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**(Roll No : 1234567)**

**(Computer Sci. Teacher)**

**Name of Faculty**

**Submitted To :**

**Submitted By :**

**SENIOR SECONDARY EXAMINATION (AISSCE)**

**Submitted in partial rollback in fulfillment of the requirement for the**

**“LIBRARY MANAGEMENT SYSTEM”**

**A PROJECT ON**

**INFORMATION PRACTICES**

**CERTIFICATE .**

This is to certify that the project titled “LIBRARY MANAGEMENT SYSTEM” submitted by Miss/Master **STUDENT NAME** having roll no \_\_\_\_\_\_\_\_ of CLASS XII has completed this project for partial rollback in full - fillment of the requirement for the senior secondary examination (AISSCE) embodies the bonafide work done by him/her under my supervision.

**Internal Supervisor External Supervisor**

**Signature Signature**

**Name : Name :**

**Date : Date :**

**ID – SHEET**

**Roll No : ………………………….**

**Name of Student : ………………………….**

**Address : ………………………….**

**………………………….**

**Phone No : ………………………….**

**Email Address : ………………………….**

**Supervisor : ………………………….**

**Project Title : ………………………….**

**Front End Tool : ………………………….**

**Back End Tool : ………………………….**

**ACKNOWLEDGEMENT**

*It would be our outmost pleasure to express our sincere thanks to our Computer Science Teacher “****Faculty Name”*** *in providing a helping hand in this project.*

*His unflagging patience, creativity and immense knowledge that he shared with us have proved highly beneficial to us and have made our Project possible and successful.*

**Student Name**

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**INTRODUCTION**

This program is designed for the use of **Library Management System** and its functioning Main Objective of this project to facilitate the transactions through use of electronic medium. We use **java netbeans 6.5 software and Mysql** to programming our project.

**What is java?**

Java is a general purpose object oriented programming language . It is the first programming language that is not tied to any particular hardware or operating system .The language is based on the concept of an object. Java is highly derived from C++ . Most striking feature of the language is that it is platform neutral language.

There were five primary goals in the creation of the Java language:

• It should use the object-oriented programming methodology.

• It should allow the same program to be executed on multiple operating systems.

• It should contain built-in support for using computer networks.

• It should be designed to execute code from remote sources securely.

• It should be easy to use and borrow the good parts of older object-oriented languages like C++.

**Java tools**

In order to write java application or applets ,one need more than a language . The tools that lets one to write , test , debug programs.

**Java features**

● Compiler and Interpreted

● Platform independent

● Simple

● Secure

● Familiar

● Portable

● Object-Oriented

● Robust

● Multithreaded

● High performance

● Distributed

● Dynamic

Compiler and Interpreted - There is a java compiler , named javac . The java compiler takes input source code files (these files typically have the ext.java) and converts them into compiled bytecode files.The java Interpreter known as javac can be used to execute java application .The interpreter translates bytecode directly into program actions.

Platform independent - Java programs can be easily moved from one computer to another, anywhere and anytime.Changes and upgrades made in operating systems, processors and system resources will not force any changes in java programs.

Simple - Java is designed to be easy for programmer to learn and use efficiently.

Secure- When we use a java compatible web browser, we can safely download java applets without fear of virus infection. Java achieves this protection by confining a java program to java execution environment and not allowing it access to other parts of the computer.

Familiar- It is modeled on C, C++ languages. Java code looks like C++.

Portable- Java compiler generates bytecode instructions that can be implemented on any machine and also the size of the primitive data types are machine independent.

Object-Oriented - Java is a true object-oriented language. All program code and data reside within objects and classes.

Robust -It provides many safeguards to ensure reliable code. It has strict compile time and run time checking for data types. Designed as a garbage-collected language relieving the programmers and also incorpates the concept of exception handling which captures series errors.

Multithreaded - Java supports handling multiple tasks simultaneously which greatly improves the interactive performance of graphical applications.

High performance - Java performance is impressive for an interpreted language , mainly due to use of immediate bytecode . Use of multithreaded and further its architecture is also designed to reduce overheads during runtime.

Distributed - It has ability to share both data and programs. Java applications can open and access remote objects on internet which enables multiple programmers at multiple remote locations to collaborate and work together on single project.

Dynamic - Java is capable of dynamically in new class libraries , methods and objects .It supports functions written in other languages like C,C++ called as native methods.

Automatic garbage collection - One idea behind Java's automatic memory management model is that programmers should be spared the burden of having to perform manual memory management. In some languages the programmer allocates memory to create any object stored on the heap and is responsible for later manually deallocating that memory to delete any such objects. If a programmer forgets to de-allocate memory or writes code that fails to do so in a timely fashion, a memory leak can occur: the program will consume a potentially arbitrarily large amount of memory. In addition, if a region of memory is de-allocated twice, the program can become unstable and may crash.

In Java, this potential problem is avoided by automatic garbage collection. The programmer determines when objects are created and the Java runtime is responsible for managing the objects' lifecycle. The program or other objects can reference an object by holding a reference to it (which, from a low-level point of view, is its address on the heap). When no references to an object remain, the Java garbage collector automatically deletes the unreachable object, freeing memory and preventing a memory leak. Memory leaks may still occur if a programmer's code holds a reference to an object that is no longer needed—in other words, they can still occur but at higher conceptual levels.

Comparing Java and C++, it is possible in C++ to implement similar functionality (for example, a memory management model for specific classes can be designed in C++ to improve speed and lower memory fragmentation considerably), with the possibly cost of extra development time and some application complexity. In Java, garbage collection is built in and virtually invisible to the developer. That is, developers may have no notion of when garbage collection will take place as it may not necessarily correlate with any actions being explicitly performed by the code they write. Depending on intended application, this can be beneficial or disadvantageous: the programmer is freed from performing low-level tasks but at the same time lose the option of writing lower level code.

**Java Magic: The Bytecode**

Bytecode is a highly optimized set of instruction designed to be executed by the java runtime system, which is called Java Virtual Machine and it exists only inside the computer memory.

Java Compiler

Virtual Machine

Java Program

Source code Bytecode

Process of Compilation

Machine code

Bytecode

Java Interpreter

Virtual Machine Real Machine

Process of converting Bytecode into Machine code

**Object Oriented Programming**

Object Oriented Programming is an approach that provides a way of modularizing programs by creating partitioned memory area for both data and functions that can be used as templates for creating copies of such modules on demand.

Objects and Classes - An object is a software bundle of variables and related methods. Objects are key to understanding object-oriented technology. Real-world objects share two characteristics: They all have state and behavior.

Software objects are modeled after real-world objects in that they too have state and behavior Classes can also define class variables. A class variable contains information that is shared by all instances of the class .A class can also declare class methods. You can invoke a class method directly from the class, whereas you must invoke instance methods on a particular instance.

Encapsulation - Wrapping of data and methods into a single unit is known as encapsulation. It is the most striking feature of class. The data is not accessible to outside world and only those methods which are wrapped in the class can access it. The insulation of the data from direct access by the program is called data hiding.

Inheritance - Inheritance is the process by which objects of one class acquire the property of objects of another class. Each subclass inherits state .However, subclasses are not limited to the states and behaviors provided to them by their superclass. Subclasses can add variables and methods to the ones they inherit from the superclass. It supports the concept of hierarchical classification it also provides the use of reusability. .

Polymorphism - This means the ability to take more than one form. An operation may exhibit different behaviour in different instances. The behaviour depends upon the types of data used in the operation. It plays an important role in allowing objects having different internal structures to share external interface.

**Java SE - Java Database Connectivity (JDBC)**

The Java Database Connectivity (JDBC) API is the industry standard for database-independent connectivity between the Java programming language and a wide range of databases – SQL databases and other tabular data sources, such as spreadsheets or flat files. The JDBC API provides a call-level API for SQL-based database access.

JDBC technology allows you to use the Java programming language to exploit "Write Once, Run Anywhere" capabilities for applications that require access to enterprise data. With a JDBC technology-enabled driver, you can connect all corporate data even in a heterogeneous environment.

**Advantages of JDBC Technology :**

Leverage Existing Enterprise Data

Simplified Enterprise Development

Zero Configuration for Network Computers

|  |  |
| --- | --- |
| Driver manager | Loads database drivers and manages the connections between the application and the driver |
| Driver | Translates API calls into operations for a specific data source |
| Connection | A session between an application and a database |
| Statement | A SQL statement to perform a query or update operation |
| Metadata | Information about returned data , database and driver |
| Resultset | Logical set of columns and rows of data returned by executing a statement |

Driver Manager

Connection

Statement

ResultSet

Driver

The JDBC architecture is based on a collection of java interfaces and classes that together enable you to connect to data sources , to create and execute SQL statements and to retrieve and modify data in a database.

The JDBC-ODBC Bridge –“sun.jdbc.odbc.jdbcodbcDriver”-is included with JDK and it enables Java applications to access data through drivers written to the ODBC standard. The driver bridge is useful for accessing data in data sources for which no pure JDBC drivers exist. The bridge works by translating the JDBC methods into ODBC function calls.

**SQL-STRUCTURED QUERY LANGUAGE**

SQL is not a procedural language. It is not used to define complex processes; we can use SQL to use commands that define and manipulate data. SQL is different from other languages.

• SQL is very readable.

• In SQL we always issue commands.

SQL statements fall into two groups:-

● Data Defination Language (DDL) – DDL statements are used to describe the tables and the data they contain. The subset of SQL statements used for modeling the structure (rather than the contents) of a database or cube. The DDL gives you the ability to create, modify, and remove databases and database objects.

