SOLAPUR EDUCATION SOCIETY'S

S.E.S. POLYTECHNIC, SOLAPUR

Samrat Chowk, Solapur

C E R T I F I C A T E

This is to certify that the Following students of Computer Department

1. Shruti Ingale. (3508)

2. Priyanka Tondase. (3509)

3. Nikita Sambari (3510)

has satisfactorily completed micro-project titled **Medical Store Management System.**

in subject **"Advanced Java Programming" (22517)** as prescribed by Maharashtra State Board Of Technical Education, Mumbai. For the **Fifth** semester (I-Scheme) of Diploma in Computer Technology in Academic Year 2019 - 2020

Date: 12 / 10 / 2019

Staff Incharge	Head of Dept	Principal
(Mrs.Trigule D.J.)	(Mr.Patil M.C)	(Dr.Joshi S.B.) S.E.S. Polytechnic, Solapur

Synopsis :-

The main objective of Medical Store Management System is to manage the details of Medical store,Stocks,Inventory,sells,company.medicines.The project is totally built at administrative end and only the administrator ids guaranted the access.The purpose of project is to built an application program to reduce the manual work for managing the Medical store.It tracks all the details about the Inventory,sells,Company and so on.

Microproject – Course Outcome matrix

Course Outcomes :

a. **Develop programs using GUI framework(AWT and Swing).**
b. **Handle events of AWT and Swings components.**
c. **Develop programs to handle events in java programming.**
d. **Develop java programs using networking concepts.**
e. **Develop programs using database.**
f. **Develop programs using servlets**

Sr.No.	Microproject	CO a	CO b	CO c	CO d	CO e	CO f
1	Name of Microproject	√	√	√	×	√	×

