSelectedIndex();*

*Vector queryVector = new Vector();*

*//category*

*if(category.equals("Select")){*

*}else{*

*queryVector.add("`category`.`name`='"+category+"'");*

*}*

*//brand*

*if(brand.equals("Select")){*

*}else{*

*queryVector.add("`brand`.`name`='"+brand+"'");*

*}*

*//name*

*if(name.isEmpty()){*

*}else{*

*queryVector.add("`product`.`name` LIKE '%"+name+"%'");*

*}*

*if(!sp\_min.isEmpty()){*

*if(sp\_max.isEmpty()){*

*queryVector.add("`stock`.`selling\_price` >= '"+sp\_min+"'");*

*}else{*

*queryVector.add("`stock`.`selling\_price` >= '"+sp\_min+"' AND `stock`.`selling\_price`<='"+sp\_max+"'");*

*}*

*}*

*if(!sp\_max.isEmpty()){*

*if(sp\_min.isEmpty()){*

*queryVector.add("`stock`.`selling\_price` <= '"+sp\_max+"'");*

*}*

*}*

*//mfd from*

*if(mfd\_fr!=null){*

*if(mfd\_to==null){*

*queryVector.add("`stock`.`mfd` >= '"+mfd\_fr+"'");*

*}else{*

*queryVector.add("`stock`.`mfd` >= '"+mfd\_fr+"' AND `stock`.`mfd`<= '"+mfd\_to+"'");*

*}*

*}*

*if(mfd\_to!=null){*

*if(mfd\_fr==null){*

*queryVector.add("`stock`.`mfd`<= '"+mfd\_to+"'");*

*}*

*}*

*//exd from*

*if(exd\_fr!=null){*

*if(exd\_to==null){*

*queryVector.add("`stock`.`exd` >= '"+exd\_fr+"'");*

*}else{*

*queryVector.add("`stock`.`exd` >= '"+exd\_fr+"' AND `stock`.`exd`<= '"+exd\_to+"'");*

*}*

*}*

*if(exd\_to!=null){*

*if(exd\_fr==null){*

*queryVector.add("`stock`.`exd` <= '"+exd\_to+"'");*

*}*

*}*

*String wherequery = "";*

*if(!category.equals("Select") || !brand.equals("Select") || !name.isEmpty() || !sp\_min.isEmpty() || !sp\_max.isEmpty() || mfd\_fr != null || mfd\_to != null || exd\_fr != null || exd\_to != null){*

*wherequery = "AND";*

*for(int i=0; i<queryVector.size(); i++){*

*wherequery += " ";*

*wherequery += queryVector.get(i);*

*wherequery += " ";*

*if(i != queryVector.size()-1){*

*wherequery += "AND";*

*}*

*}*

*}*

*//order by query part*

*String sortquery;*

*if(sort==0){*

*sortquery = "`product`.`name` ASC";*

*}else if(sort==1){*

*sortquery = "`product`.`name` DESC";*

*}else if(sort==2){*

*sortquery = "`stock`.`selling\_price` ASC";*

*}else if(sort==3){*

*sortquery = "`stock`.`selling\_price` DESC";*

*}else if(sort==4){*

*sortquery = "`stock`.`quantity` ASC";*

*}else if(sort==5){*

*sortquery = "`stock`.`quantity` DESC";*

*}else if(sort==6){*

*sortquery = "`stock`.`exd` ASC";*

*}else{*

*sortquery = "`stock`.`exd` DESC";*

*}*

*//order by query part*

*ResultSet rs = MySQL.search("SELECT DISTINCT `stock`.`id`,`product`.`id`,`category`.`name`,`brand`.`name`,`product`.`name`,`stock`.`quantity`,`qty\_type`.`name`,`grn\_item`.`buying\_price`,`stock`.`selling\_price`,`stock`.`mfd`,`stock`.`exd` FROM `stock` INNER JOIN `grn\_item` ON `grn\_item`.`stock\_id`=`stock`.`id` INNER JOIN `qty\_type` ON `stock`.`qty\_type\_id`=`qty\_type`.`id` INNER JOIN `product` ON `stock`.`product\_id`=`product`.`id` INNER JOIN `brand` ON `product`.`brand\_id`=`brand`.`id` INNER JOIN `category` ON `product`.`category\_id`=`category`.`id` WHERE `stock`.`quantity`>'0' "+wherequery+" ORDER BY "+sortquery+"");*

*DefaultTableModel dtm = (DefaultTableModel) jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("stock.id"));*

*v.add(rs.getString("product.id"));*

*v.add(rs.getString("category.name"));*

*v.add(rs.getString("brand.name"));*

*v.add(rs.getString("product.name"));*

*v.add(rs.getString("stock.quantity")+" "+rs.getString("qty\_type.name"));*

*v.add(rs.getString("grn\_item.buying\_price"));*

*v.add(rs.getString("stock.selling\_price"));*

*v.add(rs.getString("stock.mfd"));*

*v.add(rs.getString("stock.exd"));*

*dtm.addRow(v);*

*}*

*jTable1.setModel(dtm);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void loadBrands(){*

*try{*

*ResultSet rs =MySQL.search("SELECT `name` FROM `brand` ORDER BY `name` ASC");*

*Vector v = new Vector();*

*v.add("Select");*

*while(rs.next()){*

*v.add(rs.getString("name"));*

*}*

*jComboBox2.setModel(new DefaultComboBoxModel(v));*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void loadCategories(){*

*try{*

*ResultSet rs =MySQL.search("SELECT `name` FROM `category` ORDER BY `name` ASC");*

*Vector v = new Vector();*

*v.add("Select");*

*while(rs.next()){*

*v.add(rs.getString("name"));*

*}*

*jComboBox1.setModel(new DefaultComboBoxModel(v));*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void reset(){*

*jComboBox1.setSelectedIndex(0);*

*jComboBox2.setSelectedIndex(0);*

*jComboBox3.setSelectedIndex(0);*

*jTextField1.setText("");*

*jTextField2.setText("");*

*jTextField3.setText("");*

*jDateChooser1.setDate(null);*

*jDateChooser2.setDate(null);*

*jDateChooser3.setDate(null);*

*jDateChooser4.setDate(null);*

*jLabel13.setText("0.00");*

*jTextField4.setText("");*

*jTable1.clearSelection();*

*loadStock();*

*}*

***Buttons and Components***

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

*// TODO add your handling code here:*

*reset();*

*}*

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

*// TODO add your handling code here:*

*String buyingPrice = jLabel13.getText();*

*String newPrice = jTextField4.getText();*

*int selectedRow = jTable1.getSelectedRow();*

*if(selectedRow == -1){*

*JOptionPane.showMessageDialog(this, "Please Select a stock", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("(0)|([1-9][0-9]\*)|([0][.]([0]\*[1-9][0-9]\*))|(([1-9][0-9]\*)[.]([0]\*[1-9][0-9]\*))").matcher(newPrice).matches()){*

*JOptionPane.showMessageDialog(this, "Invalid selling price", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*String stock\_id = jTable1.getValueAt(selectedRow, 0).toString();*

*if(Double.parseDouble(newPrice)<=Double.parseDouble(buyingPrice)){*

*int x = JOptionPane.showConfirmDialog(this, "New Price Lower than or Equal buying price, Do you want to continue?", "warning", JOptionPane.YES\_NO\_OPTION, JOptionPane.WARNING\_MESSAGE);*

*if(x==JOptionPane.YES\_OPTION){*

*MySQL.iud("UPDATE `stock` SET `selling\_price`='"+newPrice+"' WHERE `id`='"+stock\_id+"'");*

*}*

*}else{*

*MySQL.iud("UPDATE `stock` SET `selling\_price`='"+newPrice+"' WHERE `id`='"+stock\_id+"'");*

*}*

*reset();*

*}*

*}*

*private void jComboBox1ItemStateChanged(java.awt.event.ItemEvent evt) {*

*// TODO add your handling code here:*

*searchStock();*

*}*

*private void jTextField2KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String price = jTextField2.getText();*

*String text = price + evt.getKeyChar();*

*if(!Pattern.compile("(0|0[.]|0[.][0-9]\*)|[1-9]|[1-9][0-9]\*|[1-9][0-9]\*[.]|[1-9][0-9]\*[.][0-9]\*").matcher(text).matches()){*

*evt.consume();*

*}*

*}*

*private void jTextField3KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String price = jTextField3.getText();*

*String text = price + evt.getKeyChar();*

*if(!Pattern.compile("(0|0[.]|0[.][0-9]\*)|[1-9]|[1-9][0-9]\*|[1-9][0-9]\*[.]|[1-9][0-9]\*[.][0-9]\*").matcher(text).matches()){*

*evt.consume();*

*}*

*}*

*private void jTextField4KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String price = jTextField4.getText();*

*String text = price + evt.getKeyChar();*

*if(!Pattern.compile("(0|0[.]|0[.][0-9]\*)|[1-9]|[1-9][0-9]\*|[1-9][0-9]\*[.]|[1-9][0-9]\*[.][0-9]\*").matcher(text).matches()){*

*evt.consume();*

*}*

*}*

*private void jComboBox2ItemStateChanged(java.awt.event.ItemEvent evt) {*

*// TODO add your handling code here:*

*searchStock();*

*}*

*private void jTextField1KeyReleased(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*searchStock();*

*}*

*private void jTextField2KeyReleased(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*searchStock();*

*}*

*private void jTextField3KeyReleased(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*searchStock();*

*}*

*private void jDateChooser1PropertyChange(java.beans.PropertyChangeEvent evt) {*

*// TODO add your handling code here:*

*searchStock();*

*}*

*private void jDateChooser2PropertyChange(java.beans.PropertyChangeEvent evt) {*

*// TODO add your handling code here:*

*searchStock();*

*}*

*private void jDateChooser3PropertyChange(java.beans.PropertyChangeEvent evt) {*

*// TODO add your handling code here:*

*searchStock();*

*}*

*private void jDateChooser4PropertyChange(java.beans.PropertyChangeEvent evt) {*

*// TODO add your handling code here:*

*searchStock();*

*}*

*private void jComboBox3ItemStateChanged(java.awt.event.ItemEvent evt) {*

*// TODO add your handling code here:*

*searchStock();*

*}*

*private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {*

*// TODO add your handling code here:*

*int selectedRow = jTable1.getSelectedRow();*

*if(selectedRow != -1){*

*String buying\_price = jTable1.getValueAt(selectedRow, 6).toString();*

*jLabel13.setText(buying\_price);*

*}*

*}*

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

*// TODO add your handling code here:*

*try {*

*//invoice report*

*InputStream filePath = GRN.class.getResourceAsStream("/reports/stock\_report\_hms.jasper");*

*// String filePath = "src//reports//stock\_report\_hms.jasper";*

*// JasperReport jr = JasperCompileManager.compileReport(filePath);*

*HashMap parameters = new HashMap();*

*TableModel tm = jTable1.getModel();*

*JRTableModelDataSource datasource = new JRTableModelDataSource(tm);*

*JasperPrint jp = JasperFillManager.fillReport(filePath, parameters, datasource);*