● Data Manipulation Language (DML) – DML statements that are used to operate on data in the database. These are statements that allow you to create or alter objects (such as tables, indexes, views, and so on) in the database. The subset of SQL statements used to retrieve and manipulate data. DML can be further divided into 2 groups:-

● Select Statements – Statements that return a set of results.

● Everything else – Statements that don’t return a set of results.

Here are some of the quries defined:-

##### SELECT - SQL statement used to request a selection, projection, join, query, and so on, from a SQL Server database.

**Primary key** – Primary key constraints identify the column or set of columns whose values uniquely identify a row in a table. No two rows in a table can have the same primary key value. You cannot enter a NULL value for any column in a primary key.

**Insert** - The Insert logical operator inserts each row from its input into the object specified in the Argument column. To insert the data into a relation we either specify a tuple to be inserted or write a query.

**Delete** - The Delete logical operator deletes from an object rows that satisfy the optional predicate in the Argument column. We can delete only whole tuples; we cannot delete values on only particular attributes.

**Update** - The Update logical operator updates each row from its input in the object specified in the Argument column. It provides a way of modifying existing data in a table.

**SWING**

SWING is a set of classes that provides powerful and flexible functionality. In addition with several components provided by AWT, swing supplies several exciting additions, including tabbed panes, scroll panes, trees and tables. It also changes the images as the state of any component changes. Swing is built upon the foundation of the AWT. Swing components are written entirely in Java and therefore are Platform-independent .Swing is also termed also light-weight and provide pluggable look and feel.

There are 2 Swing classes that are quite important:

Jframe and Component – Jframe extends the AWT class Frame. It contains additional features that enable it to support Swing components. JComponent extends the AWT component and Container classes. It is the top level class for all Swing components and provides Swing pluggable look and feel.

Here are some of the Swing component classes:

|  |  |
| --- | --- |
| CLASS | DESCRIPTION |
| Abstract Button | Abstract super class for Swing buttons. |
| Button Group | Encapsulates a mutually exclusive set of buttons. |
| Image Icon | Encapsulates an icon. |
| JApplet | The SWING version of APPLET. |
| JButton | The SWING push button class. |
| JCheckBox | The SWING check box class. |
| JComboBox | Encapsulates a combo box . |
| JLabels | The SWING version of a label. |
| JRadioButton | The SWING version of a radio button. |
| JScrollPane | Encapsulates a scrollable window. |
| JTabbedPane | Encapsulates a tabbed window. |
| JTextField | The SWING version of Text field. |
| JTree | Encapsulates a tree based-control. |

Here are the some of the components used:

● **JApplet** – Applet that use SWING must be subclass of JApplet.

JApplet is rich with functionality that is not found in Applet.

● **Icons** – Icons are encapsulated by the Image Icon class, which paints an icon from an image.

● **JLabel** – Labels are the instances of the JLabel class which extends JComponent. It can display text or icon. These are passive controls that do not support any interaction with the user.

● **JTextFields** – Text field is encapsulated by the JTextComponent class which extends JComponent. JTextField allows you to edit one line of text.

● **JButton** – JButton class provides the functionality of a push button. JButton allows an icon of string to be associated with the push button.

● **JCheckBox** – It is supported by the JCheckBox class. It is a control that is used to turn an option on or off.

● **JTextArea** - Text area is encapsulated by the JTextComponent class which extends JComponent. JTextArea allows you to edit multiline of text.

● **JRadioButton** – it is supported by the JRadioButton class. It can be configured into a group of check boxes in which only one check box can be checked at any one time.

● **JComboBox** – It is provided through the JComboBox class. It normally displays one entry and can also display a drop down list that allows a user to select a different entry.

● **JScrollPane** – It is a component that presents a rectangular area in which a component may be viewed. These are implemented in Swing by JScrollPane class.

● **JTree** - It is a component that presents a hierarchical view of data. A user has ability to expand individual subtrees. These are implemented in Swing by JTree class.

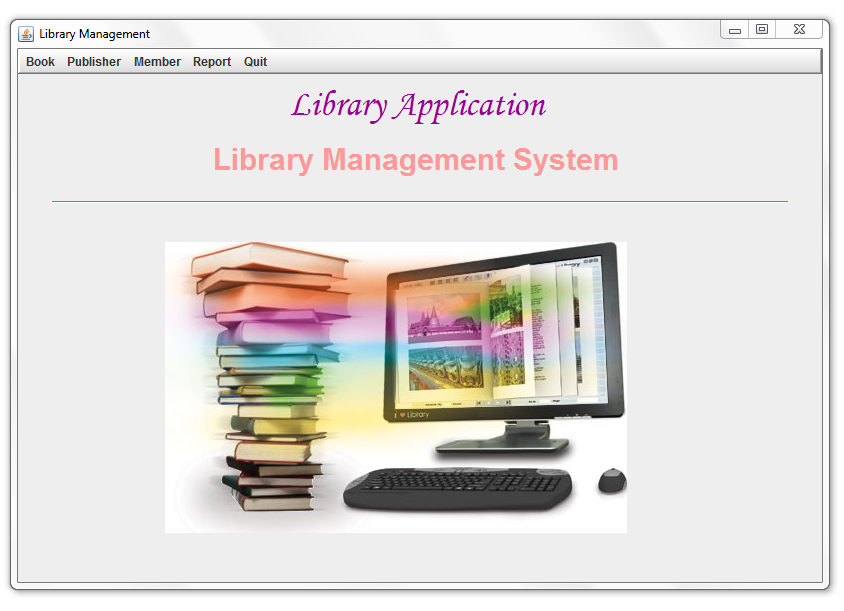
**ADVANTAGES OF (JAVAX) SWING**:

1. It provides more powerful and more flexible components possible in AWT package. For e.g. JButton can have both image as well as text field associated with it which is not possible in awt package.
2. Unlike AWT components SWING components are not implemented by platform-specific code. Instead they are written entirely in java and therefore are platform independent. Thus term *lightweight* is used to describe such elements.
3. Further the Swing components can provide pluggable look and feel, which means that it is easy to substitute another appearance and behavior for an element.