Source Code

```
import javax.swing.*;
import java.awt.*;
import java.awt.Color;
import java.awt.event.*;
import javax.swing.table.*;
import java.sql.*;
import java.awt.event.TextEvent;
class MenuPage extends JFrame implements
ActionListener
{
int total=0,qty;
String distot="Total Price: ";
JLabel totp;
JLabel
l1,l2,l3,l4,l5,edpro1,edpro2,edpro3,edpro4,edpro5,
edpro6,edpro7,edpro8,loglabel,usernm,pass,cpass;
CardLayout c1,c2;
Container c;
JButton b1,b2,b3,b4,b5,logout,close;
JTextField t1,t2,t3,t4,t5,t6,t7,t8,t9,usertxt;
JButton addsupp, delsupp,
addprod,delprod,updtprod,deluser,cgpass;
JButton saveSupp1;
JPasswordField passtxt,cpasstxt,newpasstxt;
DefaultTableModel dtm1,dtm2,dtm3,dtm4;
Object[] obj1=new Object[8];//products
Object[] obj2=new Object[5];//suppliers
Object[] obj3=new Object[5];//sales
Object[] obj4=new Object[5];
JPanel mpanel,
medicPanel,salesPanel,addproPanel,supplierPanel,
SettingPanel, purchasePanel;
JTable
medicTable,supplierTable,recordTable,ptable;
JScrollPane sp1,sp2,sp3,sp4;
JPanel AddSuppPanel;
JLabel sn,seid,smn,splc,spro;
JTextField st1,st2,st3,st4,st5;
JTextField searchbar,pname,pqty,pprice,pexp;
JLabel sb,pn,pq,pp;
JButton srchbtn,addp;
MenuPage()
{
try{
Class.forName("com.mysql.cj.jdbc.Driver");
Connection
con4=DriverManager.getConnection("jdbc:mysql://
localhost:3306/nikita","root","root");
String sql="create table products(Product_ID
int(4),Product_Name varchar(50),Product_type
varchar(40),Expiry_Date date,Company
varchar(50),Stored_At varchar(30),Quantity
int(5),Price int(5))";
PreparedStatement
ps2=con4.prepareStatement(sql);
ps2.executeUpdate();
ps2.close();
con4.close();
} catch(Exception e){}
try{
Class.forName("com.mysql.cj.jdbc.Driver");
Connection
con=DriverManager.getConnection("jdbc:mysql://l
ocalhost:3306/nikita","root","root");
String sql="create table suppliers(name
varchar(30),contact_no bigint(10),Email_id
varchar(40),Place varchar(30),Supplied_Product
varchar(50))";
PreparedStatement ps=con.prepareStatement(sql);
ps.executeUpdate();
ps.close();
con.close();
} catch(Exception e){}
try{
Class.forName("com.mysql.cj.jdbc.Driver");
Connection
con4=DriverManager.getConnection("jdbc:mysql://
localhost:3306/nikita","root","root");
String sql="create table sales(Product_Name
varchar(30),Expiry_Date varchar(30),Quantity
int(4),Price int(5),Purchase_Date varchar(30))";
PreparedStatement
ps2=con4.prepareStatement(sql);
ps2.executeUpdate();
ps2.close();
con4.close();
} catch(Exception e){}
Color DarkRed=new Color(204,0,0);
Color drkgreen=new Color(0,120,0);
Color lightblue=new Color(0,120,120);
c=getContentPane();
c.setBackground(Color.white);
setSize(1400,735);
setVisible(true);
```

```
setBackground(Color.black);
setLayout(null);
ImageIcon i1=new ImageIcon("medicine.jpg");
b1=new JButton(i1);
b1.setBounds(500,10,70,70);
ImageIcon i2=new ImageIcon("supplier.jpg");
b2=new JButton(i2);
b2.setBounds(600,10,70,70);
ImageIcon i3=new ImageIcon("sales.jpg");
b3=new JButton(i3);
b3.setBounds(700,10,70,70);
ImageIcon i4=new ImageIcon("addproduct.jpg");
b4=new JButton(i4);
b4.setBounds(800,10,70,70);
ImageIcon i5=new ImageIcon("settings.jpg");
b5=new JButton(i5);
b5.setBounds(900,10,70,70);
ImageIcon i7=new ImageIcon("close.jpg");
close=new JButton(i7);
close.setBounds(1200,108,40,39);
close.setVisible(false);
ImageIcon i6=new ImageIcon("logout.jpg");
logout=new JButton(i6);
logout.setBounds(1295,10,60,50);
logout.setBackground(Color.white);
logout.addActionListener(this);
loglabel=new JLabel("Logout");
loglabel.setBounds(1301,60,60,20);
l1=new JLabel("Products");
l1.setBounds(506,80,80,20);
l2=new  JLabel("Suppliers");
l2.setBounds(605,80,80,20);
l3=new JLabel("View Sales Record");
l3.setBounds(680,80,130,20);
l4=new  JLabel("Edit Products");
JLabel l6=new JLabel("Details");
l4.setBounds(805,80,80,20);
l6.setBounds(812,100,80,20);
l5=new JLabel("Settings");
l5.setBounds(908,80,80,20);
b1.setBorderPainted(false);
b2.setBorderPainted(false);
b3.setBorderPainted(false);
b4.setBorderPainted(false);
b5.setBorderPainted(false);
logout.setBorderPainted(false);
close.setBorderPainted(false);
add(loglabel);add(l1);add(l2);add(l3);add(l4);add(l5
);add(l6);add(b1);add(b2);add(b3);add(b4);add(b5);
add(logout);add(close);
close.addActionListener(this);
b1.addActionListener(this);
b2.addActionListener(this);
b3.addActionListener(this);
b4.addActionListener(this);
b5.addActionListener(this);
logout.addActionListener(this);
c1=new CardLayout();
mpanel=new JPanel(c1);
mpanel.setBounds(120,120,1100,500);
mpanel.setBackground(Color.white);
purchasePanel=new JPanel();
purchasePanel.setLayout(null);
purchasePanel.setBounds(120,120,1100,500);
purchasePanel.add(new JLabel(""));
purchasePanel.setBackground(Color.white);
purchasePanel.setBorder(BorderFactory.createTitle
dBorder("PURCHASE"));
searchbar= new JTextField(80);
searchbar.setBounds(30,20,500,40);
srchbtn=new JButton("SEARCH PRODUCT");
srchbtn.setBounds(550,20,200,40);
srchbtn.setBackground(lightblue);
srchbtn.setFont(new
Font("Courier",Font.BOLD,18));
srchbtn.setForeground(Color.white);
pname=new JTextField(20);
pname.setBounds(230,100,190,30);
pexp=new JTextField(20);
pexp.setBounds(230,150,190,30);
pqty=new JTextField(20);
pqty.setBounds(230,200,190,30);
pprice=new JTextField(20);
pprice.setBounds(230,250,190,30);
pn=new JLabel("Product Name");
pn.setBounds(30,100,190,30);
pn.setFont(new Font("Courier",Font.BOLD,18));
JLabel pe=new JLabel("Expiry Date");
pe.setBounds(30,150,190,30);
pe.setFont(new Font("Courier",Font.BOLD,18));
pq=new JLabel("Product Quantity");
pq.setBounds(30,200,190,30);
pq.setFont(new Font("Courier",Font.BOLD,18));
pp=new JLabel("Product Price");
pp.setBounds(30,250,190,30);
pp.setFont(new Font("Courier",Font.BOLD,18));
```

```
addp=new JButton("ADD");
addp.setBounds(100,350,200,40);
addp.setBackground(Color.black);
addp.setForeground(Color.white);
addp.setFont(new Font("Courier",Font.BOLD,18));
String col4[]={"Product Name","Expiry
Date","Quantity","Price","Purchase_Date"};
dtm4=new DefaultTableModel(col4,0);
ptable=new JTable(dtm4);
ptable.createDefaultColumnsFromModel();
ptable.setColumnSelectionAllowed(true);
ptable.setRowSelectionAllowed(true);
sp4=new JScrollPane(ptable);
sp4.setBounds(500,100,550,300);
purchasePanel.add(sp4);

totp=new JLabel("");
totp.setBounds(500,400,400,30);
totp.setFont(new Font("Courier",Font.BOLD,25));
purchasePanel.add(searchbar);
purchasePanel.add(srchbtn);
purchasePanel.add(pn);
purchasePanel.add(totp);
repaint();
purchasePanel.add(pname);
purchasePanel.add(pe);purchasePanel.add(pexp);
purchasePanel.add(pq);purchasePanel.add(pqty);
purchasePanel.add(pp);purchasePanel.add(pprice);
purchasePanel.add(addp);
srchbtn.addActionListener(this);
addp.addActionListener(this);
