**Login Module:**

packagecrime\_file\_management;

/\*\*@author Ubaid Khan

\*/

importjavax.swing.\*;

importjava.awt.event.\*;

public class LoginModule extends JFrame implements ActionListener

{

JLabelUserNameLabel,PasswordLabel;

JTextFieldusernameTextField;

JPasswordFieldpasswordTextField;

JButton Login;

publicLoginModule(String Title)

{

JFrame f=new JFrame();

UserNameLabel=new JLabel("UserName:");

UserNameLabel.setBounds(10, 10, 150, 25);

PasswordLabel=new JLabel("Password:");

PasswordLabel.setBounds(10, 50, 150, 25);

usernameTextField=new JTextField(10);

usernameTextField.setBounds(165, 10, 200, 25);

passwordTextField=new JPasswordField(10);

passwordTextField.setBounds(165, 40, 200, 25);

Login=new JButton("Login");

Login.setBounds(215, 70, 150, 25);

Login.addActionListener(this);

passwordTextField.setEchoChar('\*');

add(UserNameLabel);

add(usernameTextField);

add(PasswordLabel);

add(passwordTextField);

add(Login);

@Override

public void actionPerformed(ActionEventae)

{

/\*UserNameLabel=new JLabel("UserName:");

PasswordLabel=new JLabel("Password:");

usernameTextField=new JTextField(10);

passwordTextField=new JTextField(10);

Login=new JButton("Login");

Login.setActionListener(this);\*/

if(usernameTextField.getText().equals("admin")&&passwordTextField.getText().equals("admin"))

{

JOptionPane.showMessageDialog(this,"Logged in successfully");

Database\_Classdb=new Database\_Class();

HomeModule m=new HomeModule("Home");

m.setVisible(true);

}

else

{

JOptionPane.showMessageDialog(this,"Unauthorised !");

}

}

public static void main(String args[])throws Exception

{

LoginModulem = new LoginModule("Crime File Management System");

m.setLayout(null);

m.setSize(400,400);

m.setVisible(true);

}

}

**Home Module:**

packagecrime\_file\_management;

importjava.awt.event.\*;

importjavax.swing.\*;

importjava.sql.\*;

/\* @author Ubaid Khan

\*/

public class HomeModule extends JFrame implements ActionListener

{

JButtonperson\_details,NOC,AOC,report;

publicHomeModule(String title)

{

JFrame f=new JFrame();

setLayout(null);

person\_details=new JButton("Insert Person Details");

person\_details.setBounds(100, 10, 250, 25);

NOC=new JButton("Nature Of Complaint");

NOC.setBounds(100, 70, 250, 25);

AOC=new JButton("Action Against Complaint");

AOC.setBounds(100, 130,250, 25);

report=new JButton("Report");

report.setBounds(100, 190, 250, 25);

person\_details.addActionListener(this);

NOC.addActionListener(this);

AOC.addActionListener(this);

report.addActionListener(this);

add(person\_details);

add(NOC);

add(AOC);

add(report);

}

@Override

public void actionPerformed(ActionEvent e)

{

String getButton=e.getActionCommand();

if(getButton.equals("Insert Person Details")){

Person\_Details p=new Person\_Details("Person Details");

p.setVisible(true);

}

if(getButton.equals("Nature Of Complaint")){

Nature\_Of\_Complaints n=new Nature\_Of\_Complaints();

n.setVisible(true);

}

if(getButton.equals("Action Against Complaint")){

Action\_Against\_Complaint a=new Action\_Against\_Complaint();

a.setVisible(true);

}

if(getButton.equals("Report")){

PersonDataReport r=new PersonDataReport();

r.setVisible(true);

}

}

}

**Person Details Module:**

packagecrime\_file\_management;

importjava.awt.HeadlessException;

importjavax.swing.\*;

importjava.awt.event.\*;

importjava.sql.\*;

/\*\*@author Ubaid Khan

\*/

classPerson\_Details extends JFrame implements ActionListener

{

Connection con;

PreparedStatementps=null;

JLabelperson\_name,per\_address,phone\_no,email,profession;

JTextFieldp\_name,p\_addr,p\_phone,p\_email,prof;

JButton submit;

JFramejf=new JFrame();

publicPerson\_Details(String title)

{

setLayout(null );

person\_name=new JLabel("Person Name:");

person\_name.setBounds(10, 10, 150, 25);

per\_address=new JLabel("Permanent Address:");

per\_address.setBounds(10, 50, 150, 25);

phone\_no=new JLabel("Phone No:");

phone\_no.setBounds(10,90,150, 25);

profession=new JLabel("Profession");

profession.setBounds(10, 130, 150, 25);

email=new JLabel("Email Address:");

email.setBounds(10, 170, 150, 25);

p\_name=new JTextField(15);

p\_name.setBounds(165, 10, 200, 25);

p\_addr=new JTextField(30);

p\_addr.setBounds(165, 50, 200, 25);

p\_phone=new JTextField(10);

p\_phone.setBounds(165, 90, 200, 25);

prof=new JTextField(15);

prof.setBounds(165, 130, 200, 25);

p\_email=new JTextField(15);

p\_email.setBounds(165, 170, 200, 25);

submit=new JButton("Submit Details");

submit.setBounds(165,240,200,25);

submit.addActionListener(this);

add(person\_name);

add(per\_address);

add(phone\_no);

add(email);

add(p\_name);

add(p\_addr);

add(p\_phone);

add(profession);

add(prof);

add(p\_email);

add(submit);