*// JasperExportManager.exportReportToHtmlFile(jp, "dasunHardware.html");*

*JasperViewer.viewReport(jp, false);*

*JasperPrintManager.printReport(jp, true);*

*//invoice report*

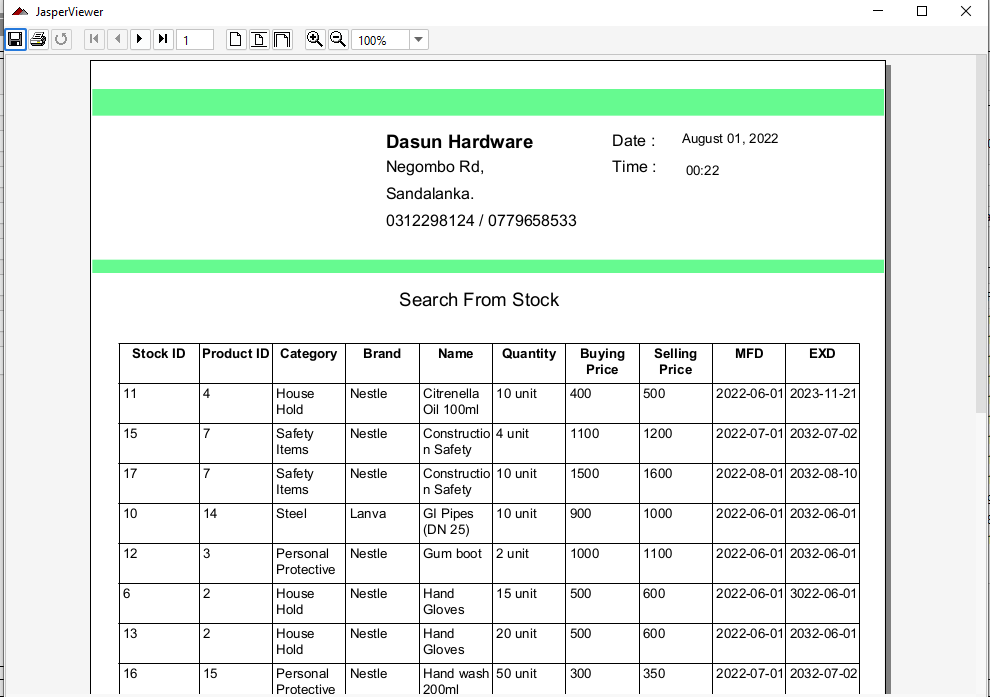
*} catch (Exception e) {*

*e.printStackTrace();*

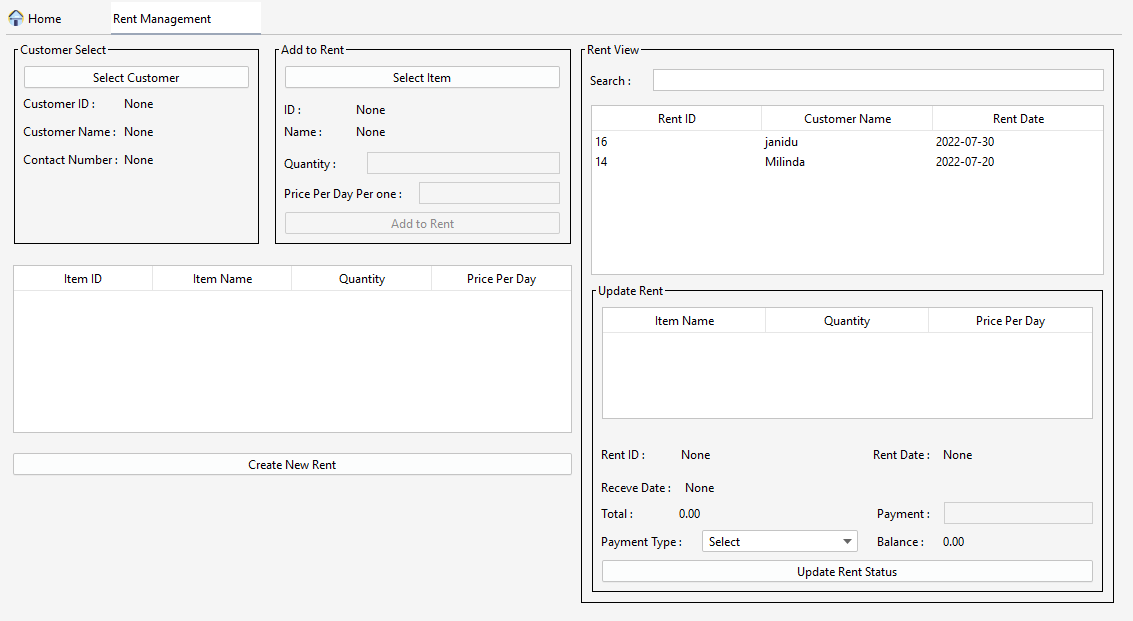
*}*

*}*

**Stock report**



**Rental item management**

****

***Codes***

*DecimalFormat df = new DecimalFormat("0.00");*

*SimpleDateFormat sdf1 = new SimpleDateFormat("yyyy-MM-dd");*

*Home home;*

*public Rent(Home home) {*

*this.home = home;*

*initComponents();*

*loadViewRent();*

*loadPaymentType();*

*}*

*public void loadRentUpdate(){*

*int selectedRow = jTable2.getSelectedRow();*

*System.out.println("selected Row :"+selectedRow);*

*if(selectedRow != -1){*

*String rent\_id = jTable2.getValueAt(selectedRow, 0).toString();*

*String rent\_date = jTable2.getValueAt(selectedRow, 2).toString();*

*try {*

*ResultSet rs = MySQL.search("SELECT `item\_rent`.`qty`,`item\_rent`.`rent\_price\_per\_day`,`rental\_item\_stock`.`name` AS `item\_name` FROM `item\_rent` INNER JOIN `rental\_item\_stock` ON `item\_rent`.`rental\_item\_stock\_id`=`rental\_item\_stock`.`id` WHERE `rent\_id`='"+rent\_id+"' ORDER BY `rental\_item\_stock`.`name` ASC");*

*DefaultTableModel dtm = (DefaultTableModel)jTable3.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v= new Vector();*

*v.add(rs.getString("item\_name"));*

*v.add(rs.getString("qty"));*

*v.add(rs.getString("rent\_price\_per\_day"));*

*dtm.addRow(v);*

*}*

*jTable3.setModel(dtm);*

*jLabel14.setText(rent\_id);*

*jLabel16.setText(rent\_date);*

*String dNow = sdf1.format(new Date());*

*// Date date\_today = new SimpleDateFormat("yyyy-MM-dd").parse(dNow);*

*// if(x==2){*

*// jDateChooser1.setDate(date\_today);*

*// }*

*jLabel17.setText(dNow);*

*// String d2 = sdf1.format(jDateChooser1.getDate()).toString();*

*String d2 = jLabel17.getText();*

*// System.out.println("d2 :"+d2);*

*long dif\_days = calDateDifference(rent\_date, d2);*

*// if(dif\_days < 0){*

*// JOptionPane.showMessageDialog(this, "Invalid Date", "warnning", JOptionPane.WARNING\_MESSAGE);*

*// jDateChooser1.setDate(date\_today);*

*// dif\_days = calDateDifference(rent\_date, dNow);*

*// }*

*double total = 0;*

*if(dif\_days!=0){*

*for(int i=0; i < jTable3.getRowCount(); i++){*

*total = total + (Double.parseDouble(jTable3.getValueAt(i, 2).toString())\*dif\_days);*

*}*

*}else{*

*for(int i=0; i < jTable3.getRowCount(); i++){*

*total = total + (Double.parseDouble(jTable3.getValueAt(i, 2).toString()));*

*}*

*}*

*jLabel25.setText(total+"");*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*}*

*public Long calDateDifference(String date1, String date2){*

*String d1 = date1;*

*String[] ydm1 = d1.split("-", -2);*

*String year1 = "";*

*String month1 = "";*

*String day1 = "";*

*int fl = 0;*

*for(String a : ydm1){*

*fl = fl +1;*

*// System.out.println(a);*

*if(fl == 1){*

*year1 = a;*

*}*

*if(fl == 2){*

*month1 = a;*

*}*

*if(fl == 3){*

*day1 = a;*

*}*

*}*

*String d2 = date2;*

*String[] ydm2 = d2.split("-", -2);*

*String year2 = "";*

*String month2 = "";*

*String day2 = "";*

*int f2 = 0;*

*for(String b : ydm2){*

*f2 = f2 +1;*

*// System.out.println(a);*

*if(f2 == 1){*

*year2 = b;*

*}*

*if(f2 == 2){*

*month2 = b;*

*}*

*if(f2 == 3){*

*day2 = b;*

*}*

*}*

*LocalDate de1 = LocalDate.of(Integer.parseInt(year1), Integer.parseInt(month1), Integer.parseInt(day1));*

*LocalDate de2 = LocalDate.of(Integer.parseInt(year2), Integer.parseInt(month2), Integer.parseInt(day2));*

*long days = ChronoUnit.DAYS.between(de1, de2);*

*System.out.println( days );*

*return days;*

*}*

*public void loadPaymentType(){*

*try{*

*ResultSet rs =MySQL.search("SELECT \* FROM `payment\_type`");*

*Vector v = new Vector();*

*v.add("Select");*

*while(rs.next()){*

*v.add(rs.getString("name"));*

*}*

*jComboBox1.setModel(new DefaultComboBoxModel(v));*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

*public void loadViewRent(){*

*try {*

*ResultSet rs = MySQL.search("SELECT `rent`.`id`,`rent\_date`,`customer`.`name` AS `c\_name` FROM `rent` INNER JOIN `customer` ON `rent`.`customer\_id`=`customer`.`id` WHERE `stat`='0'");*

*DefaultTableModel dtm = (DefaultTableModel)jTable2.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("id"));*

*v.add(rs.getString("c\_name"));*

*v.add(rs.getString("rent\_date"));*

*dtm.addRow(v);*

*}*

*jTable2.setModel(dtm);*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*public void searchViewRent(String text){*

*try {*

*ResultSet rs = MySQL.search("SELECT `rent`.`id`,`rent`.`rent\_date`,`customer`.`name` AS `c\_name` FROM `rent` INNER JOIN `customer` ON `rent`.`customer\_id`=`customer`.`id` WHERE `stat`='0' AND `customer`.`name` LIKE '%"+text+"%' ORDER BY `rent`.`id` DESC");*

*DefaultTableModel dtm = (DefaultTableModel)jTable2.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("id"));*

*v.add(rs.getString("c\_name"));*

*v.add(rs.getString("rent\_date"));*

*dtm.addRow(v);*

*}*

*jTable2.setModel(dtm);*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*public void resetFields(){*

*jLabel8.setText("None");*

*jLabel10.setText("None");*

*jTextField1.setText("");*

*jTextField2.setText("");*

*jButton3.setEnabled(false);*

*jTextField1.setEnabled(false);*

*jTextField2.setEnabled(false);*

*}*

***Buttons and Components***

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

*// TODO add your handling code here:*

*CustomerRegistration cr = new CustomerRegistration(this);*

*cr.setVisible(true);*

*}*

*private void jButton1MouseClicked(java.awt.event.MouseEvent evt) {*

*// TODO add your handling code here:*

*if(evt.getClickCount()==2){*

*jButton1.setText("Select Customer");*

*jButton1.setEnabled(true);*

*jLabel2.setText("None");*

*jLabel4.setText("None");*

*jLabel6.setText("None");*

*DefaultTableModel dtm = (DefaultTableModel)jTable1.getModel();*

*dtm.setRowCount(0);*

*}*

*}*

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

*// TODO add your handling code here:*

*RentalItemRegistration rir = new RentalItemRegistration(this);*

*rir.setVisible(true);*

*}*

*private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String qty = jTextField1.getText();*

*String text = qty + evt.getKeyChar();*

*if(!Pattern.compile("[1-9][0-9]\*").matcher(text).matches()){*

*evt.consume();*

*}*

*}*

*private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {*

*// TODO add your handling code here:*

*}*

*private void jTextField2KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String price = jTextField2.getText();*

*String text = price + evt.getKeyChar();*

*if(!Pattern.compile("(0|0[.]|0[.][0-9]\*)|[1-9]|[1-9][0-9]\*|[1-9][0-9]\*[.]|[1-9][0-9]\*[.][0-9]\*").matcher(text).matches()){*

*evt.consume();*

*}*

*}*

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

*// TODO add your handling code here:*

*String i\_id = jLabel8.getText().toString();*

*String i\_name = jLabel10.getText().toString();*

*String qty = jTextField1.getText().toString();*

*String price\_per\_day\_per\_one = jTextField2.getText().toString();*

*if(!Pattern.compile("[1-9][0-9]\*").matcher(qty).matches()){*

*JOptionPane.showMessageDialog(this, "Invalid qty", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("([1-9][0-9]\*)|([0][.]([0]\*[1-9][0-9]\*))|(([1-9][0-9]\*)[.]([0]\*[1-9][0-9]\*))").matcher(price\_per\_day\_per\_one).matches()){*