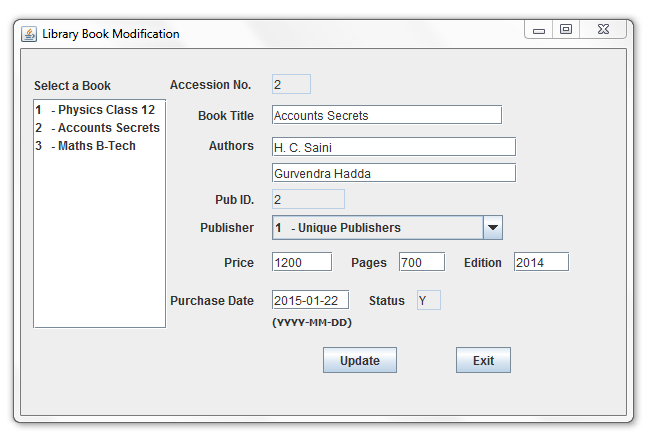
**PRELIMINARY DESIGN**

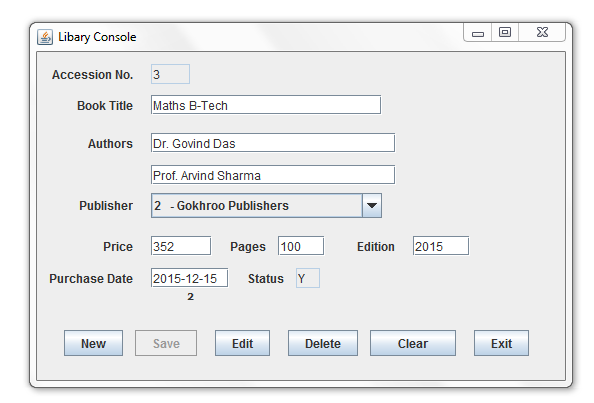
**(User Interface)**

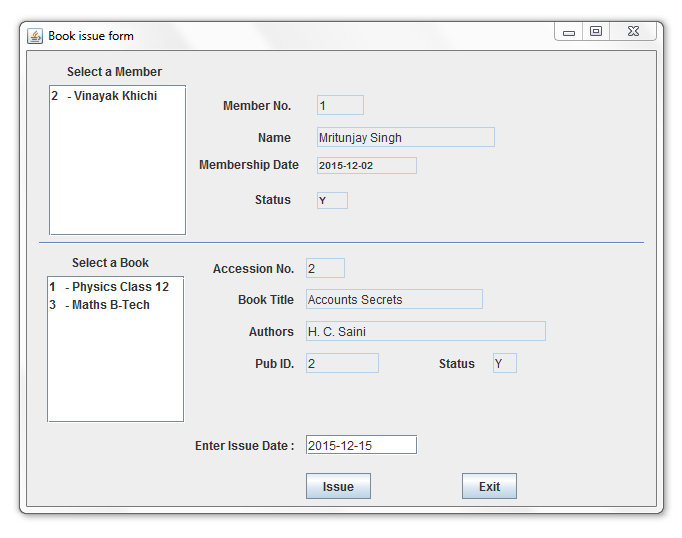
**FORM LAYOUTS**

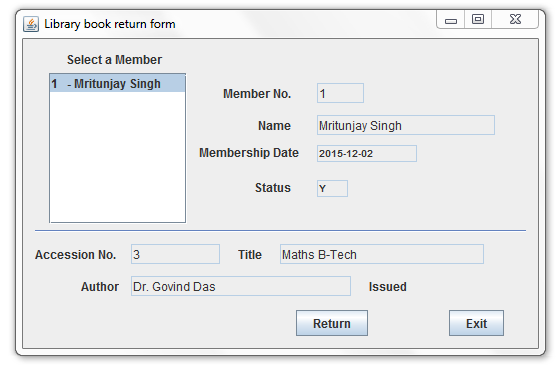
****

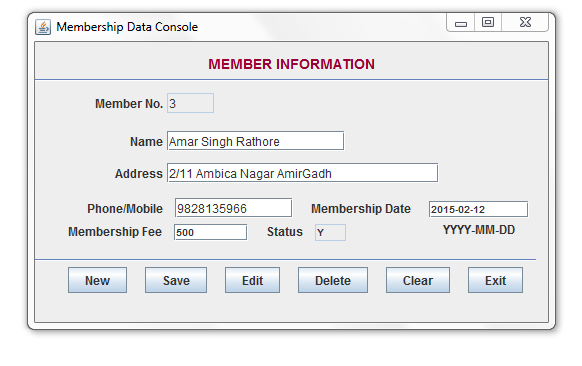
****

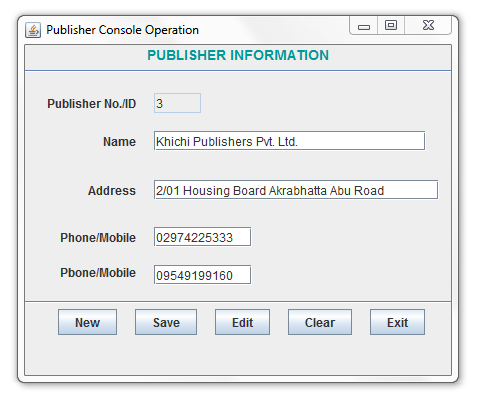
****

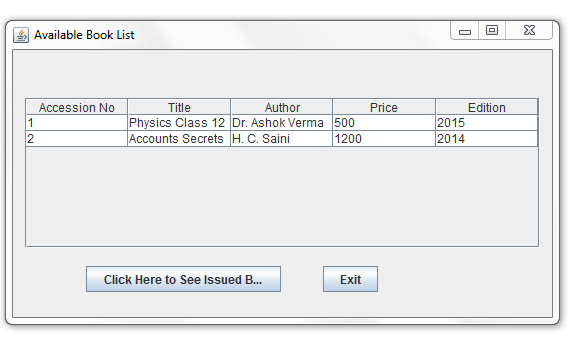
****

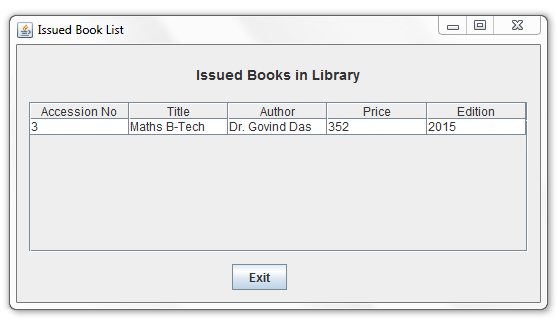
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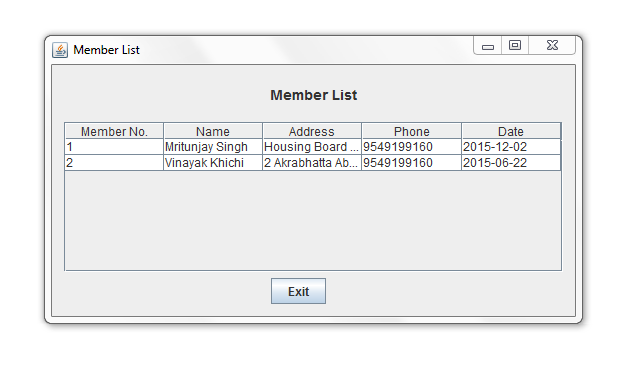
****

****

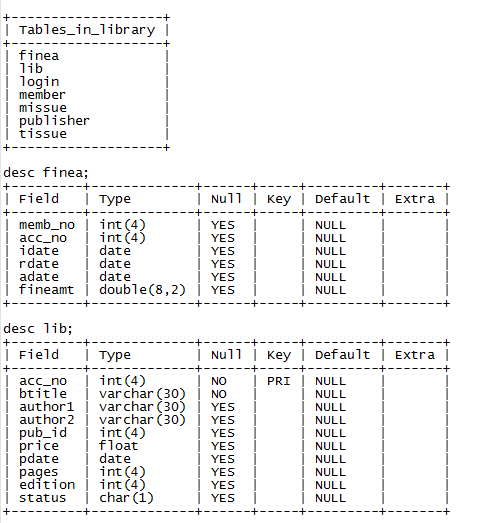
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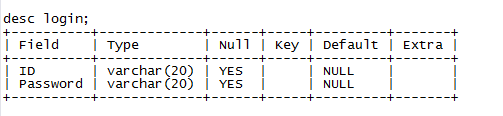
****

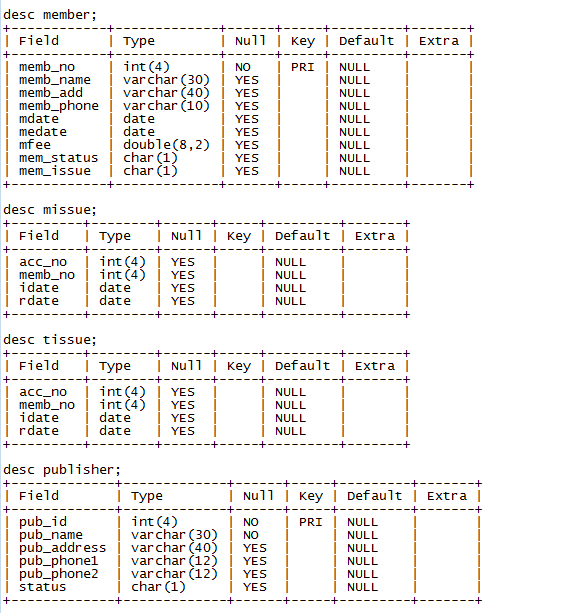
****

****

**DATABASE DESIGN**

****

****

****

**IMPLEMENTATION**

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**LOG IN**

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

import com.mysql.jdbc.Connection;

import com.mysql.jdbc.Statement;

import java.sql.DriverManager;

import java.sql.ResultSet;

public class login extends javax.swing.JFrame {

/\*\* Creates new form login \*/

public login() {

initComponents();

}

/\*\* This method is called from within the constructor to

\* initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is

\* always regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

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

private void initComponents() {

jPopupMenu1 = new javax.swing.JPopupMenu();

jPopupMenu2 = new javax.swing.JPopupMenu();

jDialog1 = new javax.swing.JDialog();

jLabel3 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

idtf = new javax.swing.JTextField();

PassWordTF = new javax.swing.JPasswordField();

jLabel4 = new javax.swing.JLabel();

jLabel1 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

LogInB = new javax.swing.JButton();

invalidl = new javax.swing.JLabel();

invalid = new javax.swing.JLabel();

javax.swing.GroupLayout jDialog1Layout = new javax.swing.GroupLayout(jDialog1.getContentPane());

jDialog1.getContentPane().setLayout(jDialog1Layout);

jDialog1Layout.setHorizontalGroup(

jDialog1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGap(0, 400, Short.MAX\_VALUE)

);

jDialog1Layout.setVerticalGroup(

jDialog1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGap(0, 300, Short.MAX\_VALUE)

);

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

setTitle("Login - Library Management System || www.ezindagi.in ||");

setBounds(new java.awt.Rectangle(200, 70, 0, 0));

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 12));

jLabel3.setForeground(new java.awt.Color(0, 153, 255));

jLabel3.setText("Password");

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 12));

jLabel2.setForeground(new java.awt.Color(0, 153, 255));

jLabel2.setText("LOG IN ID");

idtf.setBackground(new java.awt.Color(204, 255, 204));

PassWordTF.setBackground(new java.awt.Color(204, 255, 204));

jLabel4.setBackground(new java.awt.Color(204, 204, 255));

jLabel4.setFont(new java.awt.Font("Colonna MT", 3, 24));

jLabel4.setForeground(new java.awt.Color(51, 153, 255));

jLabel4.setText("LIBRARY MANAGEMENT SYSTEM");

jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/e-library2.jpg"))); // NOI18N

jLabel6.setFont(new java.awt.Font("Poor Richard", 0, 18));

jLabel6.setForeground(new java.awt.Color(0, 153, 255));

jLabel6.setText("LOG IN TO CONTINUE");

LogInB.setFont(new java.awt.Font("Tahoma", 1, 18));

LogInB.setForeground(new java.awt.Color(51, 153, 255));

LogInB.setText("Log In");

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

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

LogInBActionPerformed(evt);

}

});

invalidl.setFont(new java.awt.Font("Tahoma", 1, 12));

invalid.setFont(new java.awt.Font("Tahoma", 1, 12));

invalid.setText(" ");

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

.addGap(51, 51, 51)

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

.addGroup(layout.createSequentialGroup()

.addGap(237, 237, 237)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 210, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 428, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addGroup(layout.createSequentialGroup()

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

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 399, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(90, 90, 90)

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

.addComponent(jLabel3)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 68, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(49, 49, 49)