add(purchasePanel);
medicPanel=new JPanel();
medicPanel.setLayout(null);
medicPanel.setBorder(BorderFactory.createTitledB
order("PRODUCTS"));
medicPanel.setBackground(Color.white);
String col1[]={"Product ID","Product
Name","Product type","Expiry
Date","Company","Stored At","Quantity","Price"};
dtm1=new DefaultTableModel(col1,0);
medicTable=new JTable(dtm1);
medicTable.createDefaultColumnsFromModel();
medicTable.setColumnSelectionAllowed(true);
medicTable.setRowSelectionAllowed(true);
delprod=new JButton("DELETE PRODUCT");
delprod.setBackground(DarkRed);
delprod.setFont(new
Font("Courier",Font.BOLD,18));
delprod.setBounds(830,440,200,40);
medicPanel.add(delprod);
sp1=new JScrollPane(medicTable);
sp1.setBounds(5,30,1090,400);
medicPanel.add(sp1);
delprod.addActionListener(this);
salesPanel=new JPanel();
salesPanel.setLayout(null);
salesPanel.setBorder(BorderFactory.createTitledBo
rder("SALES RECORD"));
salesPanel.setBackground(Color.white);
String col3[]={"Product Name","Expiry
Date","Quantity","Price","Purchase_Date"};
dtm3=new DefaultTableModel(col3,0);
recordTable=new JTable(dtm3);
recordTable.createDefaultColumnsFromModel();
recordTable.setColumnSelectionAllowed(true);
recordTable.setRowSelectionAllowed(true);
sp3=new JScrollPane(recordTable);
sp3.setBounds(5,30,1090,465);
salesPanel.add(sp3);
addproPanel=new JPanel();
addproPanel.setBorder(BorderFactory.createTitled
Border("EDIT PRODUCT DETAILS"));
addproPanel.setLayout(null);
addproPanel.setBackground(Color.white);
edpro1=new JLabel("Product ID");
edpro1.setFont(new
Font("Courier",Font.BOLD,20));
edpro1.setBounds(300,30,300,30);
edpro2=new JLabel("Product Name");
edpro2.setFont(new
Font("Courier",Font.BOLD,20));
edpro2.setBounds(300,70,300,30);
edpro3=new JLabel("Product Type");
edpro3.setFont(new
Font("Courier",Font.BOLD,20));
edpro3.setBounds(300,110,300,30);
edpro4=new JLabel("Expiry Date");
edpro4.setFont(new
Font("Courier",Font.BOLD,20));
edpro4.setBounds(300,150,300,30);
edpro5=new JLabel("Company");
edpro5.setFont(new
Font("Courier",Font.BOLD,20));
edpro5.setBounds(300,190,300,30);
edpro6=new JLabel("Stored At");
edpro6.setFont(new
Font("Courier",Font.BOLD,20));
```

```
edpro6.setBounds(300,230,300,30);
edpro7=new JLabel("Quantity ");
edpro7.setFont(new
Font("Courier",Font.BOLD,20));
edpro7.setBounds(300,270,300,30);
edpro8=new JLabel("Price");
edpro8.setFont(new
Font("Courier",Font.BOLD,20));
edpro8.setBounds(300,310,300,30);
t1=new JTextField(20);
t1.setBounds(550,30,250,30);
t2=new JTextField(25);
t2.setBounds(550,70,250,30);
t3=new JTextField(25);
t3.setBounds(550,110,250,30);
t4=new JTextField(25);
t4.setBounds(550,150,250,30);
t5=new JTextField(25);
t5.setBounds(550,190,250,30);
t6=new JTextField(25);
t6.setBounds(550,230,250,30);
t7=new JTextField(25);
t7.setBounds(550,270,250,30);
t8=new JTextField(25);
t8.setBounds(550,310,250,30);
t1.setFont(new Font("Courier",Font.PLAIN,18));
t2.setFont(new Font("Courier",Font.PLAIN,18));
t3.setFont(new Font("Courier",Font.PLAIN,18));
t4.setFont(new Font("Courier",Font.PLAIN,18));
t5.setFont(new Font("Courier",Font.PLAIN,18));
t6.setFont(new Font("Courier",Font.PLAIN,18));
t7.setFont(new Font("Courier",Font.PLAIN,18));
t8.setFont(new Font("Courier",Font.PLAIN,18));
addprod=new JButton("ADD PRODUCT");
addprod.setFont(new
Font("Courier",Font.BOLD,18));
addprod.setBounds(430,360,200,40);
addprod.setBackground(lightblue);
addprod.setForeground(Color.white);
addproPanel.add(edpro1);
addproPanel.add(t1);
addproPanel.add(edpro2);
addproPanel.add(t2);
addproPanel.add(edpro3);
addproPanel.add(t3);
addproPanel.add(edpro4);
addproPanel.add(t4);
addproPanel.add(edpro5);
addproPanel.add(t5);
addproPanel.add(edpro6);
addproPanel.add(t6);
addproPanel.add(edpro7);
addproPanel.add(t7);
addproPanel.add(edpro8);
addproPanel.add(t8);
addproPanel.add(addprod);
addprod.addActionListener(this);
supplierPanel=new JPanel();
supplierPanel.setBorder(BorderFactory.createTitle
dBorder("SUPPLIERS"));
supplierPanel.setLayout(null);
supplierPanel.setBackground(Color.white);
String col2[]={"Supplier Name","Contact
no.","Email ID","Place","Product Supplied"};
dtm2=new DefaultTableModel(col2,0);
supplierTable=new JTable(dtm2);
supplierTable.createDefaultColumnsFromModel();
supplierTable.setColumnSelectionAllowed(true);
supplierTable.setRowSelectionAllowed(true);
sp2=new JScrollPane(supplierTable);
sp2.setBounds(5,30,1090,400);
addsupp=new JButton("Add Supplier");
addsupp.setFont(new
Font("Verdana",Font.PLAIN,19));
addsupp.setBackground(drkgreen);
//addsupp.setForeground(Color.);
addsupp.setBounds(900,440,0,0);
addsupp.setSize(180,40);
delsupp=new JButton("Delete Supplier");
delsupp.setFont(new
Font("Verdana",Font.PLAIN,19));
delsupp.setBounds(670,440,0,0);
delsupp.setBackground(DarkRed);
delsupp.setSize(200,40);
supplierPanel.add(sp2);
supplierPanel.add(addsupp);
supplierPanel.add(delsupp);
addsupp.addActionListener(this);
delsupp.addActionListener(this);
AddSuppPanel=new JPanel();
AddSuppPanel.setBounds(120,120,1100,500);
AddSuppPanel.setBackground(Color.white);
AddSuppPanel.setLayout(null);
AddSuppPanel.setBorder(BorderFactory.createTitle
dBorder("ADD SUPPLIER"));
saveSupp1=new JButton("SAVE");
saveSupp1.setBackground(lightblue);
saveSupp1.setForeground(Color.white);
```

```
saveSupp1.setBounds(400,360,200,40);
sn=new JLabel("Supplier Name");
sn.setFont(new Font("Courier",Font.BOLD,20));
sn.setBounds(300,110,300,30);
smn=new JLabel("Contact no.");
smn.setFont(new Font("Courier",Font.BOLD,20));
smn.setBounds(300,150,300,30);
seid=new JLabel("Email ID");
seid.setFont(new Font("Courier",Font.BOLD,20));
seid.setBounds(300,190,300,30);
splc=new JLabel("Place");
splc.setFont(new Font("Courier",Font.BOLD,20));
splc.setBounds(300,230,300,30);
spro=new JLabel("Product Supplied");
spro.setFont(new Font("Courier",Font.BOLD,20));
spro.setBounds(300,270,300,30);
st1=new JTextField(20);
st1.setBounds(550,110,250,30);
st2=new JTextField(25);
st2.setBounds(550,150,250,30);
st3=new JTextField(25);
st3.setBounds(550,190,250,30);
st4=new JTextField(25);
st4.setBounds(550,230,250,30);
st5=new JTextField(25);
st5.setBounds(550,270,250,30);
st1.setFont(new Font("Courier",Font.PLAIN,18));
st2.setFont(new Font("Courier",Font.PLAIN,18));
st3.setFont(new Font("Courier",Font.PLAIN,18));
st4.setFont(new Font("Courier",Font.PLAIN,18));
st5.setFont(new Font("Courier",Font.PLAIN,18));
AddSuppPanel.add(sn);AddSuppPanel.add(smn);Ad
dSuppPanel.add(seid);AddSuppPanel.add(spro);Ad
dSuppPanel.add(splc);//labels
AddSuppPanel.add(st1);AddSuppPanel.add(st2);Ad
dSuppPanel.add(st3);AddSuppPanel.add(st4);AddS
uppPanel.add(st5);;
AddSuppPanel.add(saveSupp1);
add(AddSuppPanel);
AddSuppPanel.setVisible(false);
saveSupp1.addActionListener(this);