*JOptionPane.showMessageDialog(this, "Invalid price", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(jLabel4.getText().equals("None")){*

*JOptionPane.showMessageDialog(this, "Select Customer", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*try{*

*ResultSet rs = MySQL.search("SELECT \* FROM `rental\_item\_stock` WHERE `id`='"+i\_id+"'");*

*rs.next();*

*String availableQty = rs.getString("qty");*

*if(Integer.parseInt(availableQty)<Integer.parseInt(qty)){*

*JOptionPane.showMessageDialog(this, "Quantity out of stock", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*DefaultTableModel dtm = (DefaultTableModel)jTable1.getModel();*

*boolean isFound=false;*

*int x=-1;*

*for(int i=0; i<dtm.getRowCount(); i++){*

*String id = jTable1.getValueAt(i, 0).toString();*

*if(id.equals(i\_id)){*

*isFound=true;*

*x=i;*

*break;*

*}*

*}*

*if(isFound){*

*int option = JOptionPane.showConfirmDialog(this, "this Item is already added. do you want update?", "confirmation", JOptionPane.YES\_NO\_OPTION, JOptionPane.INFORMATION\_MESSAGE);*

*if(option==JOptionPane.YES\_OPTION){*

*int oldQty = Integer.parseInt(jTable1.getValueAt(x, 2).toString());*

*int finalQty = oldQty + Integer.parseInt(qty);*

*//check stock*

*ResultSet rs1 = MySQL.search("SELECT \* FROM `rental\_item\_stock` WHERE `id`='"+i\_id+"'");*

*rs1.next();*

*String availableQty1 = rs1.getString("qty");*

*if(Integer.parseInt(availableQty1)<finalQty){*

*JOptionPane.showMessageDialog(this, "Quantity out of stock", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*jTable1.setValueAt(String.valueOf(finalQty), x, 2);*

*double updatePricePerDayPerOne = finalQty \* Double.parseDouble(price\_per\_day\_per\_one);*

*jTable1.setValueAt(String.valueOf(updatePricePerDayPerOne), x, 3);*

*JOptionPane.showMessageDialog(this, "Update Item in list", "Success", JOptionPane.INFORMATION\_MESSAGE);*

*}*

*//check stock*

*}*

*resetFields();*

*}else{*

*DefaultTableModel dtm1 = (DefaultTableModel)jTable1.getModel();*

*Vector v = new Vector();*

*v.add(i\_id);*

*v.add(i\_name);*

*v.add(qty);*

*v.add(Double.parseDouble(price\_per\_day\_per\_one) \* Integer.parseInt(qty));*

*dtm1.addRow(v);*

*jTable1.setModel(dtm1);*

*JOptionPane.showMessageDialog(this, "Added new Item to list", "Success", JOptionPane.INFORMATION\_MESSAGE);*

*resetFields();*

*}*

*}*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*}*

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

*// TODO add your handling code here:*

*String c\_id = jLabel2.getText();*

*if(jTable1.getRowCount() == 0){*

*JOptionPane.showMessageDialog(this, "please add product", "WARNING", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*long mTime = System.currentTimeMillis();*

*String uniqueId = mTime+"";*

*SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");*

*String dNow = sdf.format(new Date());*

*MySQL.iud("INSERT INTO `rent`(`customer\_id`,`rent\_date`,`user\_id`,`stat`,`unique\_id`) VALUES('"+c\_id+"','"+dNow+"','"+SignIn.userId+"','0','"+uniqueId+"')");*

*//insert item rent*

*try {*

*ResultSet rs = MySQL.search("SELECT \* FROM `rent` WHERE `unique\_id`='"+uniqueId+"'");*

*rs.next();*

*String rent\_id = rs.getString("id");*

*for(int i=0; i<jTable1.getRowCount(); i++){*

*String item\_id = jTable1.getValueAt(i, 0).toString();*

*String qty = jTable1.getValueAt(i, 2).toString();*

*String price\_per\_day = jTable1.getValueAt(i, 3).toString();*

*ResultSet rs1 = MySQL.search("SELECT \* FROM `rental\_item\_stock` WHERE `id`='"+item\_id+"'");*

*rs1.next();*

*String available\_item\_qty = rs1.getString("qty");*

*int updatedQty = Integer.parseInt(available\_item\_qty) - Integer.parseInt(qty);*

*MySQL.iud("UPDATE `rental\_item\_stock` SET `qty`='"+updatedQty+"' WHERE `id`='"+item\_id+"'");*

*MySQL.iud("INSERT INTO `item\_rent`(`rental\_item\_stock\_id`,`qty`,`rent\_price\_per\_day`,`rent\_id`) VALUES('"+item\_id+"','"+qty+"','"+price\_per\_day+"','"+rent\_id+"')");*

*}*

*JOptionPane.showMessageDialog(this, "New rent added successful.", "success", JOptionPane.INFORMATION\_MESSAGE);*

*DefaultTableModel dtm1 = (DefaultTableModel)jTable1.getModel();*

*dtm1.setRowCount(0);*

*jButton1.setText("Select Customer");*

*jButton1.setEnabled(true);*

*jLabel2.setText("None");*

*jLabel4.setText("None");*

*jLabel6.setText("None");*

*loadViewRent();*

*home.jDesktopPane1.removeAll();*

*home.jDesktopPane1.revalidate();*

*home.jDesktopPane1.repaint();*

*home.viewRentHome();*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*//insert item rent*

*}*

*}*

*private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {*

*// TODO add your handling code here:*

*if(evt.getClickCount()==2){*

*int r = jTable1.getSelectedRow();*

*if(r==-1){*

*JOptionPane.showMessageDialog(this, "Pleace select a Item", "warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*int option = JOptionPane.showConfirmDialog(this, "Do you want to remove this item?", "confirmation", JOptionPane.YES\_NO\_OPTION, JOptionPane.INFORMATION\_MESSAGE);*

*if(option == JOptionPane.YES\_OPTION){*

*DefaultTableModel dtm = (DefaultTableModel) jTable1.getModel();*

*dtm.removeRow(r);*

*JOptionPane.showMessageDialog(this, "Item removed", "success", JOptionPane.INFORMATION\_MESSAGE);*

*}*

*}*

*}*

*}*

*private void jTextField4KeyReleased(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String text = jTextField4.getText();*

*searchViewRent(text);*

*}*

*private void jTable2MouseClicked(java.awt.event.MouseEvent evt) {*

*// TODO add your handling code here:*

*loadRentUpdate();*

*}*

*private void jComboBox1ItemStateChanged(java.awt.event.ItemEvent evt) {*

*// TODO add your handling code here:*

*String text = jComboBox1.getSelectedItem().toString();*

*if(text.equals("Select")){*

*jTextField3.setEditable(false);*

*jTextField3.setText("");*

*jLabel29.setText("0.00");*

*jLabel29.setForeground(Color.BLACK);*

*}else{*

*jTextField3.setEditable(true);*

*jTextField3.setEnabled(true);*

*}*

*}*

*private void jTextField3KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String price = jTextField3.getText();*

*String text = price + evt.getKeyChar();*

*if(!Pattern.compile("(0|0[.]|0[.][0-9]\*)|[1-9]|[1-9][0-9]\*|[1-9][0-9]\*[.]|[1-9][0-9]\*[.][0-9]\*").matcher(text).matches()){*

*evt.consume();*

*}*

*}*

*private void jTextField3KeyReleased(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*if(jTextField3.getText().isEmpty()){*

*jLabel29.setText("0.00");*

*jLabel29.setForeground(Color.BLACK);*

*}else{*

*String total = jLabel25.getText();*

*String payment = jTextField3.getText();*

*double balance = Double.parseDouble(total) - Double.parseDouble(payment);*

*if(balance<0){*

*jLabel29.setForeground(Color.RED);*

*}else{*

*jLabel29.setForeground(Color.GREEN);*

*}*

*jLabel29.setText(df.format(balance));*

*}*

*}*

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

*// TODO add your handling code here:*

*// String receve\_date = sdf1.format(jDateChooser1.getDate()).toString();*

*String receve\_date = jLabel17.getText();*

*String payment = jTextField3.getText();*

*String rent\_id = jLabel14.getText();*

*String payment\_method = jComboBox1.getSelectedItem().toString();*

*String balance = jLabel29.getText();*

*if(payment\_method.equals("SELECT")){*

*JOptionPane.showMessageDialog(this, "please select payment method", "WARNING", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("[0]|(0|0[.]|0[.][0-9]\*)|[1-9]|[1-9][0-9]\*|[1-9][0-9]\*[.]|[1-9][0-9]\*[.][0-9]\*").matcher(payment).matches()){*

*JOptionPane.showMessageDialog(this, "invalid payment", "WARNING", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*try {*

*ResultSet rs2 = MySQL.search("SELECT \* FROM `payment\_type` WHERE `name`='"+payment\_method+"'");*

*rs2.next();*

*String paymentTypeId = rs2.getString("id");*

*MySQL.iud("INSERT INTO `rental\_payment`(`payment`,`balance`,`rent\_id`,`payment\_type\_id`) VALUES('"+payment+"','"+balance+"','"+rent\_id+"','"+paymentTypeId+"')");*

*for(int i=0; i<jTable3.getRowCount(); i++){*

*String item\_name = jTable3.getValueAt(i, 0).toString();*

*String rent\_qty = jTable3.getValueAt(i, 1).toString();*

*ResultSet rs3 = MySQL.search("SELECT `qty` FROM `rental\_item\_stock` WHERE `name`='"+item\_name+"'");*

*rs3.next();*

*int u\_qty = (Integer.parseInt(rs3.getString("qty")) + Integer.parseInt(rent\_qty));*

*MySQL.iud("UPDATE `rental\_item\_stock` SET `qty`='"+u\_qty+"' WHERE `name`='"+item\_name+"'");*

*}*

*MySQL.iud("UPDATE `rent` SET `receve\_date`='"+receve\_date+"',`stat`='1' WHERE `id`='"+rent\_id+"'");*

*JOptionPane.showMessageDialog(this, "Rent Update Successful", "Success", JOptionPane.INFORMATION\_MESSAGE);*

*String c\_name = jTable2.getValueAt(jTable2.getSelectedRow(), 1).toString();*

*String r\_date = jLabel16.getText();*

*//rent report*

*InputStream filePath = GRN.class.getResourceAsStream("/reports/rent\_hms.jasper");*

*// String filePath = "src//reports//rent\_hms.jasper";*

*// JasperReport jr = JasperCompileManager.compileReport(filePath);*

*HashMap parameters = new HashMap();*

*parameters.put("c\_name",c\_name);*

*parameters.put("r\_date",r\_date);*

*parameters.put("receve\_date",receve\_date);*

*parameters.put("tot",jLabel25.getText());*

*parameters.put("p\_type",payment\_method);*

*parameters.put("payment",payment);*

*parameters.put("balance",balance);*

*TableModel tm = jTable3.getModel();*

*JRTableModelDataSource datasource = new JRTableModelDataSource(tm);*

*JasperPrint jp = JasperFillManager.fillReport(filePath, parameters, datasource);*