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

.addComponent(idtf, javax.swing.GroupLayout.DEFAULT\_SIZE, 221, Short.MAX\_VALUE)

.addComponent(PassWordTF, javax.swing.GroupLayout.DEFAULT\_SIZE, 221, Short.MAX\_VALUE)

.addGroup(layout.createSequentialGroup()

.addGap(116, 116, 116)

.addComponent(invalidl))))))

.addGap(19, 19, 19)))

.addGap(58, 58, 58))

.addGroup(layout.createSequentialGroup()

.addGap(166, 166, 166)

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

.addGap(18, 18, 18)

.addComponent(invalid)

.addContainerGap(270, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

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

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

.addGap(19, 19, 19)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 31, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 208, Short.MAX\_VALUE)

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

.addComponent(jLabel6)

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

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

.addComponent(jLabel2)

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

.addGap(18, 18, 18)

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

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

.addComponent(jLabel3))

.addGap(17, 17, 17)

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

.addComponent(invalidl)

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

.addComponent(LogInB, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(invalid)))

.addContainerGap())

);

java.awt.Dimension screenSize = java.awt.Toolkit.getDefaultToolkit().getScreenSize();

setBounds((screenSize.width-572)/2, (screenSize.height-469)/2, 572, 469);

}// </editor-fold>

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

// TODO add your handling code here:

invalid.setText("");

String PWord = PassWordTF.getText();

String ID = idtf.getText();

String str = null;

Statement stmt=null;

ResultSet rs = null;

try {

Class.forName("java.sql.Driver");

String database = "jdbc:mysql://localhost:3306/Library";

Connection conn = (Connection) DriverManager.getConnection(database, "root", "root");

stmt = (Statement) conn.createStatement();

String sql = "select \* from login where ID = '" + ID + "'";

rs = stmt.executeQuery(sql);

rs.next();

str = rs.getString("Password");

rs.close();

stmt.close();

conn.close();

if(str.equals(PWord)) {

MainUI m = new MainUI();

m.setVisible(true);

this.setVisible(false);

} else {

invalid.setText("Incorrect ID or Password");

}

} catch (Exception e) { invalid.setText("Incorrect ID or Password");}

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

public void run() {

new login().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton LogInB;

private javax.swing.JPasswordField PassWordTF;

private javax.swing.JTextField idtf;

private javax.swing.JLabel invalid;

private javax.swing.JLabel invalidl;

private javax.swing.JDialog jDialog1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel6;

private javax.swing.JPopupMenu jPopupMenu1;

private javax.swing.JPopupMenu jPopupMenu2;

// End of variables declaration

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**MAIN UI**

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

public class MainUI extends javax.swing.JFrame {

/\*\* Creates new form MainUI \*/

public MainUI() {

initComponents();

}

/\*\* This method is called from within the constructor to

\* initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is

\* always regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

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

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jSeparator1 = new javax.swing.JSeparator();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jMenuBar1 = new javax.swing.JMenuBar();

jMenu2 = new javax.swing.JMenu();

mnuLib = new javax.swing.JMenuItem();

mnuLibEdit = new javax.swing.JMenuItem();

mnuIssue = new javax.swing.JMenuItem();

mnuReturn = new javax.swing.JMenuItem();

jMenu1 = new javax.swing.JMenu();

mnuPub = new javax.swing.JMenuItem();

mnuPMod = new javax.swing.JMenuItem();

mnuPDel = new javax.swing.JMenuItem();

mnuPNav = new javax.swing.JMenuItem();

jMenu3 = new javax.swing.JMenu();

mnuMemb = new javax.swing.JMenuItem();

mnuMMod = new javax.swing.JMenuItem();

mnuMDel = new javax.swing.JMenuItem();

mnuMNav = new javax.swing.JMenuItem();

jMenu4 = new javax.swing.JMenu();

mnuABList = new javax.swing.JMenuItem();

mnuIBList = new javax.swing.JMenuItem();

mnuMList = new javax.swing.JMenuItem();

jMenu5 = new javax.swing.JMenu();

mnuQuit = new javax.swing.JMenuItem();

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

setTitle("Library Management System || www.ezindagi.in ||");

setBounds(new java.awt.Rectangle(200, 70, 0, 0));

jLabel1.setFont(new java.awt.Font("Monotype Corsiva", 0, 36));

jLabel1.setForeground(new java.awt.Color(153, 0, 153));

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setText("Library Application");

jLabel2.setFont(new java.awt.Font("Helvetica", 1, 30)); // NOI18N

jLabel2.setForeground(new java.awt.Color(255, 153, 153));

jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel2.setText("Library Management System");

jLabel4.setIcon(new javax.swing.ImageIcon(getClass().getResource("/e-library2.jpg"))); // NOI18N

jMenuBar1.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));

jMenu2.setText("Book");

mnuLib.setText("Book Console");

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

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

mnuLibActionPerformed(evt);

}

});

jMenu2.add(mnuLib);

mnuLibEdit.setText("Modification");

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

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

mnuLibEditActionPerformed(evt);

}

});

jMenu2.add(mnuLibEdit);

mnuIssue.setText("Book Issue");

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

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

mnuIssueActionPerformed(evt);

}

});

jMenu2.add(mnuIssue);

mnuReturn.setText("Book Return");

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

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

mnuReturnActionPerformed(evt);

}

});

jMenu2.add(mnuReturn);

jMenuBar1.add(jMenu2);

jMenu1.setText("Publisher");

mnuPub.setText("Publisher Console");

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

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

mnuPubActionPerformed(evt);

}

});

jMenu1.add(mnuPub);

mnuPMod.setText("Modification");

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

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

mnuPModActionPerformed(evt);

}

});

jMenu1.add(mnuPMod);

mnuPDel.setText("Deletion");

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

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

mnuPDelActionPerformed(evt);

}

});

jMenu1.add(mnuPDel);

mnuPNav.setText("Record Navigation");

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

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

mnuPNavActionPerformed(evt);

}

});

jMenu1.add(mnuPNav);

jMenuBar1.add(jMenu1);

jMenu3.setText("Member");

mnuMemb.setText("Member Console");

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

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

mnuMembActionPerformed(evt);

}

});

jMenu3.add(mnuMemb);

mnuMMod.setText("Modification");

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

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

mnuMModActionPerformed(evt);

}

});

jMenu3.add(mnuMMod);

mnuMDel.setText("Deletion");

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

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

mnuMDelActionPerformed(evt);

}

});

jMenu3.add(mnuMDel);

mnuMNav.setText("Navigation");

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

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

mnuMNavActionPerformed(evt);

}

});

jMenu3.add(mnuMNav);

jMenuBar1.add(jMenu3);

jMenu4.setText("Report");

mnuABList.setText("Available Book List");

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

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

mnuABListActionPerformed(evt);

}

});

jMenu4.add(mnuABList);

mnuIBList.setText("Issued Book List");

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

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

mnuIBListActionPerformed(evt);

}

});

jMenu4.add(mnuIBList);

mnuMList.setText("Member List");

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

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

mnuMListActionPerformed(evt);

}

});

jMenu4.add(mnuMList);

jMenuBar1.add(jMenu4);

jMenu5.setText("Quit");

mnuQuit.setText("Application");

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

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

mnuQuitActionPerformed(evt);

}

});

jMenu5.add(mnuQuit);

jMenuBar1.add(jMenu5);

setJMenuBar(jMenuBar1);

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

.addContainerGap(147, Short.MAX\_VALUE)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 462, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel3)

.addGap(189, 189, 189))

.addGroup(layout.createSequentialGroup()

.addGap(34, 34, 34)

.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED\_SIZE, 736, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(34, Short.MAX\_VALUE))

.addGroup(layout.createSequentialGroup()

.addGap(45, 45, 45)

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

.addComponent(jLabel1, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel2, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.PREFERRED\_SIZE, 706, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(53, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

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

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

.addContainerGap()

.addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

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

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 50, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED\_SIZE, 13, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addGroup(layout.createSequentialGroup()

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

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 274, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(28, 28, 28)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 291, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(49, 49, 49))

);

java.awt.Dimension screenSize = java.awt.Toolkit.getDefaultToolkit().getScreenSize();

setBounds((screenSize.width-820)/2, (screenSize.height-568)/2, 820, 568);

}// </editor-fold>

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

//this.setVisible(false);

new pubUI().setVisible(true); dispose();

new pubUI().getAlignmentX();

}

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

System.exit(0);

}

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

new PubEditUI().setVisible(true); dispose();

}

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

new PubDelUI().setVisible(true); dispose();

}

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

new PubNavUI().setVisible(true); dispose();

}

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

new LibUI().setVisible(true); dispose();

}

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

new MembUI().setVisible(true); dispose();

}

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

new MembEditUI().setVisible(true); dispose();

}

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

new MembDelUI().setVisible(true); dispose();

}

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

new MembNavUI().setVisible(true); dispose();

}

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

new IssueUI().setVisible(true); dispose();

}

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

new ReturnUI().setVisible(true); dispose();

}

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

new ABListUI().setVisible(true); dispose();

}

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

new IBListUI().setVisible(true); dispose();

}

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

new MListUI().setVisible(true); dispose();

}

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

new LibEditUI().setVisible(true); dispose(); // TODO add your handling code here:

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

public void run() {

new MainUI().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JMenu jMenu1;

private javax.swing.JMenu jMenu2;

private javax.swing.JMenu jMenu3;

private javax.swing.JMenu jMenu4;

private javax.swing.JMenu jMenu5;

private javax.swing.JMenuBar jMenuBar1;

private javax.swing.JSeparator jSeparator1;

private javax.swing.JMenuItem mnuABList;

private javax.swing.JMenuItem mnuIBList;

private javax.swing.JMenuItem mnuIssue;

private javax.swing.JMenuItem mnuLib;

private javax.swing.JMenuItem mnuLibEdit;

private javax.swing.JMenuItem mnuMDel;

private javax.swing.JMenuItem mnuMList;

private javax.swing.JMenuItem mnuMMod;

private javax.swing.JMenuItem mnuMNav;

private javax.swing.JMenuItem mnuMemb;

private javax.swing.JMenuItem mnuPDel;

private javax.swing.JMenuItem mnuPMod;

private javax.swing.JMenuItem mnuPNav;

private javax.swing.JMenuItem mnuPub;

private javax.swing.JMenuItem mnuQuit;

private javax.swing.JMenuItem mnuReturn;

// End of variables declaration

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**BOOK CONSOLE**

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

import java.sql.\*;

import javax.swing.JOptionPane;

import javax.swing.DefaultComboBoxModel;

public class LibUI extends javax.swing.JFrame {

/\*\* Creates new form LibUI \*/

public LibUI() {

initComponents();

}

/\*\* This method is called from within the constructor to

\* initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is

\* always regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// for table Lib

Statement stmt = null;

ResultSet rs = null;

String SQL = "SELECT \* FROM Lib";

// for table Publisher

Statement stmt1 = null;

ResultSet rs1 = null;

String SQL1 = "SELECT \* FROM publisher";

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

private void initComponents() {

cmdExit = new javax.swing.JButton();

cmdEdit = new javax.swing.JButton();

cmdSave = new javax.swing.JButton();

cmdNew = new javax.swing.JButton();

cmdClear = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

txtAcno = new javax.swing.JTextField();

txtBTitle = new javax.swing.JTextField();

txtAuth1 = new javax.swing.JTextField();

txtAuth2 = new javax.swing.JTextField();

jComboBox1 = new javax.swing.JComboBox();

txtPrice = new javax.swing.JTextField();

txtPages = new javax.swing.JTextField();

txtEdition = new javax.swing.JTextField();

txtPDate = new javax.swing.JTextField();

txtStatus = new javax.swing.JTextField();

cmdDelete = new javax.swing.JButton();

jLabel10 = new javax.swing.JLabel();

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

setTitle("Console - Library Management System || www.ezindagi.in ||");

setBounds(new java.awt.Rectangle(200, 70, 0, 0));

addWindowFocusListener(new java.awt.event.WindowFocusListener() {

public void windowGainedFocus(java.awt.event.WindowEvent evt) {

formWindowGainedFocus(evt);

}

public void windowLostFocus(java.awt.event.WindowEvent evt) {

}

});

cmdExit.setText("Exit");

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

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

cmdExitActionPerformed(evt);

}

});

cmdEdit.setText("Edit");

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

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

cmdEditActionPerformed(evt);

}

});

cmdSave.setText("Save");

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

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

cmdSaveActionPerformed(evt);

}

});

cmdNew.setText("New");

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

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

cmdNewActionPerformed(evt);

}

});

cmdClear.setText("Clear");

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

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

cmdClearActionPerformed(evt);

}

});

jLabel1.setText("Accession No.");

jLabel2.setText("Book Title");

jLabel3.setText("Authors");

jLabel4.setText("Publisher");

jLabel5.setText("Price");

jLabel6.setText("Purchase Date");

jLabel7.setText("Pages");

jLabel8.setText("Edition");

jLabel9.setText("Status");

jComboBox1.setModel(new DefaultComboBoxModel() );

cmdDelete.setText("Delete");

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

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

cmdDeleteActionPerformed(evt);

}

});

jLabel10.setFont(new java.awt.Font("Tahoma", 1, 10));

jLabel10.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel10.setText("(YYYY-MM-DD)");

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

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

.addGroup(layout.createSequentialGroup()

.addGap(3, 3, 3)

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

.addComponent(jLabel3)

.addComponent(jLabel1)

.addComponent(jLabel2))

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

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

.addComponent(txtBTitle, javax.swing.GroupLayout.PREFERRED\_SIZE, 231, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(txtAuth2, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txtAuth1, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 245, Short.MAX\_VALUE))

.addComponent(txtAcno, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(layout.createSequentialGroup()

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

.addComponent(jLabel5)

.addComponent(jLabel6)

.addComponent(jLabel4))

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

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

.addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED\_SIZE, 231, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(layout.createSequentialGroup()

.addComponent(txtPrice, javax.swing.GroupLayout.PREFERRED\_SIZE, 61, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jLabel7)

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

.addComponent(txtPages, javax.swing.GroupLayout.PREFERRED\_SIZE, 47, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(32, 32, 32)

.addComponent(jLabel8)

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

.addComponent(txtEdition, javax.swing.GroupLayout.PREFERRED\_SIZE, 57, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

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

.addComponent(jLabel10, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(txtPDate, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 78, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addComponent(jLabel9)

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

.addComponent(txtStatus, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)))))

.addContainerGap(95, Short.MAX\_VALUE))

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

.addGap(27, 27, 27)

.addComponent(cmdNew)

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

.addComponent(cmdSave)

.addGap(18, 18, 18)

.addComponent(cmdEdit)

.addGap(18, 18, 18)

.addComponent(cmdDelete)

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

.addComponent(cmdClear, javax.swing.GroupLayout.DEFAULT\_SIZE, 63, Short.MAX\_VALUE)

.addGap(18, 18, 18)

.addComponent(cmdExit)

.addGap(36, 36, 36))

);

layout.setVerticalGroup(

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

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

.addContainerGap()

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

.addComponent(jLabel1)

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

.addGap(11, 11, 11)

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

.addComponent(jLabel2)

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

.addGap(18, 18, 18)

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

.addComponent(jLabel3)

.addComponent(txtAuth1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

.addComponent(txtAuth2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 8, Short.MAX\_VALUE)

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

.addComponent(jLabel4)

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

.addGap(18, 18, 18)

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

.addComponent(jLabel5)

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

.addComponent(jLabel7)

.addComponent(jLabel8)

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

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

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

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

.addComponent(jLabel6)

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

.addComponent(jLabel9)

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

.addGap(2, 2, 2)

.addComponent(jLabel10)

.addGap(27, 27, 27)

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

.addComponent(cmdNew)

.addComponent(cmdSave)

.addComponent(cmdEdit)

.addComponent(cmdDelete)

.addComponent(cmdClear)

.addComponent(cmdExit))

.addGap(24, 24, 24))

);

java.awt.Dimension screenSize = java.awt.Toolkit.getDefaultToolkit().getScreenSize();

setBounds((screenSize.width-491)/2, (screenSize.height-355)/2, 491, 355);

}// </editor-fold>

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

new MainUI ().setVisible(true);

dispose();

}

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

this.setVisible(false);

new LibEditUI().setVisible(true);

}

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

try {

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

Connection con = (Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

stmt = con.createStatement();

rs = stmt.executeQuery(SQL);

int Acno = Integer.parseInt(txtAcno.getText().trim());

String bTitle = txtBTitle.getText();

String Auth1 = txtAuth1.getText();

String Auth2 = txtAuth2.getText();

// Creating a String object pName

String pName = (String) jComboBox1.getSelectedItem();

// Extract the first 4 characters as publisher number into a variable

String PubNo = String.valueOf(pName.substring(0, 3).trim());

int pno = Integer.parseInt(PubNo);

jLabel10.setText(""+pno);

float Price = Float.parseFloat(txtPrice.getText());

int pages = Integer.parseInt(txtPages.getText());

int edition = Integer.parseInt(txtEdition.getText());

String Pdate = txtPDate.getText();

char BStatus = 'Y';

int code = JOptionPane.showConfirmDialog(this, "Are you sure to add?", "Confirmation Dialog Box", JOptionPane.YES\_NO\_CANCEL\_OPTION, JOptionPane.INFORMATION\_MESSAGE);

if (code == JOptionPane.YES\_OPTION) {

String strSQL = "INSERT INTO Lib(acc\_no, btitle, author1, author2, pub\_id, price, pdate, pages, edition, status) VALUES ("+(Acno)+", '"+(bTitle)+"', '"+(Auth1)+"', '"+(Auth2)+"', "+(pno)+", "+(Price)+", '"+(Pdate)+"', "+(pages)+", "+(edition)+", '"+(BStatus)+"')";

int rowsEffected = stmt.executeUpdate(strSQL);

JOptionPane.showMessageDialog(this, "Record added successfully into Lib table");

}

cmdSave.setEnabled(false);

} catch (Exception e) {

JOptionPane.showMessageDialog(this, e.getMessage());

}

}

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

// Activate the Save button when New button pressed

cmdSave.setEnabled(true);

DefaultComboBoxModel cModel = (DefaultComboBoxModel) jComboBox1.getModel();

cModel.removeAllElements();

txtStatus.setEditable(false);

// Activate the Save button when New button clicked

cmdSave.setEnabled(true);

try {

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

Connection con = (Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

stmt = con.createStatement(); // Connection string for ResultSet - rs.

rs = stmt.executeQuery(SQL);

int acno=0, ACNO = 0;

while (rs.next()) {

ACNO = rs.getInt("acc\_no");

}

ACNO++;

acno = ACNO;

txtAcno.setText(Integer.toString(acno));

stmt1 = con.createStatement(); // To list publishers in JComboBox1 component

rs1 = stmt1.executeQuery(SQL1);

while (rs1.next()) {

String pubno = rs1.getString("pub\_id");