SettingPanel=new JPanel();
SettingPanel.setBorder(BorderFactory.createTitled
Border("SETTINGS"));
SettingPanel.setLayout(null);
SettingPanel.setBackground(Color.white);
SettingPanel.setBounds(20,120,1100,500);
usernm=new JLabel("Username");
usernm.setBounds(300,110,300,30);
usernm.setFont(new
Font("Courier",Font.BOLD,20));
usertxt=new JTextField(10);
usertxt.setBounds(550,110,250,30);
usertxt.setFont(new
Font("Courier",Font.PLAIN,18));
pass=new JLabel("Old Password");
pass.setBounds(300,150,300,30);
pass.setFont(new Font("Courier",Font.BOLD,20));
passtxt=new JPasswordField(8);
passtxt.setBounds(550,150,250,30);
passtxt.setFont(new
Font("Courier",Font.PLAIN,18));
JLabel newpass=new JLabel("Create Password");
newpass.setBounds(300,190,300,30);
newpass.setFont(new
Font("Courier",Font.BOLD,20));
newpasstxt=new JPasswordField(8);
newpasstxt.setBounds(550,190,250,30);
newpasstxt.setFont(new
Font("Courier",Font.PLAIN,18));
cpass=new JLabel("Confirm Password");
cpass.setBounds(300,230,300,30);
cpass.setFont(new Font("Courier",Font.BOLD,20));
cpasstxt=new JPasswordField(8);
cpasstxt.setBounds(550,230,250,30);
cpasstxt.setFont(new
Font("Courier",Font.PLAIN,18));
cgpass=new JButton("Change Password");
cgpass.setFont(new Font("Courier",Font.BOLD,18));
cgpass.setBounds(350,320,200,40);
cgpass.setBackground(Color.black);
cgpass.setForeground(Color.white);
deluser=new JButton("Delete User");
deluser.setFont(new
Font("Courier",Font.BOLD,18));
deluser.setBounds(580,320,200,40);
deluser.setBackground(DarkRed);
SettingPanel.add(usernm);
SettingPanel.add(usertxt);
SettingPanel.add(pass);
SettingPanel.add(passtxt);
SettingPanel.add(newpass);SettingPanel.add(newp
asstxt);
SettingPanel.add(cpass);
SettingPanel.add(cpasstxt);
SettingPanel.add(cgpass);
SettingPanel.add(deluser);
cgpass.addActionListener(this);
```

```
deluser.addActionListener(this);
mpanel.add(medicPanel,"MedicinesCard");
mpanel.add(supplierPanel,"SuppliersCard");
mpanel.add(salesPanel,"SalesCard");
mpanel.add(addproPanel,"AddProductCard");
mpanel.add(SettingPanel,"SettingsCard");
add(mpanel);
mpanel.setVisible(false);
ImageIcon medLogo=new ImageIcon("logo1.jpg");
JLabel logo1=new JLabel(medLogo);
logo1.setBounds(20,0,140,119);
add(logo1);
ImageIcon heart=new ImageIcon("logo3.jpg");
JLabel logo3=new JLabel(heart);
logo3.setBounds(1200,640,160,53);
add(logo3);
try{
Class.forName("com.mysql.cj.jdbc.Driver");
Connection
con=DriverManager.getConnection("jdbc:mysql://l
ocalhost:3306/nikita","root","root");
Statement st=con.createStatement();
ResultSet rs=st.executeQuery("select *from
products");
int rows=dtm1.getRowCount();
for(int i=0;i<rows;i++)
dtm1.removeRow(i);
while(rs.next())
{
obj1[0] = rs.getInt(1);
obj1[1] = rs.getString(2);
obj1[2] = rs.getString(3);
obj1[3] = rs.getDate(4);
obj1[4] = rs.getString(5);
obj1[5] = rs.getString(6);
obj1[6] = rs.getInt(7);
obj1[7] = rs.getInt(8);
dtm1.addRow(obj1);
}
st.close();
con.close();
}catch(Exception ex){}
try{
Class.forName("com.mysql.cj.jdbc.Driver");
Connection
con=DriverManager.getConnection("jdbc:mysql://l
ocalhost:3306/nikita","root","root");
Statement st=con.createStatement();
ResultSet rs=st.executeQuery("select *from
suppliers");
int rows1=dtm2.getRowCount();
for(int i=0;i<rows1;i++)
dtm2.removeRow(i);
while(rs.next())
{
obj2[0] = rs.getString(1);
obj2[1] = rs.getLong(2);
obj2[2] = rs.getString(3);
obj2[3] = rs.getString(4);
obj2[4] = rs.getString(5);
dtm2.addRow(obj2);
}
st.close();
con.close();
}catch(Exception ex){}
try{
Class.forName("com.mysql.cj.jdbc.Driver");
Connection
con=DriverManager.getConnection("jdbc:mysql://l
ocalhost:3306/nikita","root","root");
Statement st=con.createStatement();
ResultSet rs=st.executeQuery("select *from sales");
int rows1=dtm3.getRowCount();
for(int i=0;i<rows1;i++)
dtm3.removeRow(i);
while(rs.next())
{
obj3[0] = rs.getString(1);
obj3[1] = rs.getString(2);
obj3[2] = rs.getInt(3);
obj3[3] = rs.getInt(4);
obj3[4] = rs.getString(5);
dtm3.addRow(obj3);
}
st.close();
con.close();
}catch(Exception ex){}
}
public void actionPerformed(ActionEvent e)
{
if(e.getSource()==b1)
{mpanel.setVisible(true);
close.setVisible(true);
purchasePanel.setVisible(false);
AddSuppPanel.setVisible(false);
c1.show(mpanel,"MedicinesCard");
}
```

```
if(e.getSource()==b2)
{mpanel.setVisible(true);
close.setVisible(true);
purchasePanel.setVisible(false);
AddSuppPanel.setVisible(false);
c1.show(mpanel,"SuppliersCard");
}
if(e.getSource()==b3)
{mpanel.setVisible(true);
close.setVisible(true);
purchasePanel.setVisible(false);
AddSuppPanel.setVisible(false);
c1.show(mpanel,"SalesCard");
}
if(e.getSource()==b4)
{
mpanel.setVisible(true);
close.setVisible(true);
purchasePanel.setVisible(false);
AddSuppPanel.setVisible(false);
c1.show(mpanel,"AddProductCard");
}
if(e.getSource()==b5)
{ mpanel.setVisible(true);
close.setVisible(true);
purchasePanel.setVisible(false);
AddSuppPanel.setVisible(false);
c1.show(mpanel,"SettingsCard");
}
if(e.getSource()==close){
mpanel.setVisible(false);
purchasePanel.setVisible(true);
close.setVisible(false);
}
if(e.getSource()==addprod)
{
try{
String dt=t4.getText();
java.util.Date date=new java.util.Date(dt) ;
java.sql.Date sqldt=new
java.sql.Date(date.getTime());
Class.forName("com.mysql.cj.jdbc.Driver");
Connection
con=DriverManager.getConnection("jdbc:mysql://l
ocalhost:3306/nikita","root","root");
String sql="insert into products
values(?,?,?,?,?,?,?,?)";
PreparedStatement ps=con.prepareStatement(sql);
ps.setInt(1,Integer.parseInt(t1.getText()));
ps.setString(2,t2.getText());
ps.setString(3,t3.getText());
ps.setDate(4,sqldt);
ps.setString(5,t5.getText());
ps.setString(6,t6.getText());
ps.setInt(7,Integer.parseInt(t7.getText()));
ps.setInt(8,Integer.parseInt(t8.getText()));
ps.executeUpdate();
Statement st=con.createStatement();
ResultSet rs=st.executeQuery("select *from
products");
if(rs.last())
{
obj1[0] = rs.getInt(1);
obj1[1] = rs.getString(2);
obj1[2] = rs.getString(3);
obj1[3] = rs.getDate(4);
obj1[4] = rs.getString(5);
obj1[5] = rs.getString(6);
obj1[6] = rs.getInt(7);
obj1[7] = rs.getInt(8);
dtm1.addRow(obj1);
}
st.close();
ps.close();
con.close();
}catch(Exception e2){}
}
if(e.getSource()==addsupp)
{
mpanel.setVisible(false);
AddSuppPanel.setVisible(true);
}
if(e.getSource()==saveSupp1)
{
try{
Class.forName("com.mysql.cj.jdbc.Driver");
Connection
con1=DriverManager.getConnection("jdbc:mysql://
localhost:3306/nikita","root","root");
String sql1="insert into suppliers values(?,?,?,?,?)";
PreparedStatement
ps1=con1.prepareStatement(sql1);
ps1.setString(1,st1.getText());
ps1.setLong(2,Long.parseLong(st2.getText()));
ps1.setString(3,st3.getText());
ps1.setString(4,st4.getText());
ps1.setString(5,st5.getText());
ps1.executeUpdate();
```