*// JasperExportManager.exportReportToHtmlFile(jp, "dasunHardware.html");*

*JasperViewer.viewReport(jp, false);*

*JasperPrintManager.printReport(jp, true);*

*//rent report*

*loadViewRent();*

*jTable2.clearSelection();*

*DefaultTableModel dtm = (DefaultTableModel)jTable3.getModel();*

*dtm.setRowCount(0);*

*jLabel14.setText("None");*

*jLabel16.setText("None");*

*// jDateChooser1.setDate(null);*

*jLabel17.setText("None");*

*jLabel25.setText("0.00");*

*jTextField3.setText("");*

*jTextField3.setEnabled(false);*

*jComboBox1.setSelectedIndex(0);*

*jLabel29.setText("0.00");*

*home.jDesktopPane1.removeAll();*

*home.jDesktopPane1.revalidate();*

*home.jDesktopPane1.repaint();*

*home.viewRentHome();*

*} catch (Exception e) {*

*e.printStackTrace();*

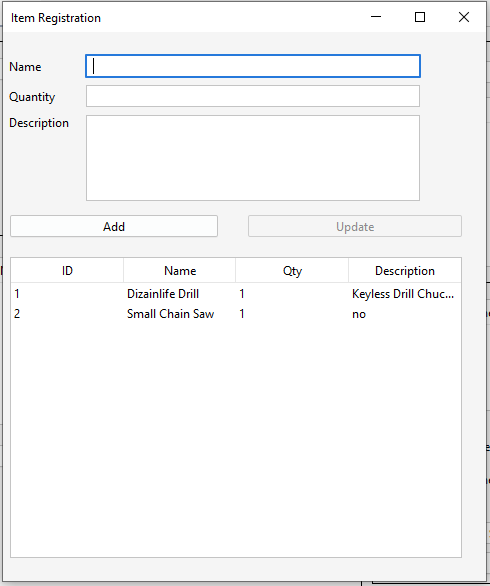
*}*

*}*

*}*

*int x = 0;*

**Rental item registration**



***Codes***

*public RentalItemRegistration() {*

*initComponents();*

*loadItem();*

*}*

*Rent rent;*

*public RentalItemRegistration(Rent rent) {*

*this.rent = rent;*

*initComponents();*

*loadItem();*

*}*

*public void loadItem(){*

*try{*

*ResultSet rs = MySQL.search("SELECT \* FROM `rental\_item\_stock` ORDER BY `id` ASC");*

*DefaultTableModel dtm = (DefaultTableModel) jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("id"));*

*v.add(rs.getString("name"));*

*v.add(rs.getString("qty"));*

*v.add(rs.getString("description"));*

*dtm.addRow(v);*

*}*

*jTable1.setModel(dtm);*

*}catch(Exception e){*

*e.printStackTrace();*

*}*

*}*

***Button and Components***

*private void jTextField2KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String price = jTextField2.getText();*

*String text = price + evt.getKeyChar();*

*if(!Pattern.compile("[0]|[1-9][0-9]\*").matcher(text).matches()){*

*evt.consume();*

*}*

*}*

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

*// TODO add your handling code here:*

*String name = jTextField1.getText();*

*String qty = jTextField2.getText();*

*String description = jTextArea1.getText();*

*if(name.isEmpty()){*

*JOptionPane.showMessageDialog(this, "Please Enter Name", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("[0]|[1-9][0-9]\*").matcher(qty).matches()){*

*JOptionPane.showMessageDialog(this, "Invalid Qty", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(description.isEmpty()){*

*JOptionPane.showMessageDialog(this, "Please Enter description", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*MySQL.iud("INSERT INTO `rental\_item\_stock`(`name`,`qty`,`description`) VALUES('"+name+"','"+qty+"','"+description+"')");*

*JOptionPane.showMessageDialog(this, "Insert Successful", "Success", JOptionPane.INFORMATION\_MESSAGE);*

*loadItem();*

*jTextField1.setText("");*

*jTextField2.setText("");*

*jTextArea1.setText("");*

*}*

*}*

*private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {*

*// TODO add your handling code here:*

*int selectedRow = jTable1.getSelectedRow();*

*if(selectedRow != -1){*

*jButton2.setEnabled(true);*

*jButton1.setEnabled(false);*

*jTextField1.setText(jTable1.getValueAt(selectedRow, 1).toString());*

*jTextField2.setText(jTable1.getValueAt(selectedRow, 2).toString());*

*jTextArea1.setText(jTable1.getValueAt(selectedRow, 3).toString());*

*}*

*//select item for rent*

*if(evt.getClickCount()== 2 && rent != null){*

*rent.jLabel8.setText(jTable1.getValueAt(selectedRow, 0).toString());*

*rent.jLabel10.setText(jTable1.getValueAt(selectedRow, 1).toString());*

*rent.jTextField1.setEnabled(true);*

*rent.jTextField2.setEnabled(true);*

*rent.jButton3.setEnabled(true);*

*this.dispose();*

*}*

*//select item for rent*

*}*

*private void jButton1MouseClicked(java.awt.event.MouseEvent evt) {*

*// TODO add your handling code here:*

*if(evt.getClickCount() == 2){*

*jButton1.setEnabled(true);*

*jButton2.setEnabled(false);*

*jTextField1.setText("");*

*jTextField2.setText("");*

*jTextArea1.setText("");*

*jTable1.clearSelection();*

*}*

*}*

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

*// TODO add your handling code here:*

*String name = jTextField1.getText();*

*String qty = jTextField2.getText();*

*String description = jTextArea1.getText();*

*if(name.isEmpty()){*

*JOptionPane.showMessageDialog(this, "Please Enter Name", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(!Pattern.compile("[0]|[1-9][0-9]\*").matcher(qty).matches()){*

*JOptionPane.showMessageDialog(this, "Invalid Qty", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else if(description.isEmpty()){*

*JOptionPane.showMessageDialog(this, "Please Enter description", "Warning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*MySQL.iud("UPDATE `rental\_item\_stock` SET `name`='"+name+"',`qty`='"+qty+"',`description`='"+description+"'");*

*JOptionPane.showMessageDialog(this, "Update Successful", "Success", JOptionPane.INFORMATION\_MESSAGE);*

*loadItem();*

*jButton1.setEnabled(true);*

*jButton2.setEnabled(false);*

*jTextField1.setText("");*

*jTextField2.setText("");*

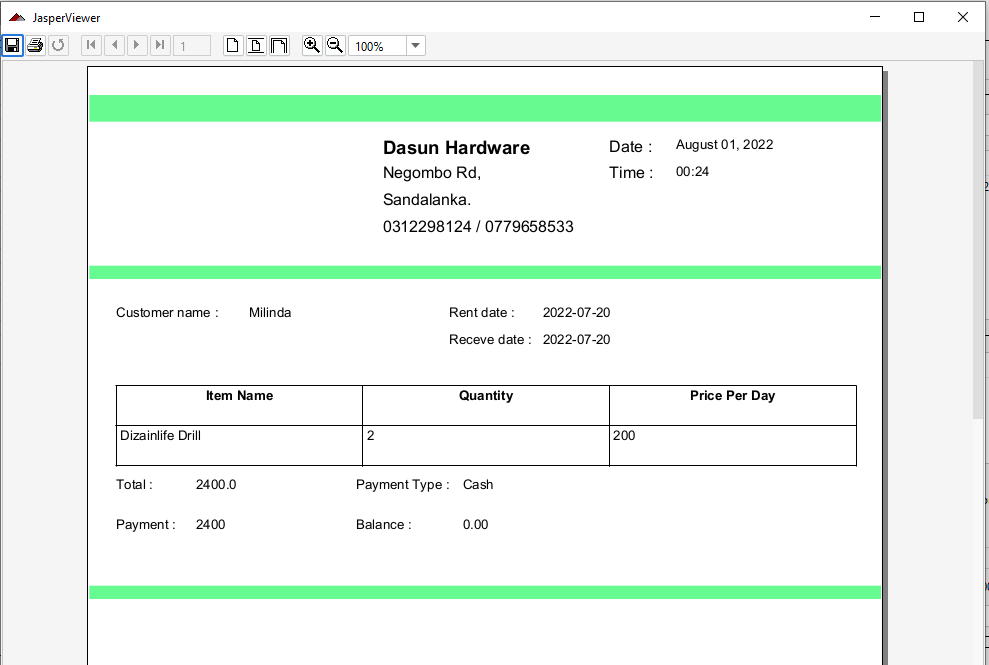
*jTextArea1.setText("");*

*jTable1.clearSelection();*

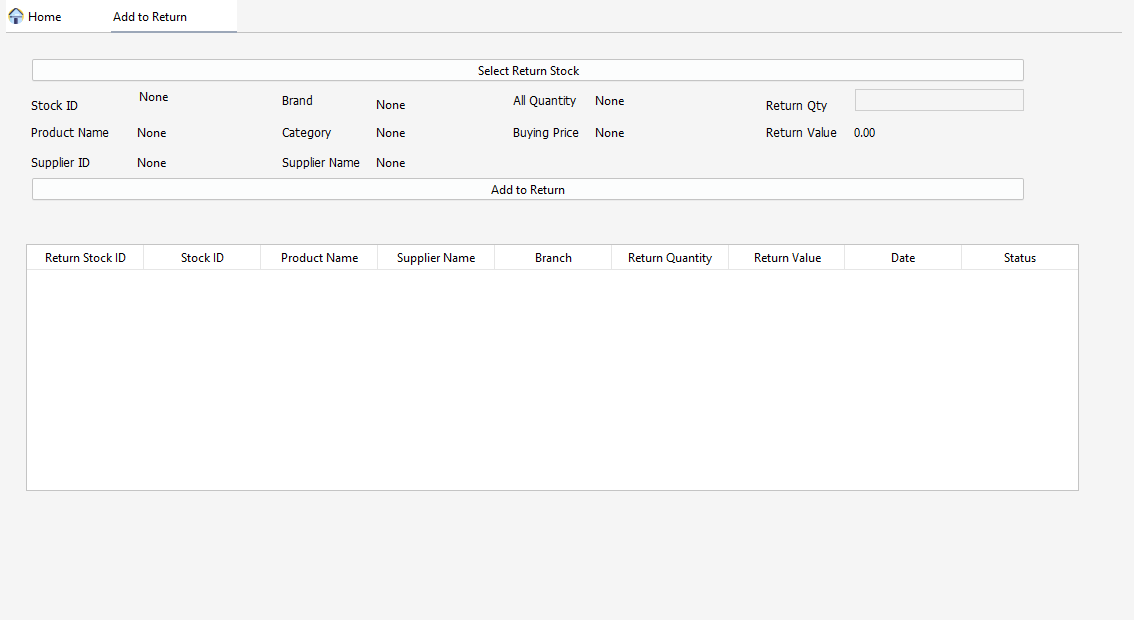
*}*

*}*

**Rent report**



**Return**

****

***Codes***

*public ReturnStockManagement() {*

*initComponents();*

*loadReturnStock();*

*}*

*public void loadReturnStock(){*

*try {*

*ResultSet rsRsm = MySQL.search("SELECT `return\_stock`.`id`,`stock`.`id` AS `stock\_id`,`product`.`name` AS `product\_name`,`supplier`.`name` AS `supplier\_name`,`company\_branch`.`name` AS `branch\_name`,`return\_stock`.`qty`,`grn\_item`.`buying\_price` AS `buying\_price`,`return\_stock`.`date`,`return\_status`.`name` AS `status` FROM `return\_stock` INNER JOIN `stock` ON `return\_stock`.`stock\_id`=`stock`.`id` INNER JOIN `product` ON `stock`.`product\_id`=`product`.`id` INNER JOIN `return\_status` ON `return\_stock`.`return\_status\_id`=`return\_status`.`id` INNER JOIN `grn\_item` ON `grn\_item`.`stock\_id`=`stock`.`id` INNER JOIN `grn` ON `grn\_item`.`grn\_id`=`grn`.`id` INNER JOIN `supplier` ON `grn`.`supplier\_id`=`supplier`.`id` INNER JOIN `company\_branch` ON `supplier`.`company\_branch\_id`=`company\_branch`.`id` WHERE `return\_status`.`id`='2' ORDER BY `return\_stock`.`id` ASC");*

*DefaultTableModel dtm = (DefaultTableModel)jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rsRsm.next()){*

*Vector v = new Vector();*

*v.add(rsRsm.getString("id"));*

*v.add(rsRsm.getString("stock\_id"));*

*v.add(rsRsm.getString("product\_name"));*

*v.add(rsRsm.getString("supplier\_name"));*

*v.add(rsRsm.getString("branch\_name"));*

*v.add(rsRsm.getString("qty"));*

*v.add(Double.parseDouble(rsRsm.getString("buying\_price")) \* Integer.parseInt(rsRsm.getString("qty")));*

*v.add(rsRsm.getString("date"));*

*v.add(rsRsm.getString("status"));*

*dtm.addRow(v);*

*}*

*jTable1.setModel(dtm);*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

***Buttons and Components***

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

*// TODO add your handling code here:*

*Stock1 s1 = new Stock1(this);*

*s1.setVisible(true);*

*}*

*private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*String price = jTextField1.getText();*