String pubName = rs1.getString("pub\_name");

// To make the publisher no. as 4 digit because we will extract 4 digit from list value

// in mouse click event

txtStatus.setText("Y"); // Because it is a new book, when it will be issue,

// it's status will be N.

if (pubno.length() < 4)

{

int x = pubno.length();

int nl = 4 - x;

while (nl > 0){

pubno = pubno + " ";

nl--;

}

}

cModel.addElement(pubno + "- " + pubName);

}

} catch (Exception e) {

JOptionPane.showMessageDialog(this,e.getMessage());

e.printStackTrace();

}

}

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

DefaultComboBoxModel cModel = (DefaultComboBoxModel) jComboBox1.getModel();

txtAcno.setText("");

txtBTitle.setText("");

txtAuth1.setText("");

txtAuth2.setText("");

cModel.removeAllElements();

txtPrice.setText("");

txtPages.setText("");

txtEdition.setText("");

txtPDate.setText("");

txtStatus.setText("");

cmdSave.setEnabled(false);

}

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

txtAcno.setEditable(false);

// Deactivate the Save button when form loads

cmdSave.setEnabled(false);

}

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

this.setVisible(false);

new LibDelUI().setVisible(true);

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

public void run() {

new LibUI().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton cmdClear;

private javax.swing.JButton cmdDelete;

private javax.swing.JButton cmdEdit;

private javax.swing.JButton cmdExit;

private javax.swing.JButton cmdNew;

private javax.swing.JButton cmdSave;

private javax.swing.JComboBox jComboBox1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JTextField txtAcno;

private javax.swing.JTextField txtAuth1;

private javax.swing.JTextField txtAuth2;

private javax.swing.JTextField txtBTitle;

private javax.swing.JTextField txtEdition;

private javax.swing.JTextField txtPDate;

private javax.swing.JTextField txtPages;

private javax.swing.JTextField txtPrice;

private javax.swing.JTextField txtStatus;

// End of variables declaration

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* **ISSUE BOOK** \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

import java.sql.\*;

import javax.swing.JOptionPane;

import javax.swing.DefaultListModel;

public class IssueUI extends javax.swing.JFrame {

/\*\* Creates new form IssueUI \*/

public IssueUI() {

initComponents();

}

/\*\* This method is called from within the constructor to

\* initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is

\* always regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

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

private void initComponents() {

jLabel6 = new javax.swing.JLabel();

jScrollPane1 = new javax.swing.JScrollPane();

jList1 = new javax.swing.JList();

jLabel11 = new javax.swing.JLabel();

jLabel1 = new javax.swing.JLabel();

txtMNo = new javax.swing.JTextField();

txtMName = new javax.swing.JTextField();

jLabel2 = new javax.swing.JLabel();

txtMStatus = new javax.swing.JTextField();

jLabel5 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

txtMDate = new javax.swing.JTextField();

jSeparator1 = new javax.swing.JSeparator();

jLabel3 = new javax.swing.JLabel();

txtAcno = new javax.swing.JTextField();

jLabel4 = new javax.swing.JLabel();

txtBTitle = new javax.swing.JTextField();

jLabel12 = new javax.swing.JLabel();

txtPID = new javax.swing.JTextField();

jLabel8 = new javax.swing.JLabel();

txtAuth1 = new javax.swing.JTextField();

jLabel9 = new javax.swing.JLabel();

txtStatus = new javax.swing.JTextField();

cmdExit = new javax.swing.JButton();

jScrollPane2 = new javax.swing.JScrollPane();

jList2 = new javax.swing.JList();

cmdIssue = new javax.swing.JButton();

jLabel13 = new javax.swing.JLabel();

txtIDate = new javax.swing.JTextField();

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

setTitle("Book issue form - Library Management System || www.ezindagi.in ||");

setBounds(new java.awt.Rectangle(200, 70, 0, 0));

addWindowFocusListener(new java.awt.event.WindowFocusListener() {

public void windowGainedFocus(java.awt.event.WindowEvent evt) {

formWindowGainedFocus(evt);

}

public void windowLostFocus(java.awt.event.WindowEvent evt) {

}

});

jLabel6.setFont(new java.awt.Font("Helvetica", 1, 12));

jLabel6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel6.setText("Select a Member");

jList1.setModel(new DefaultListModel());

jList1.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jList1MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jList1);

jLabel11.setFont(new java.awt.Font("Helvetica", 1, 12));

jLabel11.setText("Select a Book");

jLabel1.setFont(new java.awt.Font("Arial", 1, 12));

jLabel1.setText("Member No.");

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

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

txtMNameActionPerformed(evt);

}

});

txtMName.addPropertyChangeListener(new java.beans.PropertyChangeListener() {

public void propertyChange(java.beans.PropertyChangeEvent evt) {

txtMNamePropertyChange(evt);

}

});

txtMName.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

txtMNameKeyPressed(evt);

}

});

jLabel2.setFont(new java.awt.Font("Arial", 1, 12));

jLabel2.setText("Name");

txtMStatus.setFont(new java.awt.Font("Arial", 1, 10));

jLabel5.setFont(new java.awt.Font("Arial", 1, 12));

jLabel5.setText("Status");

jLabel7.setFont(new java.awt.Font("Arial", 1, 12));

jLabel7.setText("Membership Date");

txtMDate.setFont(new java.awt.Font("Arial", 1, 10));

jLabel3.setText("Accession No.");

jLabel4.setText("Book Title");

jLabel12.setText("Pub ID.");

jLabel8.setText("Authors");

jLabel9.setText("Status");

cmdExit.setText("Exit");

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

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

cmdExitActionPerformed(evt);

}

});

jList2.setModel(new DefaultListModel());

jList2.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jList2MouseClicked(evt);

}

});

jScrollPane2.setViewportView(jList2);

cmdIssue.setText("Issue");

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

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

cmdIssueActionPerformed(evt);

}

});

jLabel13.setText("Enter Issue Date :");

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

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

.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED\_SIZE, 605, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(layout.createSequentialGroup()

.addGap(10, 10, 10)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 138, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addGroup(layout.createSequentialGroup()

.addGap(36, 36, 36)

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

.addComponent(jLabel1)

.addComponent(jLabel2)

.addComponent(jLabel5)))

.addGroup(layout.createSequentialGroup()

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

.addComponent(jLabel7)))

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

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

.addComponent(txtMDate, javax.swing.GroupLayout.PREFERRED\_SIZE, 100, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtMNo, javax.swing.GroupLayout.PREFERRED\_SIZE, 47, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtMStatus, javax.swing.GroupLayout.PREFERRED\_SIZE, 31, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtMName, javax.swing.GroupLayout.PREFERRED\_SIZE, 178, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(layout.createSequentialGroup()

.addGap(23, 23, 23)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 104, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(32, 32, 32)

.addComponent(jLabel11))

.addGroup(layout.createSequentialGroup()

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

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

.addGap(8, 8, 8)

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 138, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(28, 28, 28)

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

.addComponent(jLabel8)

.addComponent(jLabel4)

.addComponent(jLabel3)

.addComponent(jLabel12)))

.addComponent(jLabel13))

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

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

.addComponent(txtBTitle, javax.swing.GroupLayout.PREFERRED\_SIZE, 177, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtAcno, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtAuth1, javax.swing.GroupLayout.PREFERRED\_SIZE, 240, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addGroup(layout.createSequentialGroup()

.addComponent(cmdIssue)

.addGap(91, 91, 91)

.addComponent(cmdExit))

.addGroup(layout.createSequentialGroup()

.addComponent(txtPID, javax.swing.GroupLayout.PREFERRED\_SIZE, 73, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel9)

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

.addComponent(txtStatus, javax.swing.GroupLayout.PREFERRED\_SIZE, 24, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addComponent(txtIDate, javax.swing.GroupLayout.PREFERRED\_SIZE, 112, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addContainerGap())

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

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

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel6)

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 151, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(32, 32, 32)

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

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

.addComponent(jLabel1))

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

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

.addComponent(jLabel2)

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

.addGap(10, 10, 10)

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

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

.addComponent(jLabel7))

.addGap(18, 18, 18)

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

.addComponent(jLabel5)

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

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

.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED\_SIZE, 10, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addGroup(layout.createSequentialGroup()

.addGap(2, 2, 2)

.addComponent(jLabel11)

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

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

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

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

.addComponent(jLabel3)

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

.addGap(11, 11, 11)

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

.addComponent(jLabel4)

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

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

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

.addComponent(jLabel8)

.addComponent(txtAuth1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jLabel12)

.addComponent(jLabel9)

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

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

.addGap(12, 12, 12)

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

.addComponent(jLabel13)

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

.addGap(18, 18, 18)

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

.addComponent(cmdExit)

.addComponent(cmdIssue))

.addGap(23, 23, 23))

);

java.awt.Dimension screenSize = java.awt.Toolkit.getDefaultToolkit().getScreenSize();

setBounds((screenSize.width-641)/2, (screenSize.height-488)/2, 641, 488);

}// </editor-fold>

Statement stmt = null;

ResultSet rs = null;

char st1 = 'N';

char ms = 'Y';

String SQL = "SELECT \* FROM Member WHERE mem\_issue = '" + st1 + "' and mem\_status ='" + ms + "'";

Statement stmt1 = null;