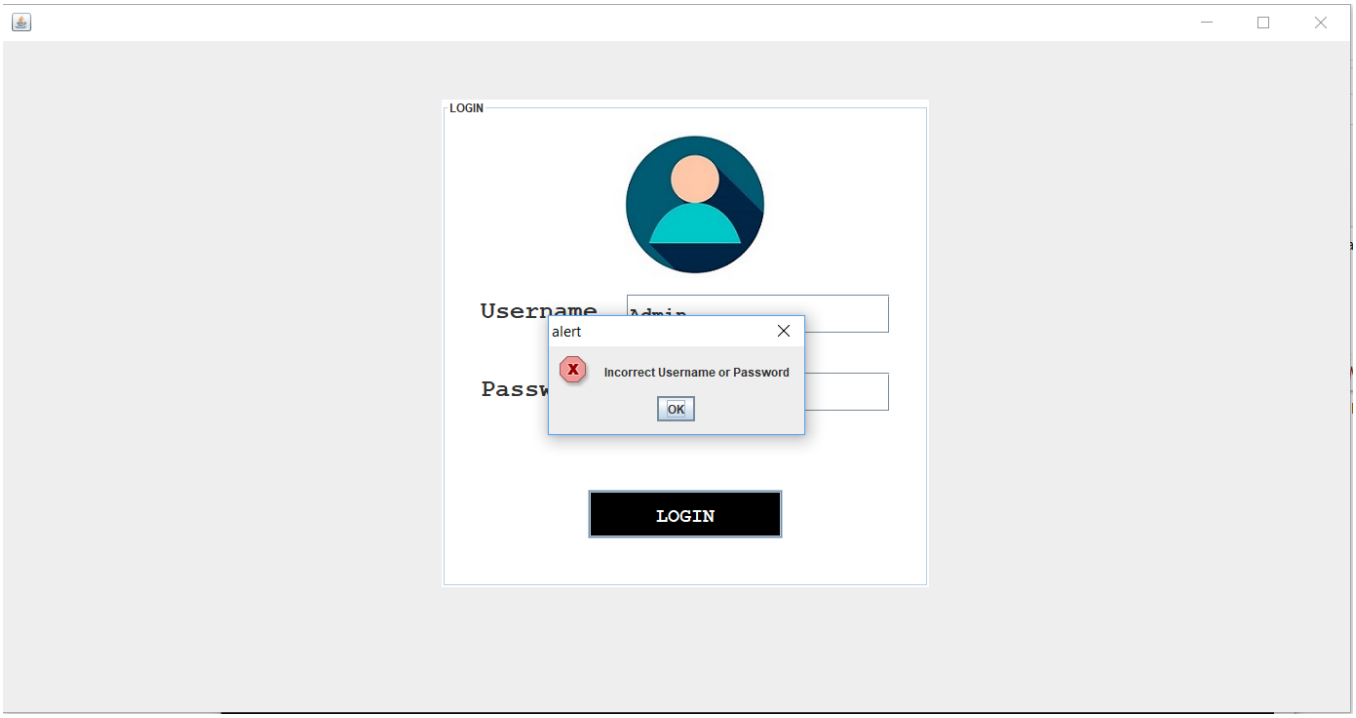
```
System.out.println("INSERTED");
Statement st1=con1.createStatement();
ResultSet rs1=st1.executeQuery("select *from
suppliers");
if(rs1.last())
{
obj2[0] = rs1.getString(1);
obj2[1] = rs1.getLong(2);
obj2[2] = rs1.getString(3);
obj2[3] = rs1.getString(4);
obj2[4] = rs1.getString(5);
dtm2.addRow(obj2);
}
st1.close();
ps1.close();
con1.close();
JOptionPane.showMessageDialog(getContentPane(
),"Supplier Record Added !");
}catch(Exception e2){}
}
if(e.getSource()==delprod)
{
int i=medicTable.getSelectedRow();
System.out.println(i);
int
del=Integer.parseInt(dtm1.getValueAt(i,0).toString(
));
System.out.println(del);
if(i>=0)
{
dtm1.removeRow(i);
try
{
Class.forName("com.mysql.cj.jdbc.Driver");
Connection
con1=DriverManager.getConnection("jdbc:mysql://
localhost:3306/nikita","root","root");
String sql1=("delete from products where
Product_ID="+del);
PreparedStatement
ps1=con1.prepareStatement(sql1);
ps1.executeUpdate();
JOptionPane.showMessageDialog(getContentPane(
),"Product Record Deleted !");
}catch(Exception de){}
}
}

if(e.getSource()==delsupp)
{
int i=supplierTable.getSelectedRow();
System.out.println(i);
String del=dtm2.getValueAt(i,0).toString();
System.out.println(del);
if(i>=0)
{
dtm2.removeRow(i);
try
{
Class.forName("com.mysql.cj.jdbc.Driver");
Connection
con1=DriverManager.getConnection("jdbc:mysql://
localhost:3306/nikita","root","root");
String sql1=("delete from suppliers where
name='"+del+"' ");
PreparedStatement
ps1=con1.prepareStatement(sql1);
ps1.executeUpdate();
JOptionPane.showMessageDialog(getContentPane(
),"Supplier Record Deleted !");
}catch(Exception de){}
}

}

if(e.getSource()==srchbtn)
{
int flag=0; //searchbar,pname,pqty,pprice,pexp;
try {
Class.forName("com.mysql.cj.jdbc.Driver");
Connection
con3=DriverManager.getConnection("jdbc:mysql://
localhost:3306/nikita","root","root");
Statement st=con3.createStatement();
ResultSet rs=st.executeQuery("select
Product_Name from products");
while(rs.next())
{
if(searchbar.getText().equals(rs.getString("Product
_Name")))
{
flag=1;
break;
}
}

st.close();
con3.close();
```

```
}catch(Exception e3){}

if(flag==1)
{
try {
Class.forName("com.mysql.cj.jdbc.Driver");
Connection
con3=DriverManager.getConnection("jdbc:mysql://
localhost:3306/nikita","root","root");
Statement st=con3.createStatement();
ResultSet rs=st.executeQuery("select
Product_Name,Expiry_Date,Price from products
where Product_Name='"+searchbar.getText()+"' ");

while(rs.next())
{
pname.setText(rs.getString("Product_Name"));
pexp.setText(""+rs.getDate("Expiry_Date"));
pprice.setText(""+rs.getInt("Price"));




}
}catch(Exception ep){}
}
else{
pname.setText("");
pexp.setText("");
pprice.setText("");
pqty.setText("");
JOptionPane.showMessageDialog(getContentPane(
),"Product Not Available ");
}
}
if(e.getSource()==addp)
{
java.text.DateFormat df=new
java.text.SimpleDateFormat("dd/MM/yy
HH:mm:ss");
java.util.Date dt=new java.util.Date();
String currdate=(df.format(dt)).toString();
obj4[0]=pname.getText();
obj4[1]=pexp.getText();
obj4[2]=pqty.getText();
obj4[3]=pprice.getText();
obj4[4]=currdate;
dtm4.addRow(obj4);
total=total+(Integer.parseInt(pprice.getText())*Inte
ger.parseInt(pqty.getText()));
totp.setText(distot+total);
try{
Class.forName("com.mysql.cj.jdbc.Driver");
Connection
con=DriverManager.getConnection("jdbc:mysql://l
ocalhost:3306/nikita","root","root");
String sql="insert into sales values(?,?,?,?,?)";
PreparedStatement ps=con.prepareStatement(sql);
ps.setString(1,pname.getText());
ps.setString(2,pexp.getText());
ps.setInt(3,Integer.parseInt(pqty.getText()));
ps.setInt(4,total);
ps.setString(5,currdate);
ps.executeUpdate();
System.out.println("Inserted");
Statement st=con.createStatement();
ResultSet rs=st.executeQuery("select *from sales");
if(rs.last())
{
obj3[0] = rs.getString(1);
obj3[1] = rs.getString(2);
obj3[2] = rs.getInt(3);
obj3[3] = rs.getInt(4);
obj3[4] = rs.getString(5);
dtm3.addRow(obj3);
}
st.close();
ps.close();
con.close();
}catch(Exception e2){}
}
if(e.getSource()==logout)
{
setVisible(false);
total=0;
Medical l=new Medical();
l.setVisible(true);
}
}
class Medical extends JFrame implements
ActionListener
{
JButton logbut;
JLabel user,pass,logimg;
ImageIcon lgnicon;
JTextField u;
JPanel login;
```