*String text = price + evt.getKeyChar();*

*if(!Pattern.compile("(0|0[.]|0[.][0-9]\*)|[1-9]|[1-9][0-9]\*|[1-9][0-9]\*[.]|[1-9][0-9]\*[.][0-9]\*").matcher(text).matches()){*

*evt.consume();*

*}*

*}*

*private void jTextField1KeyReleased(java.awt.event.KeyEvent evt) {*

*// TODO add your handling code here:*

*if(jTextField1.getText().isEmpty()){*

*jLabel15.setText((Double.parseDouble(jLabel12.getText()) \* 0)+"");*

*}else{*

*jLabel15.setText((Double.parseDouble(jLabel12.getText()) \* Integer.parseInt(jTextField1.getText()))+"");*

*}*

*}*

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

*// TODO add your handling code here:*

*String stock\_id = jLabel2.getText();*

*String qty = jTextField1.getText();*

*String lQty = jLabel10.getText();*

*String[] name = lQty.split(" ");*

*String sQty = "";*

*String sQtyType = "";*

*int fl = 0;*

*for(String a : name){*

*fl = fl +1;*

*if(fl == 1){*

*sQty = a;*

*}*

*if(fl == 2){*

*sQtyType = a;*

*}*

*}*

*if(stock\_id.equals("None")){*

*JOptionPane.showMessageDialog(this, "Please Select the Stock you want to return.", "warnning", JOptionPane.WARNING\_MESSAGE);*

*}else if(qty.isEmpty()){*

*JOptionPane.showMessageDialog(this, "Please Enter Quantity.", "warnning", JOptionPane.WARNING\_MESSAGE);*

*}else if(Integer.parseInt(qty)>Integer.parseInt(sQty)){*

*JOptionPane.showMessageDialog(this, "Return quantity cannot be greater than all quantity.", "warnning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*int option = JOptionPane.showConfirmDialog(this, "Please confirm that you want to return this quantity?", "confirmation", JOptionPane.YES\_NO\_OPTION, JOptionPane.INFORMATION\_MESSAGE);*

*if(option==JOptionPane.YES\_OPTION){*

*try {*

*SimpleDateFormat sdf2 = new SimpleDateFormat("yyyy-MM-dd HH:mm:ss");*

*String dNow = sdf2.format(new Date());*

*ResultSet rs6 = MySQL.search("SELECT `id` FROM `qty\_type` WHERE `name`='"+sQtyType+"'");*

*rs6.next();*

*String sQtyTypeId = rs6.getString("id");*

*MySQL.iud("INSERT INTO `return\_stock`(`stock\_id`,`qty`,`qty\_type\_id`,`date`,`return\_status\_id`) VALUES('"+stock\_id+"','"+qty+"','"+sQtyTypeId+"','"+dNow+"','2')");*

*int updated\_qty = Integer.parseInt(sQty) - Integer.parseInt(qty);*

*MySQL.iud("UPDATE `stock` SET `quantity`='"+updated\_qty+"' WHERE `id`='"+stock\_id+"'");*

*loadReturnStock();*

*jLabel2.setText("None");*

*jLabel4.setText("None");*

*jLabel6.setText("None");*

*jLabel8.setText("None");*

*jLabel10.setText("None");*

*jLabel12.setText("None");*

*jLabel5.setText("0.00");*

*jLabel7.setText("None");*

*jLabel9.setText("None");*

*jTextField1.setText("");*

*jTextField1.setEnabled(false);*

*JOptionPane.showMessageDialog(this, "Adding to the return stock is successful.", "success", JOptionPane.INFORMATION\_MESSAGE);*

*} catch (Exception e) {*

*e.printStackTrace();*

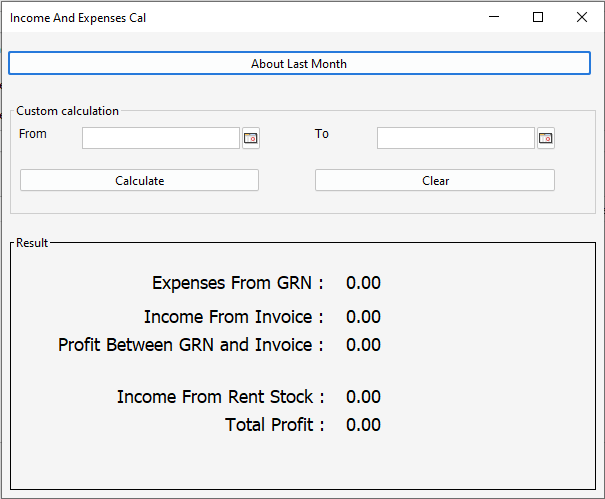
*}*

*}*

*}*

*}*

**Income and Expenses cal**

****

***Codes***

*SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");*

*public IncomeAndExpenses() {*

*initComponents();*

*}*

*public Long calDateDifference(String date1, String date2){*

*String d1 = date1;*

*String[] ydm1 = d1.split("-", -2);*

*String year1 = "";*

*String month1 = "";*

*String day1 = "";*

*int fl = 0;*

*for(String a : ydm1){*

*fl = fl +1;*

*// System.out.println(a);*

*if(fl == 1){*

*year1 = a;*

*}*

*if(fl == 2){*

*month1 = a;*

*}*

*if(fl == 3){*

*day1 = a;*

*}*

*}*

*String d2 = date2;*

*String[] ydm2 = d2.split("-", -2);*

*String year2 = "";*

*String month2 = "";*

*String day2 = "";*

*int f2 = 0;*

*for(String b : ydm2){*

*f2 = f2 +1;*

*// System.out.println(a);*

*if(f2 == 1){*

*year2 = b;*

*}*

*if(f2 == 2){*

*month2 = b;*

*}*

*if(f2 == 3){*

*day2 = b;*

*}*

*}*

*LocalDate de1 = LocalDate.of(Integer.parseInt(year1), Integer.parseInt(month1), Integer.parseInt(day1));*

*LocalDate de2 = LocalDate.of(Integer.parseInt(year2), Integer.parseInt(month2), Integer.parseInt(day2));*

*long days = ChronoUnit.DAYS.between(de1, de2);*

*System.out.println( days );*

*return days;*

*}*

***Buttons and Components***

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

*// TODO add your handling code here:*

*String date\_from = sdf.format(jDateChooser1.getDate()).toString();*

*String date\_to = sdf.format(jDateChooser2.getDate()).toString();*

*long dif\_days = calDateDifference(date\_from, date\_to);*

*if(date\_from == null){*

*JOptionPane.showMessageDialog(this, "Please Select Date From.", "warnning", JOptionPane.WARNING\_MESSAGE);*

*}else if(date\_to == null){*

*JOptionPane.showMessageDialog(this, "Please Select Date To.", "warnning", JOptionPane.WARNING\_MESSAGE);*

*}else if(dif\_days < 0){*

*JOptionPane.showMessageDialog(this, "Date From cannot be grater than Date to.", "warnning", JOptionPane.WARNING\_MESSAGE);*

*jDateChooser1.setDate(null);*

*jDateChooser2.setDate(null);*

*}else{*

*try {*

*ResultSet rs1 = MySQL.search("SELECT SUM(`grn\_payment`.`payment`) FROM `grn\_payment` INNER JOIN `grn` ON `grn\_payment`.`grn\_id`=`grn`.`id` WHERE `grn`.`date\_time` >= '"+date\_from+"' AND `grn`.`date\_time`<= '"+date\_to+"'");*

*rs1.next();*

*double expence\_total = Double.parseDouble(rs1.getString("SUM(`grn\_payment`.`payment`)"));*

*jLabel4.setText(rs1.getString("SUM(`grn\_payment`.`payment`)"));*

*ResultSet rs2 = MySQL.search("SELECT SUM(`invoice\_payment`.`payment`) FROM `invoice\_payment` INNER JOIN `invoice` ON `invoice\_payment`.`invoice\_id`=`invoice`.`id` WHERE `invoice`.`date\_time` >= '"+date\_from+"' AND `invoice`.`date\_time`<= '"+date\_to+"'");*

*rs2.next();*

*double income\_total = Double.parseDouble(rs2.getString("SUM(`invoice\_payment`.`payment`)"));*

*jLabel6.setText(rs2.getString("SUM(`invoice\_payment`.`payment`)"));*

*jLabel8.setText((income\_total - expence\_total)+"");*

*if(income\_total - expence\_total>0){*

*jLabel8.setForeground(Color.GREEN);*

*}else if(income\_total - expence\_total<0){*

*jLabel8.setForeground(Color.RED);*

*}else{*

*jLabel8.setForeground(Color.BLACK);*

*}*

*ResultSet rs3 = MySQL.search("SELECT SUM(`rental\_payment`.`payment`) FROM `rental\_payment` INNER JOIN `rent` ON `rental\_payment`.`rent\_id`=`rent`.`id` WHERE `rent`.`receve\_date` >= '"+date\_from+"' AND `rent`.`receve\_date`<= '"+date\_to+"'");*

*rs3.next();*

*double income\_rent = Double.parseDouble(rs3.getString("SUM(`rental\_payment`.`payment`)"));*

*jLabel10.setText(rs3.getString("SUM(`rental\_payment`.`payment`)"));*

*jLabel12.setText(((income\_total + income\_rent) - expence\_total)+"");*

*if((income\_total + income\_rent) - expence\_total>0){*

*jLabel12.setForeground(Color.GREEN);*

*}else if((income\_total + income\_rent) - expence\_total<0){*

*jLabel12.setForeground(Color.RED);*

*}else{*

*jLabel12.setForeground(Color.BLACK);*

*}*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*}*

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

*// TODO add your handling code here:*

*jDateChooser1.setDate(null);*

*jDateChooser2.setDate(null);*

*jLabel4.setText("0.00");*

*jLabel6.setText("0.00");*

*jLabel8.setText("0.00");*

*jLabel8.setForeground(Color.BLACK);*

*jLabel10.setText("0.00");*

*jLabel12.setText("0.00");*

*jLabel12.setForeground(Color.BLACK);*

*}*

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

*// TODO add your handling code here:*

*SimpleDateFormat sdf2 = new SimpleDateFormat("yyyy-MM-dd");*

*String dNow = sdf2.format(new Date());*

*LocalDate dateTo = LocalDate.now(ZoneId.of("Asia/Colombo")).minusDays(30);*

*try {*

*ResultSet rs1 = MySQL.search("SELECT SUM(`grn\_payment`.`payment`) FROM `grn\_payment` INNER JOIN `grn` ON `grn\_payment`.`grn\_id`=`grn`.`id` WHERE `grn`.`date\_time` >= '"+dateTo+"' AND `grn`.`date\_time`<= '"+dNow+"'");*

*rs1.next();*

*double expence\_total = Double.parseDouble(rs1.getString("SUM(`grn\_payment`.`payment`)"));*

*jLabel4.setText(rs1.getString("SUM(`grn\_payment`.`payment`)"));*

*ResultSet rs2 = MySQL.search("SELECT SUM(`invoice\_payment`.`payment`) FROM `invoice\_payment` INNER JOIN `invoice` ON `invoice\_payment`.`invoice\_id`=`invoice`.`id` WHERE `invoice`.`date\_time` >= '"+dateTo+"' AND `invoice`.`date\_time`<= '"+dNow+"'");*

*rs2.next();*

*double income\_total = Double.parseDouble(rs2.getString("SUM(`invoice\_payment`.`payment`)"));*

*jLabel6.setText(rs2.getString("SUM(`invoice\_payment`.`payment`)"));*

*jLabel8.setText((income\_total - expence\_total)+"");*

*if(income\_total - expence\_total>0){*

*jLabel8.setForeground(Color.GREEN);*

*}else if(income\_total - expence\_total<0){*

*jLabel8.setForeground(Color.RED);*

*}else{*

*jLabel8.setForeground(Color.BLACK);*

*}*

*ResultSet rs3 = MySQL.search("SELECT SUM(`rental\_payment`.`payment`) FROM `rental\_payment` INNER JOIN `rent` ON `rental\_payment`.`rent\_id`=`rent`.`id` WHERE `rent`.`receve\_date` >= '"+dateTo+"' AND `rent`.`receve\_date`<= '"+dNow+"'");*