ResultSet rs1 = null;

char st = 'Y'; // Lib table

String SQL1 = "SELECT \* FROM lib WHERE status = '" + st + "';";

Statement stmt2 = null;

ResultSet rs2 = null;

String SQL2 = "SELECT \* FROM missue";

Statement stmt3 = null;

ResultSet rs3 = null;

String SQL3 = "SELECT \* FROM tissue";

private void jList1MouseClicked(java.awt.event.MouseEvent evt) {

// getSelectedValue() method extracts the current cursor location value into a variable

String MembNo = (String) jList1.getSelectedValue();

// Extract the first 4 characters as Member No into a variable

String Mno =MembNo.trim().substring(0, 3);

String query = "SELECT \* FROM member WHERE memb\_no = " + (Mno) + ";";

try {

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

Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

// Create SQL statement and execute query.

stmt = con.createStatement();

rs = stmt.executeQuery(query);

if (rs.next()) {

String MName = rs.getString("memb\_name");

String MDate = rs.getString("mdate");

String MStatus = rs.getString("mem\_status");

// Displaying the contents in respective text boxes.

txtMNo.setText(Mno);

txtMName.setText(MName);

txtMDate.setText(MDate);

txtMStatus.setText(MStatus);

} else {

JOptionPane.showMessageDialog(null, "Record does not found in Member table");

}

} catch (Exception e) {

JOptionPane.showMessageDialog(this, e.getMessage());

}

}

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

txtMNo.setEditable(false);

txtMName.setEditable(false);

txtMDate.setEditable(false);

txtMStatus.setEditable(false);

txtAcno.setEditable(false);

txtBTitle.setEditable(false);

txtAuth1.setEditable(false);

txtPID.setEditable(false);

txtStatus.setEditable(false);

// dModel to perform DefaultListModel for Member

// method operations

DefaultListModel dModel = (DefaultListModel) jList1.getModel();

// Method to add elements into jList1 control for member

dModel.clear();

try {

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

Connection con = (Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

// Listing Members

stmt = con.createStatement();

rs = stmt.executeQuery(SQL);

while (rs.next()) {

String Mno = rs.getString("memb\_no");

String MName = rs.getString("memb\_name");

// To make the Member no. as 4 digit because we will extract 4 digit from list value

// in mouse click event.

if (Mno.length() < 4)

{

int x = Mno.length();

int nl = 4 - x;

while (nl > 0){

Mno = Mno + " ";

nl--;

}

}

dModel.addElement(Mno + "- " + MName);

}

jList1.setModel(dModel);

// cModel to perform DefaultListModel for Library

// method operations

DefaultListModel cModel = (DefaultListModel) jList2.getModel();

// Method to add elements into jList1 control for Library

cModel.clear();

// Listing books

stmt1 = con.createStatement();

rs1 = stmt1.executeQuery(SQL1);

while (rs1.next()) {

String Ano = rs1.getString("acc\_no");

String BTitle = rs1.getString("btitle");

// To make the Accession no. as 4 digit because we will extract 4 digit from list value

// in mouse click event.

if (Ano.length() < 4)

{

int x = Ano.length();

int nl = 4 - x;

while (nl > 0){

Ano = Ano + " ";

nl--;

}

}

cModel.addElement(Ano + "- " + BTitle);

}

jList2.setModel(cModel);

} catch (Exception e) {

JOptionPane.showMessageDialog(this,e.getMessage());

e.printStackTrace();

}

}

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

}

private void txtMNamePropertyChange(java.beans.PropertyChangeEvent evt) {

}

private void txtMNameKeyPressed(java.awt.event.KeyEvent evt) {

}

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

new MainUI ().setVisible(true);

dispose();

}

private void jList2MouseClicked(java.awt.event.MouseEvent evt) {

// getSelectedValue() method extracts the current cursor location value into a variable

String MBook = (String) jList2.getSelectedValue();

// Extract the first 4 characters as Accession number into a variable

String Acno =MBook.trim().substring(0, 3);

String query = "SELECT \* FROM Lib WHERE acc\_no = " + Acno + ";";

try {

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

Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

// Create SQL statement and execute query.

stmt1 = con.createStatement();

rs1 = stmt1.executeQuery(query);

if (rs1.next()) {

String bTitle = rs1.getString("btitle");

String Auth1 = rs1.getString("author1");

String PID = rs1.getString("pub\_id");

String PStatus = rs1.getString("status");

// Displaying the contents in respective text boxes.

txtAcno.setText(Acno);

txtBTitle.setText(bTitle);

txtAuth1.setText(Auth1);

txtPID.setText(PID);

txtStatus.setText(PStatus);

} else {

JOptionPane.showMessageDialog(null, "Record does not found in Lib dent table");

}

} catch (Exception e) {

JOptionPane.showMessageDialog(this, e.getMessage());

}

}

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

try {

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

Connection con = (Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

// Missue table

stmt2 = con.createStatement();

rs2 = stmt.executeQuery(SQL);

// Tissue table

stmt3 = con.createStatement();

rs3 = stmt.executeQuery(SQL);

int Acno = Integer.parseInt(txtAcno.getText().trim());

int Mno = Integer.parseInt(txtMNo.getText().trim());

String idt = txtIDate.getText();

String rdt = idt; // Temporarily assigned for testing purpose

int code = JOptionPane.showConfirmDialog(this, "Are you sure to add?", "Confirmation Dialog Box", JOptionPane.YES\_NO\_CANCEL\_OPTION, JOptionPane.INFORMATION\_MESSAGE);

if (code == JOptionPane.YES\_OPTION) {

// Record updated into Missue and Tissue tables

String strSQL = "INSERT INTO missue(acc\_no, memb\_no, idate, rdate) VALUES ("+(Acno)+", "+(Mno)+", '"+(idt)+"', '"+(rdt)+"')";

String strSQL1 = "INSERT INTO tissue(acc\_no, memb\_no, idate, rdate) VALUES ("+(Acno)+", "+(Mno)+", '"+(idt)+"', '"+(rdt)+"')";

stmt2.executeUpdate(strSQL);

stmt3.executeUpdate(strSQL1);

// Change the status as library book issued

char sta = 'N'; // Lib table

String strSQLa = "Update Lib set status ='"+(sta)+"' where acc\_no = " + (Acno);

stmt1.executeUpdate(strSQLa);

// Change the status as Member has a book

char stb = 'Y'; // Member table

String strSQLb = "Update Member set mem\_issue ='"+(stb)+"' where memb\_no = " + (Mno);

stmt.executeUpdate(strSQLb);

JOptionPane.showMessageDialog(this, "Record update successfully");

}

} catch (Exception e) {

JOptionPane.showMessageDialog(this, e.getMessage());

}

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

public void run() {

new IssueUI().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton cmdExit;

private javax.swing.JButton cmdIssue;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JList jList1;

private javax.swing.JList jList2;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JSeparator jSeparator1;

private javax.swing.JTextField txtAcno;

private javax.swing.JTextField txtAuth1;

private javax.swing.JTextField txtBTitle;

private javax.swing.JTextField txtIDate;

private javax.swing.JTextField txtMDate;

private javax.swing.JTextField txtMName;

private javax.swing.JTextField txtMNo;

private javax.swing.JTextField txtMStatus;

private javax.swing.JTextField txtPID;

private javax.swing.JTextField txtStatus;

// End of variables declaration

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* **RETURN BOOK** \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

import java.sql.\*;

import javax.swing.JOptionPane;

import javax.swing.DefaultListModel;

public class ReturnUI extends javax.swing.JFrame {

/\*\* Creates new form ReturnUI \*/

public ReturnUI() {

initComponents();

}

/\*\* This method is called from within the constructor to

\* initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is

\* always regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

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

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

txtMName = new javax.swing.JTextField();

txtMNo = new javax.swing.JTextField();

jLabel2 = new javax.swing.JLabel();

txtMStatus = new javax.swing.JTextField();

jLabel5 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

txtMDate = new javax.swing.JTextField();

jScrollPane1 = new javax.swing.JScrollPane();

jList1 = new javax.swing.JList();

jLabel6 = new javax.swing.JLabel();

cmdExit = new javax.swing.JButton();

jLabel3 = new javax.swing.JLabel();

jSeparator1 = new javax.swing.JSeparator();

txtAcno = new javax.swing.JTextField();

jLabel4 = new javax.swing.JLabel();

txtBTitle = new javax.swing.JTextField();

jLabel8 = new javax.swing.JLabel();

txtAuth = new javax.swing.JTextField();

cmdReturn = new javax.swing.JButton();

jLabel9 = new javax.swing.JLabel();

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

setTitle("book return - Library Management System || www.ezindagi.in ||");

setBounds(new java.awt.Rectangle(200, 70, 0, 0));

addWindowFocusListener(new java.awt.event.WindowFocusListener() {

public void windowGainedFocus(java.awt.event.WindowEvent evt) {

formWindowGainedFocus(evt);

}

public void windowLostFocus(java.awt.event.WindowEvent evt) {

}

});

jLabel1.setFont(new java.awt.Font("Arial", 1, 12));

jLabel1.setText("Member No.");

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

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

txtMNameActionPerformed(evt);

}

});

txtMName.addPropertyChangeListener(new java.beans.PropertyChangeListener() {

public void propertyChange(java.beans.PropertyChangeEvent evt) {

txtMNamePropertyChange(evt);

}

});

txtMName.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

txtMNameKeyPressed(evt);