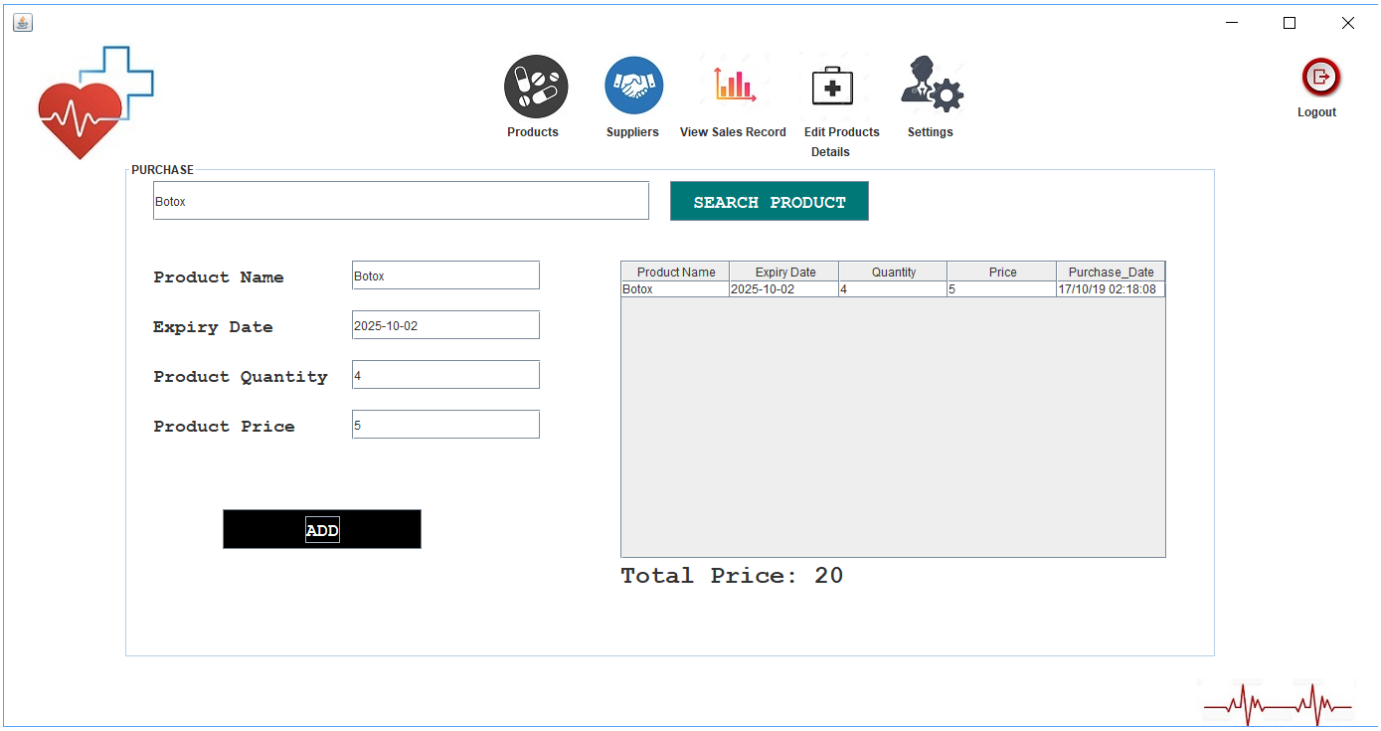
```
JPasswordField p;
Medical()
{
setSize(1400,735);
setLayout(null);
setDefaultCloseOperation(EXIT_ON_CLOSE);
login=new JPanel();
login.setBounds(450,60,500,500);
login.setLayout(null);
login.setBorder(BorderFactory.createTitledBorder("
LOGIN"));
login.setBackground(Color.white);
lgnicon=new ImageIcon("login.jpg");
logimg=new JLabel(lgnicon);
logimg.setBounds(160,20,200,177);
user=new JLabel("Username");
user.setFont(new Font("Courier",Font.BOLD,25));
user.setBounds(40,200,150,30);
u=new JTextField(15);
u.setFont(new Font("Courier",Font.BOLD,20));
u.setBounds(190,200,150,30);
u.setSize(270,40);
pass=new JLabel("Password");
pass.setFont(new Font("Courier",Font.BOLD,25));
pass.setBounds(40,280,150,30);
p=new JPasswordField(15);
p.setFont(new Font("Courier",Font.BOLD,20));
p.setBounds(190,280,150,30);
p.setSize(270,40);
logbut=new JButton("LOGIN");
logbut.setFont(new Font("Courier",Font.BOLD,20));
logbut.setBounds(150,400,150,30);
logbut.setSize(200,50);
logbut.setBackground(Color.black);
logbut.setForeground(Color.white);
login.add(logimg);
login.add(user);
login.add(u);
login.add(pass);
login.add(p);
login.add(logbut);
add(login);
logbut.addActionListener(this);
}
public void actionPerformed(ActionEvent e)
{
if((u.getText().equals("Admin") &&
p.getText().equals("admin123")))
{
setVisible(false);
MenuPage m1=new MenuPage();
m1.setVisible(true);
}
else{
p.setText("");
JOptionPane.showMessageDialog(getContentPane(
),"Incorrect Username or
Password","alert",JOptionPane.ERROR_MESSAGE);
}
}
public static void main(String args[])
{
Medical l=new Medical();
l.setVisible(true);
}
}
```