}

@Override

public void actionPerformed(ActionEvent e)

{

try

{

con=DriverManager.getConnection("jdbc:mysql://localhost:3306/crime\_database","root","");

JOptionPane.showMessageDialog(rootPane,"Connected with person database");

String ins="insert into person\_database(`Name`, `Address`, `Email`, `Phone`, `Profession`)values(?,?,?,?,?)";

ps=con.prepareStatement(ins);

ps.setString(1, p\_name.getText());

ps.setString(2, p\_addr.getText());

ps.setString(3,p\_email.getText());

ps.setString(4, p\_phone.getText());

ps.setString(5, prof.getText());

int i=ps.executeUpdate();

if(i==1)

{

JOptionPane.showMessageDialog(rootPane,"Record insereted");

}

else

{

JOptionPane.showMessageDialog(rootPane,"Record not inserted");

}

}

catch(HeadlessException | SQLExceptionec)

{

ec.printStackTrace();

}

Nature\_Of\_Complaints n=new Nature\_Of\_Complaints();

n.setVisible(true);

}

public static void main(String args[])

{

}

}

**Nature of complaints Module:**

packagecrime\_file\_management;

importjavax.swing.\*;

importjava.awt.event.\*;

importjava.sql.\*;

/\*\*

\*

\* @author Ubaid Khan

\*/

classNature\_Of\_Complaints extends JFrame implements ActionListener{

Connection con;

PreparedStatementpst;

String crimetype,crime,tm,per\_inv;

JLabeltype,date,person\_involve,time,loc;

JTextFieldtypeofcrime,p\_involve,crime\_date,timetf,locationtf;

JButton submit;

publicNature\_Of\_Complaints()

{

setLayout(null);

JFramejfr=new JFrame();

submit=new JButton("Submit");

submit.setBounds(165,240,200,25);

submit.addActionListener(this);

type=new JLabel("Nature of complaint:");

type.setBounds(10,10,150,25);

person\_involve=new JLabel("Involved persons:");

person\_involve.setBounds(10,50,150,25);

date=new JLabel("Date of incident:");

date.setBounds(10,90,150,25);

time=new JLabel("Time of incident");

time.setBounds(10,130,150,25);

loc=new JLabel("Location of incident:");

loc.setBounds(10,170,150,25);

typeofcrime=new JTextField(15);

typeofcrime.setBounds(165, 10, 200, 25);

p\_involve=new JTextField(10);

p\_involve.setBounds(165,50,200,25);

crime\_date=new JTextField(8);

crime\_date.setBounds(165,90,200,25);

timetf=new JTextField(8);

timetf.setBounds(165,130,200,25);

locationtf=new JTextField(30);

locationtf.setBounds(165,170,200,25);

add(type);

add(date);

add(person\_involve);

add(time);

add(loc);

add(typeofcrime);

add(crime\_date);

add(p\_involve);

add(timetf);

add(locationtf);

add(submit);

}

@Override

public void actionPerformed(ActionEvent e)

{

/\*crimetype=typeofcrime.getText();

per\_inv=p\_involve.getText();

crime=crime\_date.getText();

tm=t.getText();\*/

try

{

con=DriverManager.getConnection("jdbc:mysql://localhost:3306/crime\_database","root","");

JOptionPane.showMessageDialog(rootPane,"Connected with Nature of crime table");

String add="INSERT INTO `nature\_of\_crime`(`Type`, `person\_involved`, `Date`, `Time`, `Location`)values(?,?,?,?,?);";

pst=con.prepareStatement(add);

pst.setString(1,typeofcrime.getText());

pst.setString(2,p\_involve.getText());

pst.setString(3,crime\_date.getText());

pst.setString(4,timetf.getText());

pst.setString(5,locationtf.getText());

int i=pst.executeUpdate();

if(i==1)

{

JOptionPane.showMessageDialog(rootPane,"Record Inserted");

}

else

{

JOptionPane.showMessageDialog(rootPane,"Record not inserted");

}

con.close();

}

catch(SQLException se)

{

se.printStackTrace();

}

}

}

**Action Against complaint module:**

packagecrime\_file\_management;

importjavax.swing.\*;

importjava.awt.event.\*;

importjava.sql.\*;

/\*\*

\*

\* @author Ubaid Khan

\*/

public class Action\_Against\_Complaint extends JFrame implements ActionListener

{

Connection con;

PreparedStatementps;

JLabelactiondatelbl,actiontype,officer\_inchargelbl,actiontimelbl;

JTextFielddatetf,typetf,officertf,timetf;

JButtonsubmitinfo;

publicAction\_Against\_Complaint()