*rs3.next();*

*double income\_rent = Double.parseDouble(rs3.getString("SUM(`rental\_payment`.`payment`)"));*

*jLabel10.setText(rs3.getString("SUM(`rental\_payment`.`payment`)"));*

*jLabel12.setText(((income\_total + income\_rent) - expence\_total)+"");*

*if((income\_total + income\_rent) - expence\_total>0){*

*jLabel12.setForeground(Color.GREEN);*

*}else if((income\_total + income\_rent) - expence\_total<0){*

*jLabel12.setForeground(Color.RED);*

*}else{*

*jLabel12.setForeground(Color.BLACK);*

*}*

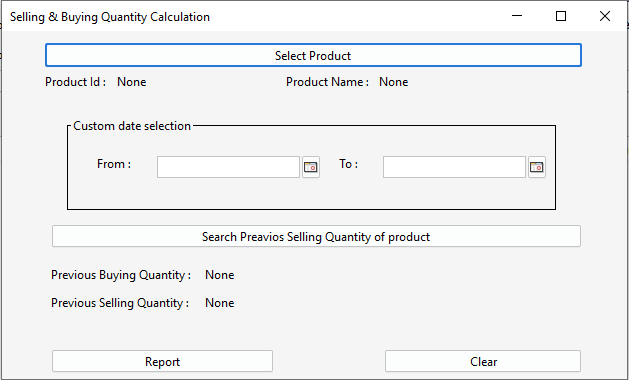
*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

**Selling and buying quantity cal**

****

***Codes***

*SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");*

*public SellingQtyCal() {*

*initComponents();*

*}*

*public Long calDateDifference(String date1, String date2){*

*String d1 = date1;*

*String[] ydm1 = d1.split("-", -2);*

*String year1 = "";*

*String month1 = "";*

*String day1 = "";*

*int fl = 0;*

*for(String a : ydm1){*

*fl = fl +1;*

*// System.out.println(a);*

*if(fl == 1){*

*year1 = a;*

*}*

*if(fl == 2){*

*month1 = a;*

*}*

*if(fl == 3){*

*day1 = a;*

*}*

*}*

*String d2 = date2;*

*String[] ydm2 = d2.split("-", -2);*

*String year2 = "";*

*String month2 = "";*

*String day2 = "";*

*int f2 = 0;*

*for(String b : ydm2){*

*f2 = f2 +1;*

*// System.out.println(a);*

*if(f2 == 1){*

*year2 = b;*

*}*

*if(f2 == 2){*

*month2 = b;*

*}*

*if(f2 == 3){*

*day2 = b;*

*}*

*}*

*LocalDate de1 = LocalDate.of(Integer.parseInt(year1), Integer.parseInt(month1), Integer.parseInt(day1));*

*LocalDate de2 = LocalDate.of(Integer.parseInt(year2), Integer.parseInt(month2), Integer.parseInt(day2));*

*long days = ChronoUnit.DAYS.between(de1, de2);*

*System.out.println( days );*

*return days;*

*}*

***Buttons and components***

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

*// TODO add your handling code here:*

*ProductRegistration1 pr1 = new ProductRegistration1(this);*

*pr1.setVisible(true);*

*}*

*String date\_from = "";*

*String date\_to = "";*

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

*// TODO add your handling code here:*

*String p\_id = jLabel2.getText();*

*if(p\_id.equals("None")){*

*JOptionPane.showMessageDialog(this, "Please select a product.", "warnning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*SimpleDateFormat sdf2 = new SimpleDateFormat("yyyy-MM-dd");*

*String dNow = sdf2.format(new Date());*

*if(jDateChooser1.getDate()==null && jDateChooser2.getDate()!=null){*

*JOptionPane.showMessageDialog(this, "Please select date from.", "warnning", JOptionPane.WARNING\_MESSAGE);*

*}else if(jDateChooser2.getDate()==null && jDateChooser1.getDate()!=null){*

*JOptionPane.showMessageDialog(this, "Please select date To.", "warnning", JOptionPane.WARNING\_MESSAGE);*

*}else if(jDateChooser2.getDate()==null && jDateChooser2.getDate()==null){*

*LocalDate dateTo = LocalDate.now(ZoneId.of("Asia/Colombo")).minusDays(30);*

*date\_to = dNow;*

*date\_from = dateTo.toString();*

*}else{*

*date\_from = sdf.format(jDateChooser1.getDate()).toString();*

*date\_to = sdf.format(jDateChooser2.getDate()).toString();*

*long dif\_days = calDateDifference(date\_from, date\_to);*

*if(dif\_days < 0){*

*JOptionPane.showMessageDialog(this, "Date From cannot be grater than Date to.", "warnning", JOptionPane.WARNING\_MESSAGE);*

*jDateChooser1.setDate(null);*

*jDateChooser2.setDate(null);*

*}*

*}*

*try {*

*ResultSet rs1 = MySQL.search("SELECT SUM(`stock`.`quantity`) FROM `grn\_item` INNER JOIN `grn` ON `grn\_item`.`grn\_id`=`grn`.`id` INNER JOIN `stock` ON `grn\_item`.`stock\_id`=`stock`.`id` INNER JOIN `product` ON `stock`.`product\_id`=`product`.`id` WHERE `grn`.`date\_time` >= '"+date\_from+"' AND `grn`.`date\_time`<= '"+date\_to+"' AND `product`.`id`='"+p\_id+"'");*

*rs1.next();*

*jLabel8.setText(rs1.getString("SUM(`stock`.`quantity`)"));*

*ResultSet rs2 = MySQL.search("SELECT SUM(`invoice\_item`.`qty`) FROM `invoice\_item` INNER JOIN `invoice` ON `invoice\_item`.`invoice\_id`=`invoice`.`id` INNER JOIN `stock` ON `invoice\_item`.`stock\_id`=`stock`.`id` INNER JOIN `product` ON `stock`.`product\_id`=`product`.`id` WHERE `invoice`.`date\_time` >= '"+date\_from+"' AND `invoice`.`date\_time`<= '"+date\_to+"' AND `product`.`id`='"+p\_id+"'");*

*rs2.next();*

*jLabel9.setText(rs2.getString("SUM(`invoice\_item`.`qty`)"));*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*}*

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

*// TODO add your handling code here:*

*jLabel2.setText("None");*

*jLabel3.setText("None");*

*jLabel8.setText("None");*

*jLabel9.setText("None");*

*jDateChooser1.setDate(null);*

*jDateChooser2.setDate(null);*

*}*

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

*// TODO add your handling code here:*

*String p\_id = jLabel2.getText();*

*String p\_name = jLabel3.getText();*

*// String dateFrom = jDateChooser1.getDate().toString();*

*// String dateTo = jDateChooser2.getDate().toString();*

*String pbq = jLabel8.getText();*

*String psq = jLabel9.getText();*

*if(p\_id.equals("None")){*

*JOptionPane.showMessageDialog(this, "Please select item.", "warnning", JOptionPane.WARNING\_MESSAGE);*

*}else if(pbq.equals("None")){*

*JOptionPane.showMessageDialog(this, "Please sarch quantity of product.", "warnning", JOptionPane.WARNING\_MESSAGE);*

*}else{*

*try {*

*//invoice report*

*InputStream filePath = GRN.class.getResourceAsStream("/reports/qty\_report\_hms\_2.jasper");*

*// String filePath = "src//reports//qty\_report\_hms\_2.jasper";*

*// JasperReport jr = JasperCompileManager.compileReport(filePath);*

*HashMap parameters = new HashMap();*

*parameters.put("product\_id",p\_id);*

*parameters.put("product\_name",p\_name);*

*parameters.put("from",date\_from);*

*parameters.put("to",date\_to);*

*parameters.put("pbq",pbq);*

*parameters.put("psq",psq);*

*Connection datasource = MySQL.getConnection();*

*JasperPrint jp = JasperFillManager.fillReport(filePath, parameters, datasource);*

*// JasperExportManager.exportReportToHtmlFile(jp, "dasunHardware.html");*

*JasperViewer.viewReport(jp, false);*

*JasperPrintManager.printReport(jp, true);*

*//invoice report*

*} catch (Exception e) {*

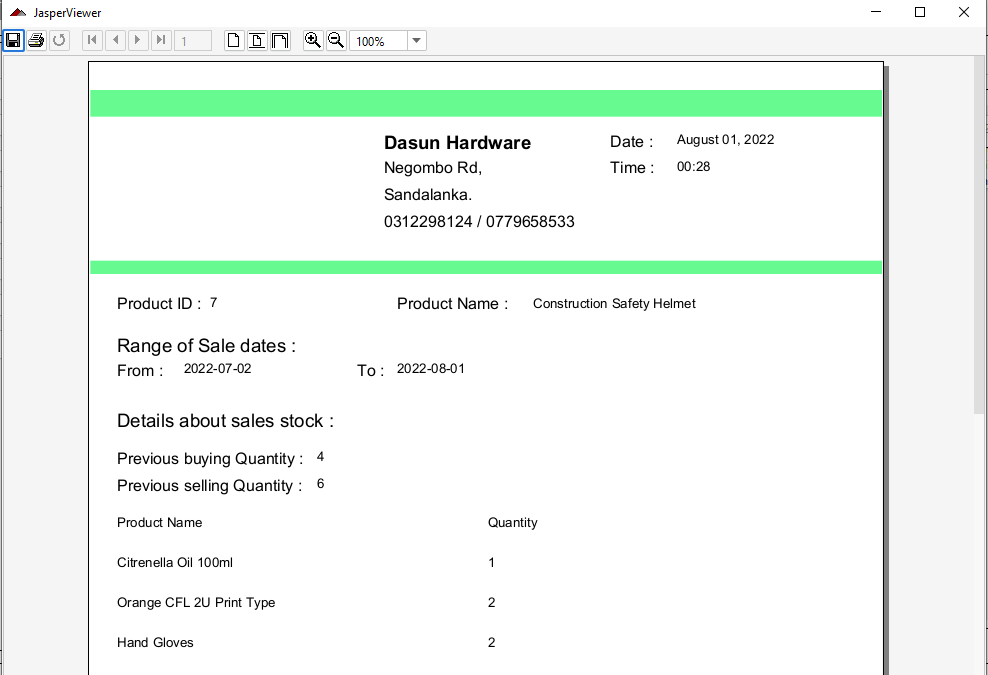
*e.printStackTrace();*

*}*

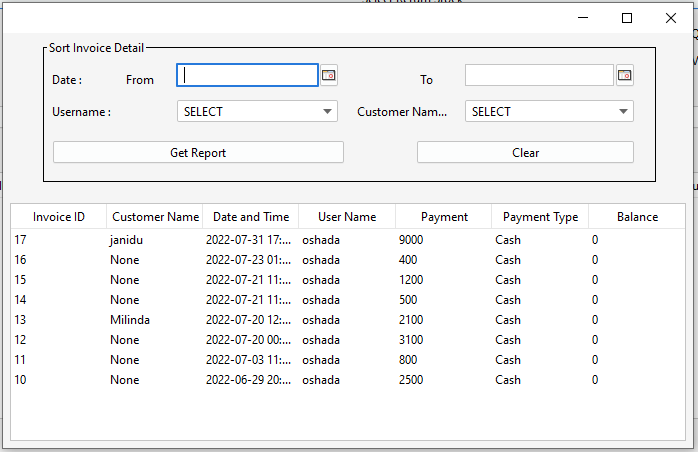
*}*

*}*

**Selling and buying qty report**



**Preset invoice**

****

***Codes***

*public SearchInvoiceDetail() {*

*initComponents();*

*loadUsername();*

*loadCustomer();*

*loadInvoice();*

*}*

*public void loadInvoice(){*

*try {*

*ResultSet rs = MySQL.search("SELECT `invoice`.`id`,`customer`.`name` AS `customer`,`invoice`.`date\_time`,`user`.`username` AS `username`,`invoice\_payment`.`payment`,`payment\_type`.`name` AS `payment\_type`,`invoice\_payment`.`balance` FROM `invoice\_payment` INNER JOIN `invoice` ON `invoice\_payment`.`invoice\_id`=`invoice`.`id` INNER JOIN `customer` ON `invoice`.`customer\_id`=`customer`.`id` INNER JOIN `user` ON `invoice`.`user\_id`=`user`.`id` INNER JOIN `payment\_type` ON `invoice\_payment`.`payment\_type\_id`=`payment\_type`.`id` ORDER BY `invoice`.`id` DESC");*