Output:

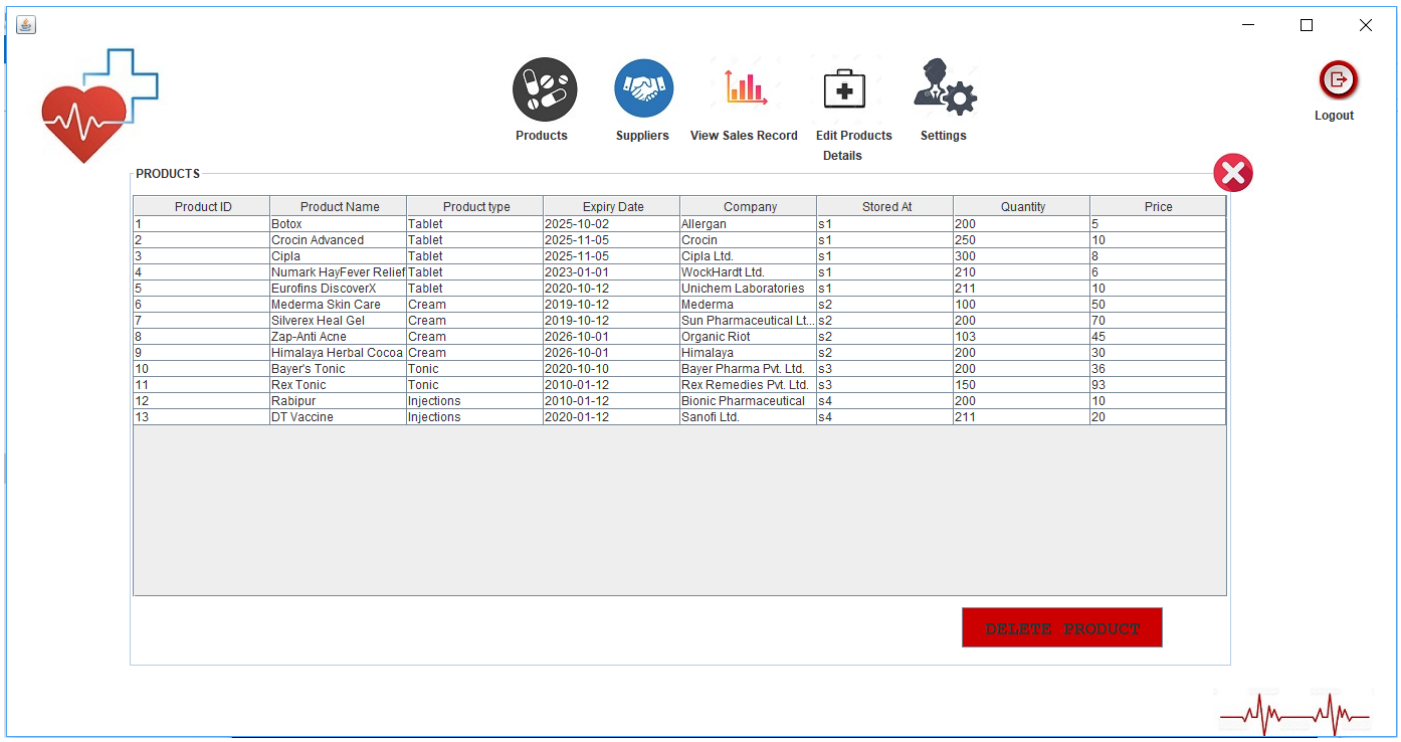
Login page



Purchase product

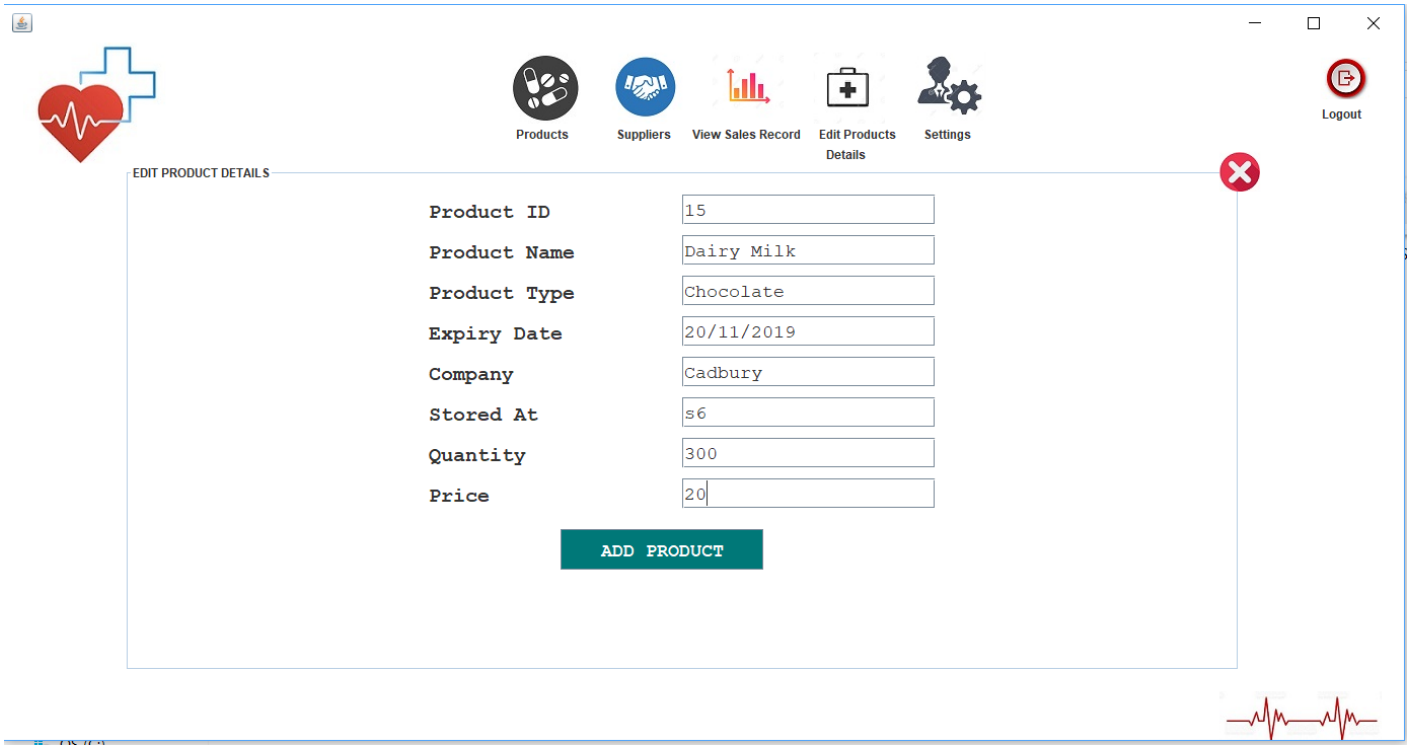


Product details

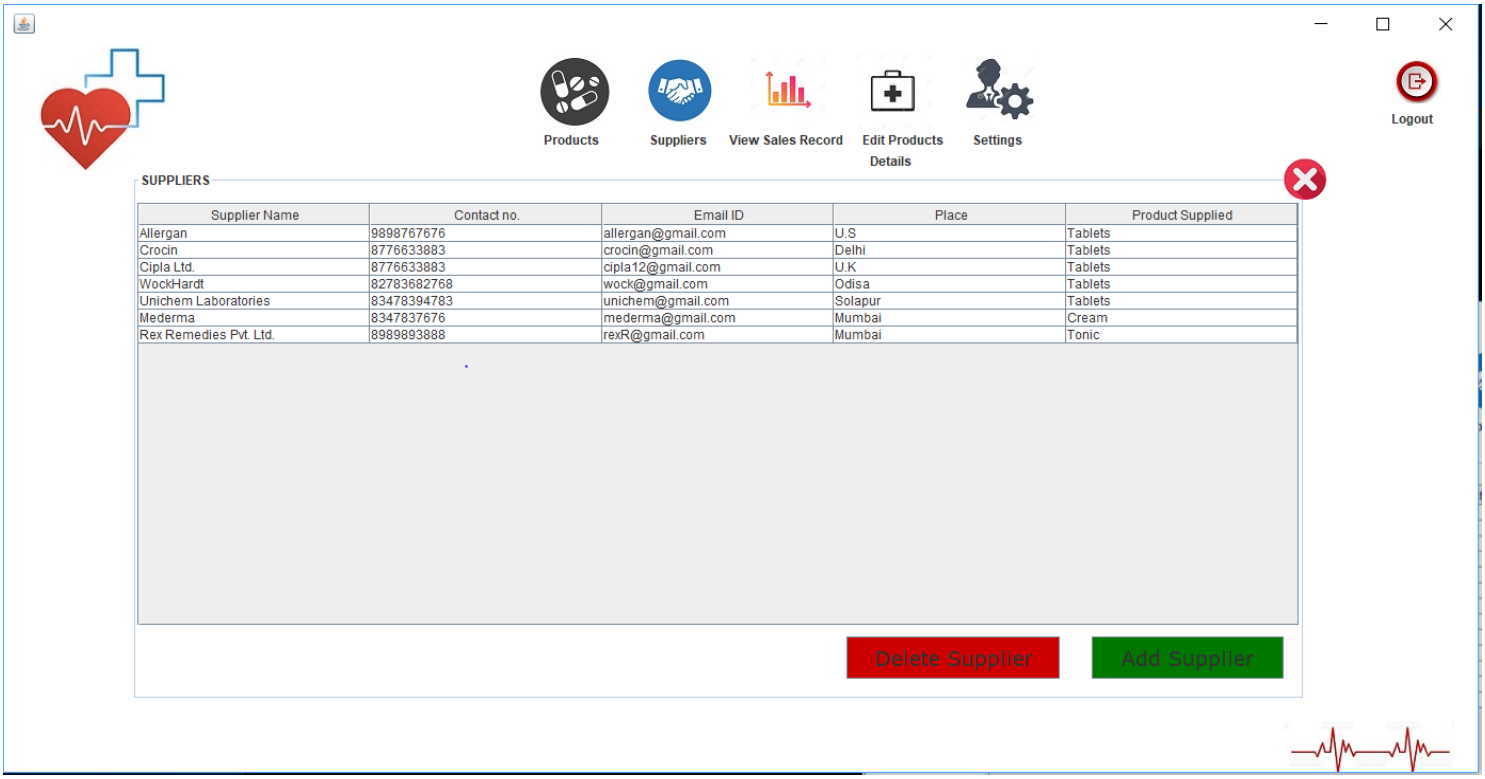


Product ID	Product Name	Product type	Expiry Date	Company	Stored At	Quantity	Price
1	Botox	Tablet	2025-10-02	Allergan	s1	200	5
2	Crocin Advanced	Tablet	2025-11-05	Crocin	s1	250	10
3	Cipla	Tablet	2025-11-05	Cipla Ltd.	s1	300	8
4	Numark HayFever Relief	Tablet	2023-01-01	WockHardt Ltd.	s1	210	6
5	Eurofins DiscoverX	Tablet	2020-10-12	Unichem Laboratories	s1	211	10
6	Mederma Skin Care	Cream	2019-10-12	Mederma	s2	100	50
7	Silverex Heal Gel	Cream	2019-10-12	Sun Pharmaceutical Lt...	s2	200	70
8	Zap-Anti Acne	Cream	2026-10-01	Organic Riot	s2	103	45
9	Himalaya Herbal Cocoa	Cream	2026-10-01	Himalaya	s2	200	30
10	Bayer's Tonic	Tonic	2020-10-10	Bayer Pharma Pvt. Ltd.	s3	200	36
11	Rex Tonic	Tonic	2010-01-12	Rex Remedies Pvt. Ltd.	s3	150	93
12	Rabipur	Injections	2010-01-12	Bionic Pharmaceutical	s4	200	10
13	DT Vaccine	Injections	2020-01-12	Sanofi Ltd.	s4	211	20