{

setLayout(null);

actiondatelbl=new JLabel("Action taken on date:");

actiondatelbl.setBounds(10, 10, 150, 25);

actiontype=new JLabel("Type of Action:");

actiontype.setBounds(10,50,150,25);

officer\_inchargelbl=new JLabel("Officer Incharge:");

officer\_inchargelbl.setBounds(10,90,150,25);

actiontimelbl=new JLabel("Action taken at time:");

actiontimelbl.setBounds(10,130,150,25);

datetf=new JTextField(10);

datetf.setBounds(165, 10, 200, 25);

typetf=new JTextField(30);

typetf.setBounds(165,50,200,25);

officertf=new JTextField(15);

officertf.setBounds(165,90,200,25);

timetf=new JTextField(8);

timetf.setBounds(165,130,200,25);

submitinfo=new JButton("Save");

submitinfo.addActionListener(this);

submitinfo.setBounds(165,200,150,25);

add(actiondatelbl);

add(actiontype);

add(officer\_inchargelbl);

add(actiontimelbl);

add(datetf);

add(typetf);

add(officertf);

add(timetf);

add(submitinfo);

try

{

con=DriverManager.getConnection("jdbc:mysql://localhost:3306/crime\_database","root","");

JOptionPane.showMessageDialog(rootPane,"Connected with Action Table");

}

catch(SQLException e)

{

e.printStackTrace();

}

}

public void actionPerformed(ActionEvent e)

{

try

{

ps=con.prepareStatement("insert into action values(?,?,?,?)");

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

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

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

ps.setString(4,officertf.getText());

int i=ps.executeUpdate();

if(i==1){

JOptionPane.showMessageDialog(rootPane,"Record inserted");

}

else

{

JOptionPane.showMessageDialog(rootPane,"Record not inserted");

}

}

catch(SQLException se)

{

se.printStackTrace();;

}

}

}

**Person Data Report Module:**

packagecrime\_file\_management;

importjavax.swing.\*;

importjava.sql.\*;

importjava.util.ArrayList;

importjavax.swing.table.DefaultTableModel;

public class PersonDataReport extends JFrame

{

String name,adrs,email,phone,profession;

Connection con;

PreparedStatementps;

ResultSetrs;

JScrollPanejsp;

PersonDataReport p;

ArrayList<PersonDataReport>parraylist;

public String getName(){

return name;

}

public String getAddress(){

returnadrs;

}

public String getEmail(){return email;}

public String getPhone(){return phone;}

public String getProfession(){return profession;}

publicPersonDataReport(String n,Stringadr,Stringem,Stringph,String pro)

{

p=new PersonDataReport(n, adr, em, ph, pro);

ArrayList<PersonDataReport>parraylist=new ArrayList<PersonDataReport>();

try

{

con=DriverManager.getConnection("jdbc:mysql://localhost:3306/crime\_database","root","");

JOptionPane.showMessageDialog(rootPane,"Report Connection Made");

}

catch (SQLException ex)

{

ex.printStackTrace();

}

}

}

public ArrayList<PersonDataReport>getUsers(){

try

{

String sqlshow="select \* from person\_database";

ps=con.prepareStatement(sqlshow);

rs=ps.executeQuery();

while(rs!=null){

p=new PersonDataReport(rs.getString("n"),rs.getString("adr"),rs.getString("em"),rs.getString("ph"),

rs.getString("pro"));

parraylist.add(p);

}

}catch(SQLException se)

{

se.printStackTrace();

}

returnparraylist;

}

public static void main(String args[]){

JTable table=new JTable();

DefaultTableModel model=new DefaultTableModel();

Object[] columnsName = new Object[5];

columnsName[0] = "name";

columnsName[1] = "adrs";

columnsName[2] = "email";

columnsName[3] = "phone";

columnsName[4]= "profession";

model.setColumnIdentifiers(columnsName);

Object[] rowData = new Object[5];

for(int i = 0; i <getUsers().size(); i++)

{

rowData[0] = getUsers().get(i).getName();

rowData[1] = getUsers().get(i).getAddress();

rowData[2] = getUsers().get(i).getEmail();

rowData[3] = getUsers().get(i).getPhone();

rowData[4]= getUsers().get(i).getProfession();

model.addRow(rowData);

}

}

**Database Class:**

/\*

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\* and open the template in the editor.

\*/

packagecrime\_file\_management;

importjava.sql.\*;

importjavax.swing.\*;

importjavax.swing.JOptionPane;

/\*\* @author Ubaid Khan

\*/

public class Database\_Class extends JFrame

{

publicDatabase\_Class()

{

Connection con;

Statement st;

ResultSetrs;

try

{

Class.forName("com.mysql.jdbc.Driver");

JOptionPane.showMessageDialog(rootPane,"Driver Registered");

con=DriverManager.getConnection("jdbc:mysql://localhost:3306/crime\_database","root","");

JOptionPane.showMessageDialog(rootPane,"Connection Established");

}

catch(Exception e)

{

e.printStackTrace();

JOptionPane.showMessageDialog(rootPane,"Connection Didn't Established");

}

}

public static void main(String args[])

{

}

}

**Output:**





