*DefaultTableModel dtm = (DefaultTableModel)jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("id"));*

*v.add(rs.getString("customer"));*

*v.add(rs.getString("date\_time"));*

*v.add(rs.getString("username"));*

*v.add(rs.getString("payment"));*

*v.add(rs.getString("payment\_type"));*

*v.add(rs.getString("balance"));*

*dtm.addRow(v);*

*}*

*jTable1.setModel(dtm);*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*public void loadUsername(){*

*try {*

*ResultSet rs = MySQL.search("SELECT `username` FROM `user`");*

*Vector v = new Vector();*

*v.add("SELECT");*

*while(rs.next()){*

*v.add(rs.getString("username"));*

*}*

*DefaultComboBoxModel dcm = new DefaultComboBoxModel(v);*

*jComboBox1.setModel(dcm);*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*public void loadCustomer(){*

*try {*

*ResultSet rs = MySQL.search("SELECT `name` FROM `customer`");*

*Vector v = new Vector();*

*v.add("SELECT");*

*while(rs.next()){*

*v.add(rs.getString("name"));*

*}*

*DefaultComboBoxModel dcm = new DefaultComboBoxModel(v);*

*jComboBox2.setModel(dcm);*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*String username = "None";*

*String c\_name = "None";*

*String date\_fr = "None";*

*String date\_to = "None";*

*public void searchInvoice(){*

*SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");*

*if(jComboBox1.getSelectedItem() != null && jComboBox2.getSelectedItem() != null){*

*if(!jComboBox1.getSelectedItem().toString().equals("SELECT")){*

*username = jComboBox1.getSelectedItem().toString();*

*}*

*if(!jComboBox2.getSelectedItem().toString().equals("SELECT")){*

*c\_name = jComboBox2.getSelectedItem().toString();*

*}*

*}*

*if(jDateChooser1.getDate() != null){*

*date\_fr = sdf.format(jDateChooser1.getDate());*

*}*

*if(jDateChooser2.getDate() != null){*

*date\_to = sdf.format(jDateChooser2.getDate());*

*}*

*Vector queryVector = new Vector();*

*if(!username.equals("None")){*

*queryVector.add("`user`.`username`='"+username+"'");*

*}*

*if(!c\_name.equals("None")){*

*queryVector.add("`customer`.`name`='"+c\_name+"'");*

*}*

*if(!date\_fr.equals("None")){*

*if(date\_to.equals("None")){*

*queryVector.add("`invoice`.`date\_time` >= '"+date\_fr+"'");*

*}else{*

*queryVector.add("`invoice`.`date\_time` >= '"+date\_fr+"' AND `invoice`.`date\_time`<= '"+date\_to+"'");*

*}*

*}*

*if(!date\_to.equals("None")){*

*if(date\_fr.equals("None")){*

*queryVector.add("`invoice`.`date\_time` <= '"+date\_to+"'");*

*}*

*}*

*try {*

*String wherequery = "";*

*if(!username.equals("None") || !c\_name.equals("None") || !date\_fr.equals("None") || !date\_to.equals("None")){*

*wherequery = "WHERE";*

*for(int i=0; i<queryVector.size(); i++){*

*wherequery += " ";*

*wherequery += queryVector.get(i);*

*wherequery += " ";*

*if(i != queryVector.size()-1){*

*wherequery += "AND";*

*}*

*}*

*}*

*ResultSet rs = MySQL.search("SELECT `invoice`.`id`,`customer`.`name` AS `customer`,`invoice`.`date\_time`,`user`.`username` AS `username`,`invoice\_payment`.`payment`,`payment\_type`.`name` AS `payment\_type`,`invoice\_payment`.`balance` FROM `invoice\_payment` INNER JOIN `invoice` ON `invoice\_payment`.`invoice\_id`=`invoice`.`id` INNER JOIN `customer` ON `invoice`.`customer\_id`=`customer`.`id` INNER JOIN `user` ON `invoice`.`user\_id`=`user`.`id` INNER JOIN `payment\_type` ON `invoice\_payment`.`payment\_type\_id`=`payment\_type`.`id` "+wherequery+" ORDER BY `invoice`.`id` DESC");*

*DefaultTableModel dtm = (DefaultTableModel)jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("id"));*

*v.add(rs.getString("customer"));*

*v.add(rs.getString("date\_time"));*

*v.add(rs.getString("username"));*

*v.add(rs.getString("payment"));*

*v.add(rs.getString("payment\_type"));*

*v.add(rs.getString("balance"));*

*dtm.addRow(v);*

*}*

*jTable1.setModel(dtm);*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

***Buttons and Components***

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

*// TODO add your handling code here:*

*try {*

*InputStream filePath = SearchInvoiceDetail.class.getResourceAsStream("/reports/privious\_inv\_hms.jasper");*

*// String filePath = "src//reports//privious\_inv\_hms.jasper";*

*// JasperReport jr = JasperCompileManager.compileReport(filePath);*

*HashMap parameters = new HashMap();*

*parameters.put("cn",c\_name);*

*parameters.put("date\_f",date\_fr);*

*parameters.put("date\_t",date\_to);*

*parameters.put("un",username);*

*TableModel tm = jTable1.getModel();*

*JRTableModelDataSource datasource = new JRTableModelDataSource(tm);*

*JasperPrint jp = JasperFillManager.fillReport(filePath, parameters, datasource);*

*// JasperExportManager.exportReportToHtmlFile(jp, "dasunHardware.html");*

*JasperViewer.viewReport(jp, false);*

*JasperPrintManager.printReport(jp, true);*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*private void jDateChooser1PropertyChange(java.beans.PropertyChangeEvent evt) {*

*// TODO add your handling code here:*

*searchInvoice();*

*}*

*private void jDateChooser2PropertyChange(java.beans.PropertyChangeEvent evt) {*

*// TODO add your handling code here:*

*searchInvoice();*

*}*

*private void jComboBox1ItemStateChanged(java.awt.event.ItemEvent evt) {*

*// TODO add your handling code here:*

*searchInvoice();*

*}*

*private void jComboBox2ItemStateChanged(java.awt.event.ItemEvent evt) {*

*// TODO add your handling code here:*

*searchInvoice();*

*}*

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

*// TODO add your handling code here:*

*jDateChooser1.setDate(null);*

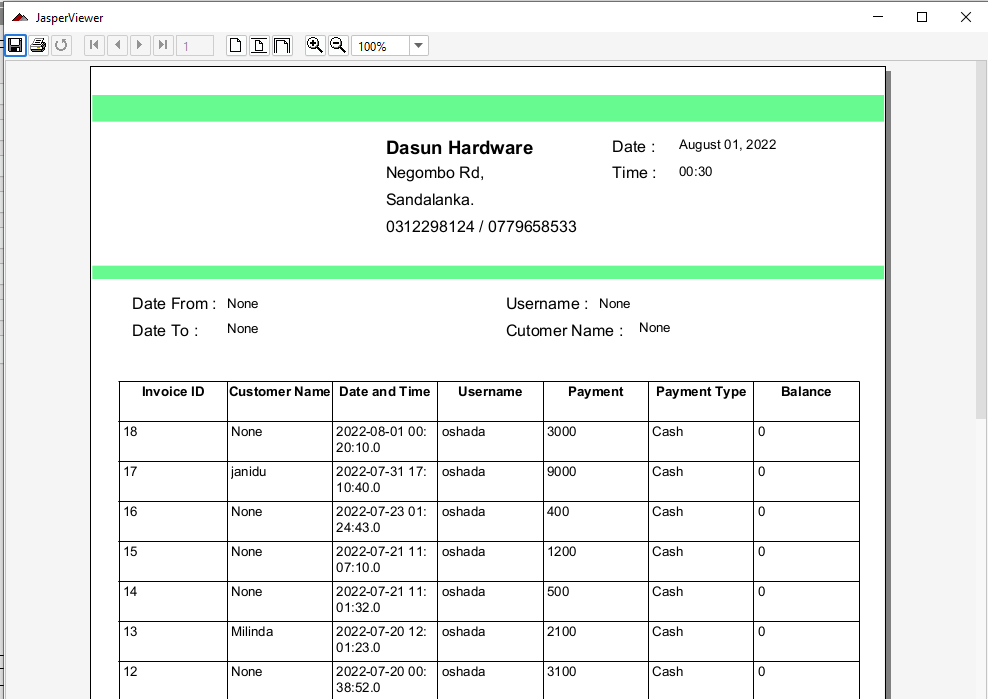
*jDateChooser2.setDate(null);*

*jComboBox1.setSelectedIndex(0);*

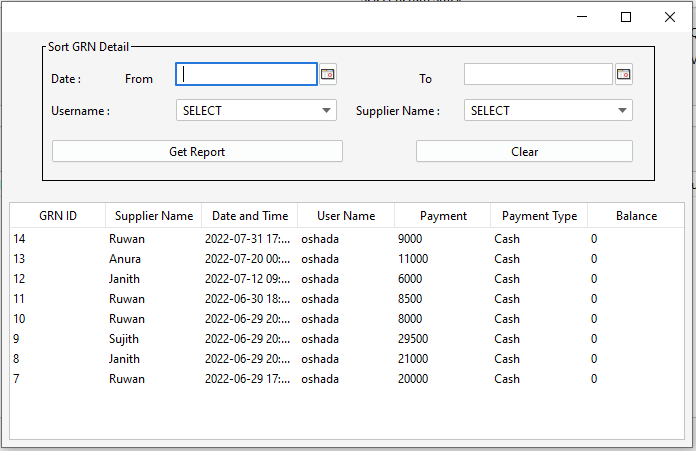
*jComboBox2.setSelectedIndex(0);*

*}*

**Preset invoice report**



**Preset GRN**

****

***Codes***

*public SearchGRNDetail() {*

*initComponents();*

*loadUsername();*

*loadSupplier();*

*loadGRN();*

*}*

*public void loadGRN(){*

*try {*

*ResultSet rs = MySQL.search("SELECT `grn`.`id`,`supplier`.`name` AS `supplier`,`grn`.`date\_time`,`user`.`username` AS `username`,`grn\_payment`.`payment`,`payment\_type`.`name` AS `payment\_type`,`grn\_payment`.`balance` FROM `grn\_payment` INNER JOIN `grn` ON `grn\_payment`.`grn\_id`=`grn`.`id` INNER JOIN `supplier` ON `grn`.`supplier\_id`=`supplier`.`id` INNER JOIN `user` ON `grn`.`user\_id`=`user`.`id` INNER JOIN `payment\_type` ON `grn\_payment`.`payment\_type\_id`=`payment\_type`.`id` ORDER BY `grn`.`id` DESC");*

*DefaultTableModel dtm = (DefaultTableModel)jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("id"));*

*v.add(rs.getString("supplier"));*

*v.add(rs.getString("date\_time"));*

*v.add(rs.getString("username"));*

*v.add(rs.getString("payment"));*

*v.add(rs.getString("payment\_type"));*

*v.add(rs.getString("balance"));*

*dtm.addRow(v);*

*}*

*jTable1.setModel(dtm);*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*public void loadUsername(){*

*try {*

*ResultSet rs = MySQL.search("SELECT `username` FROM `user`");*

*Vector v = new Vector();*

*v.add("SELECT");*

*while(rs.next()){*

*v.add(rs.getString("username"));*

*}*

*DefaultComboBoxModel dcm = new DefaultComboBoxModel(v);*

*jComboBox1.setModel(dcm);*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*public void loadSupplier(){*