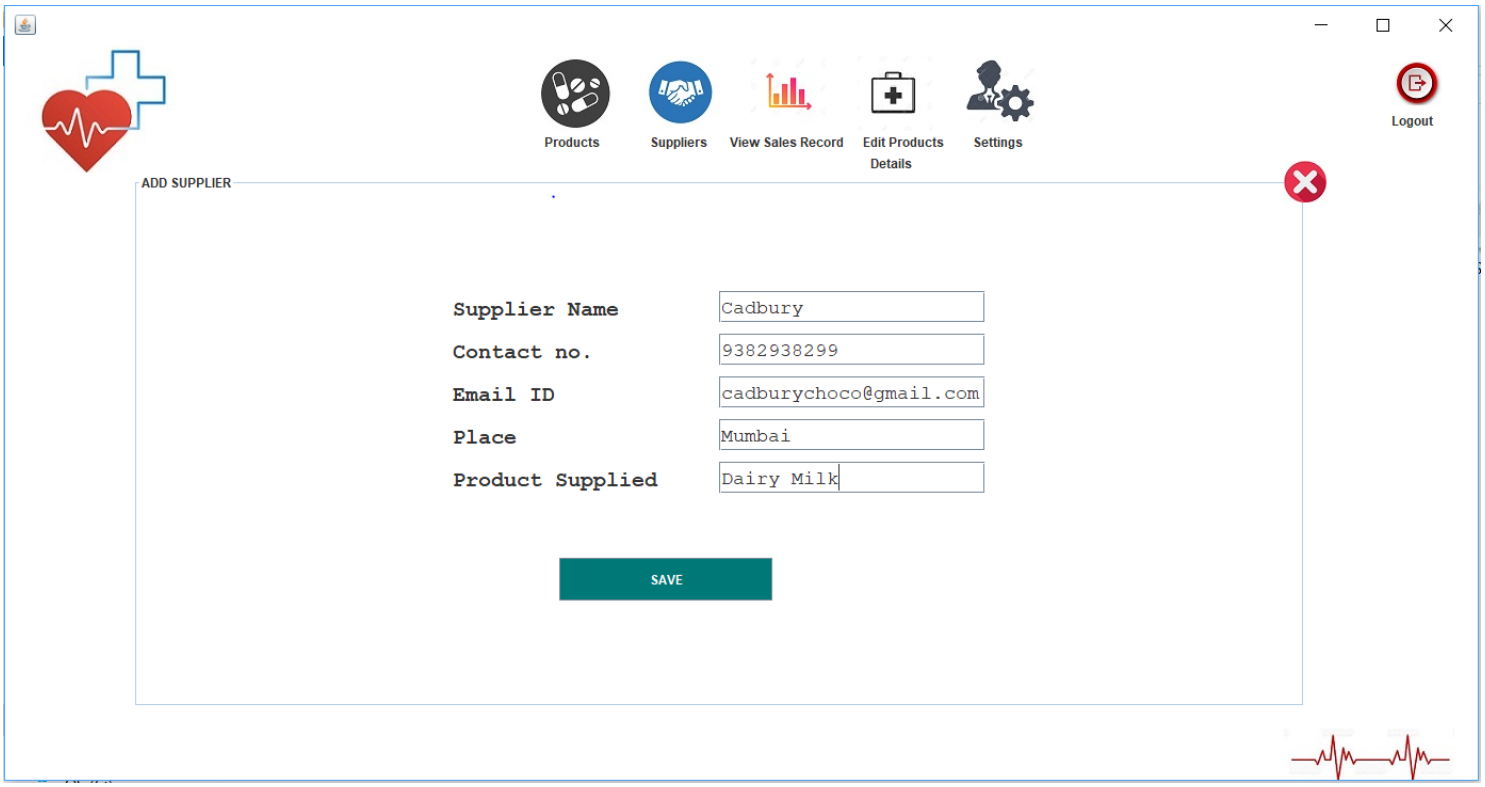
Edit product



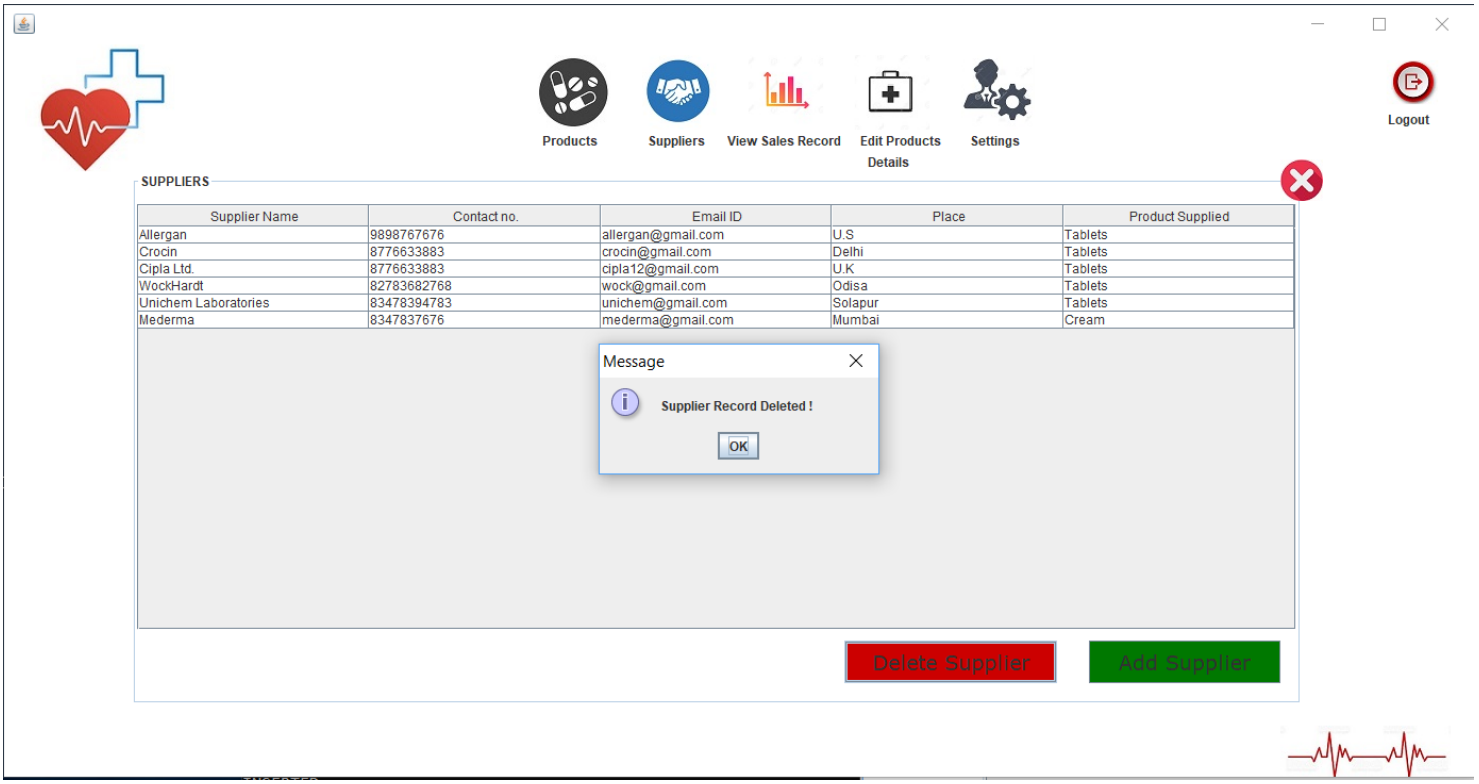
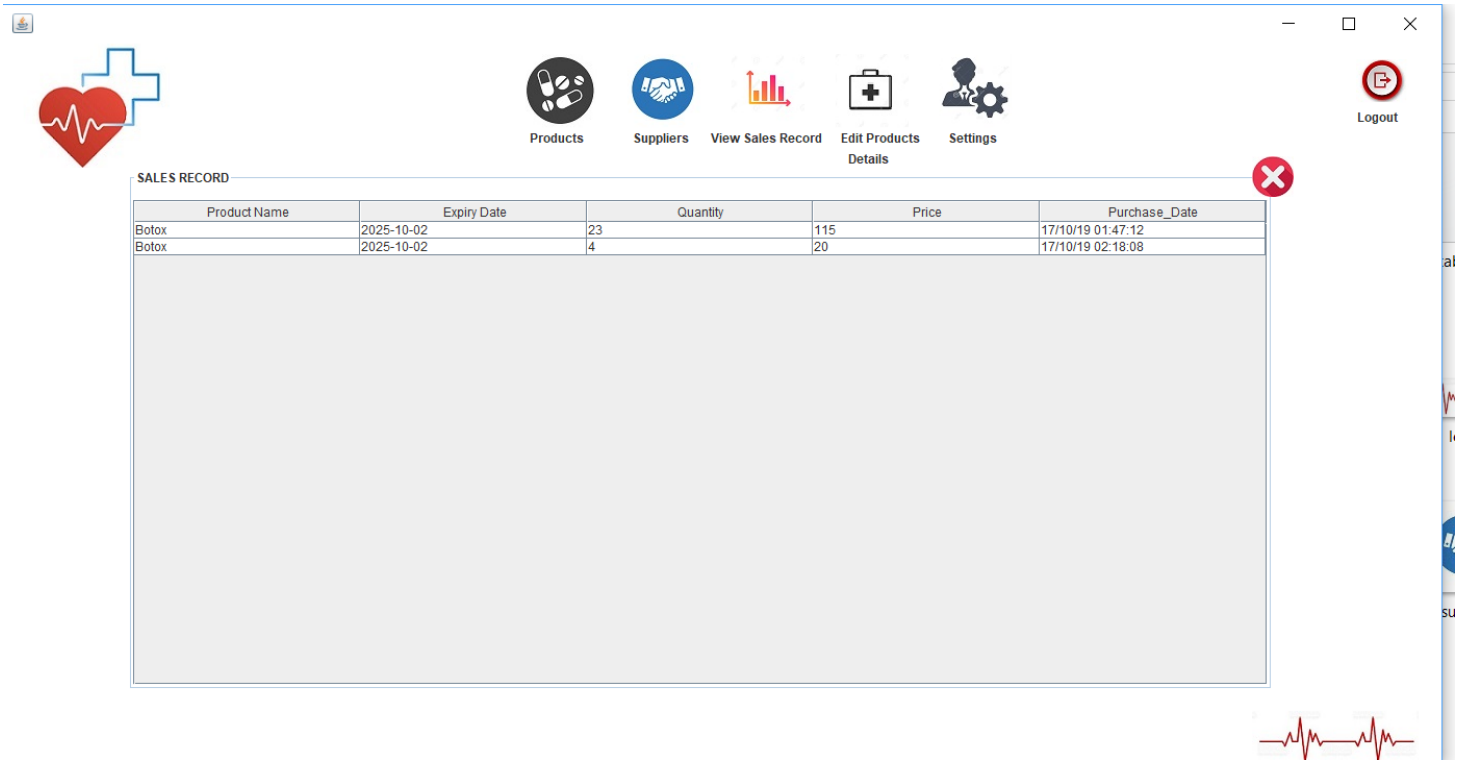
Supplier details



Add supplier



Delete supplier



Sales record