*try {*

*ResultSet rs = MySQL.search("SELECT `name` FROM `supplier`");*

*Vector v = new Vector();*

*v.add("SELECT");*

*while(rs.next()){*

*v.add(rs.getString("name"));*

*}*

*DefaultComboBoxModel dcm = new DefaultComboBoxModel(v);*

*jComboBox2.setModel(dcm);*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*String username = "None";*

*String s\_name = "None";*

*String date\_fr = "None";*

*String date\_to = "None";*

*public void searchGRN(){*

*SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");*

*if(jComboBox1.getSelectedItem() != null && jComboBox2.getSelectedItem() != null){*

*if(!jComboBox1.getSelectedItem().toString().equals("SELECT")){*

*username = jComboBox1.getSelectedItem().toString();*

*}*

*if(!jComboBox2.getSelectedItem().toString().equals("SELECT")){*

*s\_name = jComboBox2.getSelectedItem().toString();*

*}*

*}*

*if(jDateChooser1.getDate() != null){*

*date\_fr = sdf.format(jDateChooser1.getDate());*

*}*

*if(jDateChooser2.getDate() != null){*

*date\_to = sdf.format(jDateChooser2.getDate());*

*}*

*Vector queryVector = new Vector();*

*if(!username.equals("None")){*

*queryVector.add("`user`.`username`='"+username+"'");*

*}*

*if(!s\_name.equals("None")){*

*queryVector.add("`supplier`.`name`='"+s\_name+"'");*

*}*

*if(!date\_fr.equals("None")){*

*if(date\_to.equals("None")){*

*queryVector.add("`grn`.`date\_time` >= '"+date\_fr+"'");*

*}else{*

*queryVector.add("`grn`.`date\_time` >= '"+date\_fr+"' AND `grn`.`date\_time`<= '"+date\_to+"'");*

*}*

*}*

*if(!date\_to.equals("None")){*

*if(date\_fr.equals("None")){*

*queryVector.add("`grn`.`date\_time` <= '"+date\_to+"'");*

*}*

*}*

*try {*

*String wherequery = "";*

*if(!username.equals("None") || !s\_name.equals("None") || !date\_fr.equals("None") || !date\_to.equals("None")){*

*wherequery = "WHERE";*

*for(int i=0; i<queryVector.size(); i++){*

*wherequery += " ";*

*wherequery += queryVector.get(i);*

*wherequery += " ";*

*if(i != queryVector.size()-1){*

*wherequery += "AND";*

*}*

*}*

*}*

*ResultSet rs = MySQL.search("SELECT `grn`.`id`,`supplier`.`name` AS `supplier`,`grn`.`date\_time`,`user`.`username` AS `username`,`grn\_payment`.`payment`,`payment\_type`.`name` AS `payment\_type`,`grn\_payment`.`balance` FROM `grn\_payment` INNER JOIN `grn` ON `grn\_payment`.`grn\_id`=`grn`.`id` INNER JOIN `supplier` ON `grn`.`supplier\_id`=`supplier`.`id` INNER JOIN `user` ON `grn`.`user\_id`=`user`.`id` INNER JOIN `payment\_type` ON `grn\_payment`.`payment\_type\_id`=`payment\_type`.`id` "+wherequery+" ORDER BY `grn`.`id` DESC");*

*DefaultTableModel dtm = (DefaultTableModel)jTable1.getModel();*

*dtm.setRowCount(0);*

*while(rs.next()){*

*Vector v = new Vector();*

*v.add(rs.getString("id"));*

*v.add(rs.getString("supplier"));*

*v.add(rs.getString("date\_time"));*

*v.add(rs.getString("username"));*

*v.add(rs.getString("payment"));*

*v.add(rs.getString("payment\_type"));*

*v.add(rs.getString("balance"));*

*dtm.addRow(v);*

*}*

*jTable1.setModel(dtm);*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

***Buttons and Components***

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

*// TODO add your handling code here:*

*try {*

*InputStream filePath = SearchGRNDetail.class.getResourceAsStream("/reports/privious\_grn\_hms.jasper");*

*// String filePath = "src//reports//privious\_grn\_hms.jasper";*

*// JasperReport jr = JasperCompileManager.compileReport(filePath);*

*HashMap parameters = new HashMap();*

*parameters.put("sn",s\_name);*

*parameters.put("date\_f",date\_fr);*

*parameters.put("date\_t",date\_to);*

*parameters.put("un",username);*

*TableModel tm = jTable1.getModel();*

*JRTableModelDataSource datasource = new JRTableModelDataSource(tm);*

*JasperPrint jp = JasperFillManager.fillReport(filePath, parameters, datasource);*

*// JasperExportManager.exportReportToHtmlFile(jp, "dasunHardware.html");*

*JasperViewer.viewReport(jp, false);*

*JasperPrintManager.printReport(jp, true);*

*} catch (Exception e) {*

*e.printStackTrace();*

*}*

*}*

*private void jDateChooser1PropertyChange(java.beans.PropertyChangeEvent evt) {*

*// TODO add your handling code here:*

*searchGRN();*

*}*

*private void jDateChooser2PropertyChange(java.beans.PropertyChangeEvent evt) {*

*// TODO add your handling code here:*

*searchGRN();*

*}*

*private void jComboBox1ItemStateChanged(java.awt.event.ItemEvent evt) {*

*// TODO add your handling code here:*

*searchGRN();*

*}*

*private void jComboBox2ItemStateChanged(java.awt.event.ItemEvent evt) {*

*// TODO add your handling code here:*

*searchGRN();*

*}*

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

*// TODO add your handling code here:*

*jDateChooser1.setDate(null);*

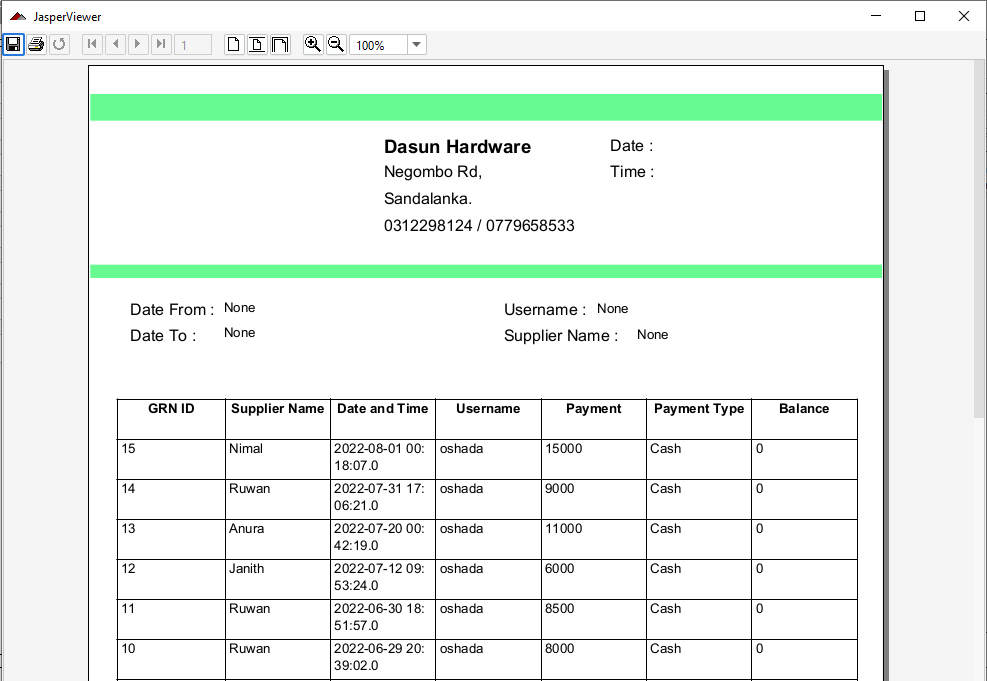
*jDateChooser2.setDate(null);*

*jComboBox1.setSelectedIndex(0);*

*jComboBox2.setSelectedIndex(0);*

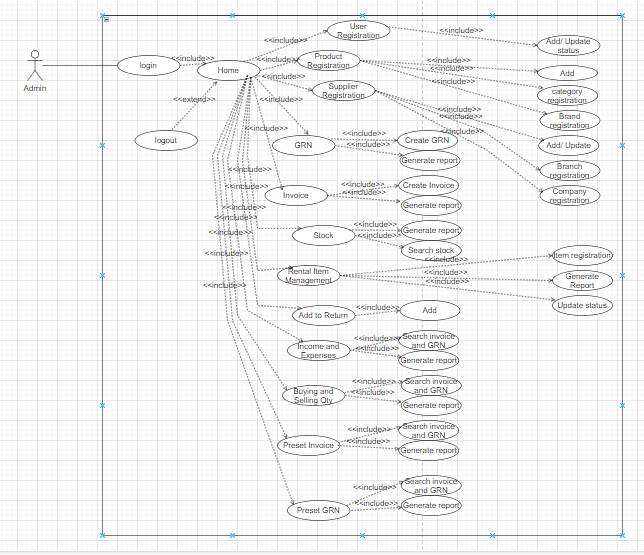
*}*

**Preset GRN report**

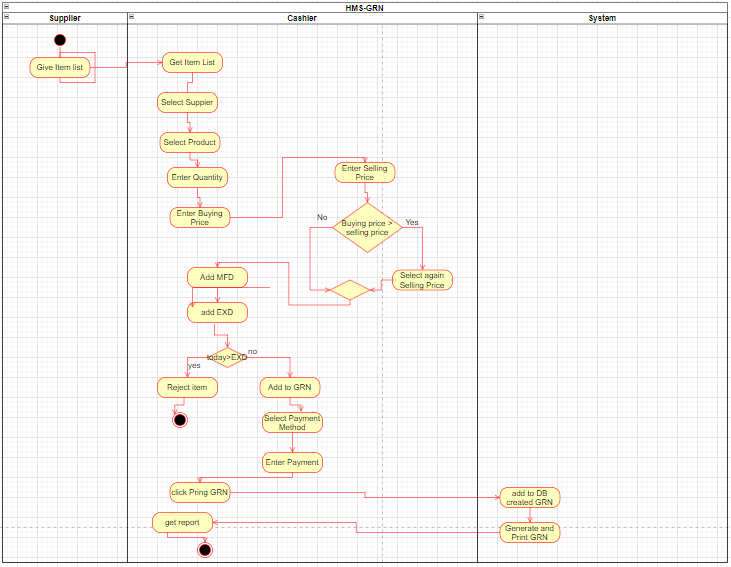


**Diagrams**

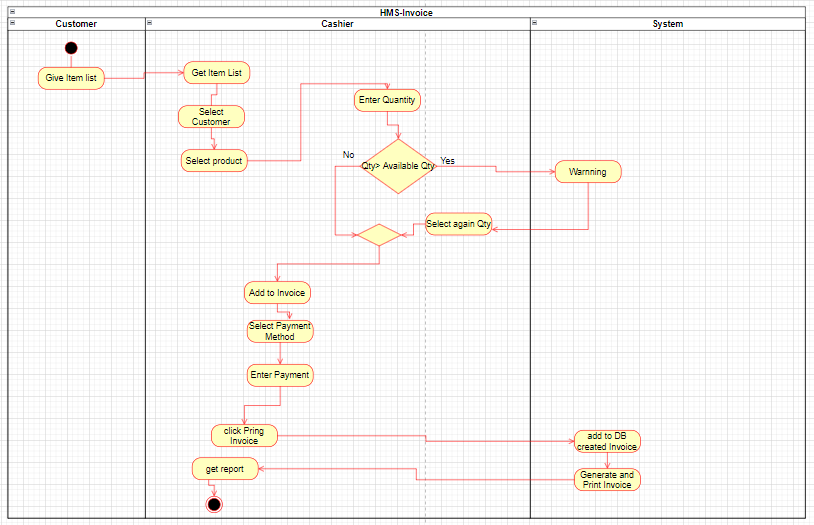
**Use case diagram**

****

**Activity diagram for GRN**

****

**Activity diagram for Invoice**

****