}

});

jLabel2.setFont(new java.awt.Font("Arial", 1, 12));

jLabel2.setText("Name");

txtMStatus.setFont(new java.awt.Font("Arial", 1, 10));

jLabel5.setFont(new java.awt.Font("Arial", 1, 12));

jLabel5.setText("Status");

jLabel7.setFont(new java.awt.Font("Arial", 1, 12));

jLabel7.setText("Membership Date");

txtMDate.setFont(new java.awt.Font("Arial", 1, 10));

jList1.setModel(new DefaultListModel());

jList1.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jList1MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jList1);

jLabel6.setFont(new java.awt.Font("Helvetica", 1, 12));

jLabel6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel6.setText("Select a Member");

cmdExit.setText("Exit");

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

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

cmdExitActionPerformed(evt);

}

});

jLabel3.setText("Accession No. ");

jLabel4.setText("Title");

jLabel8.setText("Author");

cmdReturn.setText("Return");

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

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

cmdReturnActionPerformed(evt);

}

});

jLabel9.setFont(new java.awt.Font("Arial", 1, 12));

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

.addGap(26, 26, 26)

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

.addGroup(layout.createSequentialGroup()

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 138, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addGroup(layout.createSequentialGroup()

.addGap(36, 36, 36)

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

.addComponent(jLabel1)

.addComponent(jLabel2)

.addComponent(jLabel5)))

.addGroup(layout.createSequentialGroup()

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

.addComponent(jLabel7)))

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

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

.addComponent(txtMDate, javax.swing.GroupLayout.PREFERRED\_SIZE, 100, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtMNo, javax.swing.GroupLayout.PREFERRED\_SIZE, 47, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtMStatus, javax.swing.GroupLayout.PREFERRED\_SIZE, 31, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtMName, javax.swing.GroupLayout.PREFERRED\_SIZE, 178, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(layout.createSequentialGroup()

.addGap(13, 13, 13)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 104, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(23, Short.MAX\_VALUE))

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jSeparator1, javax.swing.GroupLayout.DEFAULT\_SIZE, 459, Short.MAX\_VALUE)

.addContainerGap())

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

.addContainerGap()

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

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

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

.addComponent(jLabel8, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel3, javax.swing.GroupLayout.Alignment.TRAILING))

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

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

.addGroup(layout.createSequentialGroup()

.addComponent(txtAuth, javax.swing.GroupLayout.PREFERRED\_SIZE, 220, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED\_SIZE, 103, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addComponent(txtAcno, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel4)

.addGap(18, 18, 18)

.addComponent(txtBTitle, javax.swing.GroupLayout.PREFERRED\_SIZE, 204, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 20, Short.MAX\_VALUE))

.addGroup(layout.createSequentialGroup()

.addComponent(cmdReturn)

.addGap(81, 81, 81)

.addComponent(cmdExit)))

.addGap(34, 34, 34))

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

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

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel6)

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 151, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(32, 32, 32)

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

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

.addComponent(jLabel1))

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

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

.addComponent(jLabel2)

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

.addGap(10, 10, 10)

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

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

.addComponent(jLabel7))

.addGap(18, 18, 18)

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

.addComponent(jLabel5)

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

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

.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

.addComponent(jLabel3)

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

.addComponent(jLabel4)

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

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

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

.addComponent(jLabel8)

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

.addComponent(jLabel9))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 14, Short.MAX\_VALUE)

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

.addComponent(cmdReturn)

.addComponent(cmdExit))

.addContainerGap())

);

java.awt.Dimension screenSize = java.awt.Toolkit.getDefaultToolkit().getScreenSize();

setBounds((screenSize.width-495)/2, (screenSize.height-340)/2, 495, 340);

}// </editor-fold>

Statement stmt = null;

ResultSet rs = null;

char st1 = 'Y';

String SQL = "SELECT \* FROM Member WHERE mem\_issue = '" + st1 + "';";

Statement stmt1 = null;

ResultSet rs1 = null;

char st = 'Y'; // Lib table

String SQL1 = "SELECT \* FROM Lib WHERE status = '" + st + "';";

Statement stmt2 = null;

ResultSet rs2 = null;

String SQL2 = "SELECT \* FROM Missue";

Statement stmt3 = null;

ResultSet rs3 = null;

String SQL3 = "SELECT \* FROM Tissue";

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

}

private void txtMNamePropertyChange(java.beans.PropertyChangeEvent evt) {

}

private void txtMNameKeyPressed(java.awt.event.KeyEvent evt) {

}

private void jList1MouseClicked(java.awt.event.MouseEvent evt) {

// getSelectedValue() method extracts the current cursor location value into a variable

String MembNo = (String) jList1.getSelectedValue();

// Extract the first 4 characters as Member No into a variable

String Mno =MembNo.trim().substring(0, 3);

String query = "SELECT \* FROM Member WHERE memb\_no = " + (Mno) + ";";

try {

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

Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

// Create SQL statement and execute query.

stmt = con.createStatement();

rs = stmt.executeQuery(query);

if (rs.next()) {

String MName = rs.getString("memb\_name");

String MDate = rs.getString("mdate");

String MStatus = rs.getString("mem\_status");

// Displaying the contents in respective text boxes.

txtMNo.setText(Mno);

txtMName.setText(MName);

txtMDate.setText(MDate);

txtMStatus.setText(MStatus);

} else {

JOptionPane.showMessageDialog(null, "Record does not found in Member table");

}

// Extrating the Acc\_no from Tissue table to find book details in Lib table

String query1 = "SELECT \* FROM Tissue WHERE memb\_no = " + (Mno) + ";";

// Create SQL statement and execute query.

stmt3 = con.createStatement();

rs3 = stmt3.executeQuery(query1);

int ACno = 0;

if (rs3.next()) {

ACno = rs3.getInt("acc\_no");

txtAcno.setText(String.valueOf(ACno));

}

// Extrating the Library details for Acc\_no from Lib table

String query2 = "SELECT \* FROM Lib WHERE acc\_no = " + (ACno) + ";";

// Create SQL statement and execute query.

stmt1 = con.createStatement();

rs1 = stmt1.executeQuery(query2);

String BTitle, Auth;

if (rs1.next()) {

BTitle = rs1.getString("btitle");

Auth = rs1.getString("author1");

txtBTitle.setText(BTitle);

txtAuth.setText(Auth);

jLabel9.setText("Issued");

}

} catch (Exception e) {

JOptionPane.showMessageDialog(this, e.getMessage());

}

}

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

txtMNo.setEditable(false);

txtMName.setEditable(false);

txtMDate.setEditable(false);

txtMStatus.setEditable(false);

txtAcno.setEditable(false);

txtBTitle.setEditable(false);

txtAuth.setEditable(false);

// dModel to perform DefaultListModel for Member

// method operations

DefaultListModel dModel = (DefaultListModel) jList1.getModel();

// Method to add elements into jList1 control for member

dModel.clear();

try {

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

Connection con = (Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

// Listing Members

stmt = con.createStatement();

rs = stmt.executeQuery(SQL);

while (rs.next()) {

String Mno = rs.getString("memb\_no");

String MName = rs.getString("memb\_name");

// To make the Member no. as 4 digit because we will extract 4 digit from list value

// in mouse click event.

if (Mno.length() < 4)

{

int x = Mno.length();

int nl = 4 - x;

while (nl > 0){

Mno = Mno + " ";

nl--;

}

}

dModel.addElement(Mno + "- " + MName);

}

jList1.setModel(dModel);

} catch (Exception e) {

JOptionPane.showMessageDialog(this,e.getMessage());

e.printStackTrace();

}

}

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

new MainUI ().setVisible(true);

dispose();

}

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

try {

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

Connection con = (Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

// Missue table

int Mno = 0, Acno = 0;

Mno = Integer.parseInt(txtMNo.getText().trim());

Acno = Integer.parseInt(txtAcno.getText().trim());

// Steps to confirm return

int opt = JOptionPane.showConfirmDialog(null, "Are you sure to return this book ?");

if (opt == JOptionPane.YES\_OPTION)

{

String strSQLr = "Delete from Tissue where memb\_no = " + (Mno);

stmt3.executeUpdate(strSQLr);

// Change the status as library book issued

char sta = 'Y'; // Lib table

String strSQLa = "Update Lib set status ='"+(sta)+"' where acc\_no = " + (Acno);

stmt1.executeUpdate(strSQLa);

// Change the status as Member has a book

char stb = 'N'; // Member table

String strSQLb = "Update Member set mem\_issue ='"+(stb)+"' where memb\_no = " + (Mno);

stmt.executeUpdate(strSQLb);

JOptionPane.showMessageDialog(this, "Thanks for returning book");

}

} catch (Exception e) {

JOptionPane.showMessageDialog(this, e.getMessage());

}

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

public void run() {

new ReturnUI().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton cmdExit;

private javax.swing.JButton cmdReturn;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JList jList1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JSeparator jSeparator1;

private javax.swing.JTextField txtAcno;

private javax.swing.JTextField txtAuth;

private javax.swing.JTextField txtBTitle;

private javax.swing.JTextField txtMDate;

private javax.swing.JTextField txtMName;

private javax.swing.JTextField txtMNo;

private javax.swing.JTextField txtMStatus;

// End of variables declaration

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* **PUBLISHER NAVIGATION** \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

import java.sql.\*;

import javax.swing.JOptionPane;

public class PubNavUI extends javax.swing.JFrame {

/\*\* Creates new form PubNavUI \*/

public PubNavUI() {

initComponents();

}

/\*\* This method is called from within the constructor to

\* initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is

\* always regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

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

private void initComponents() {

jLabel5 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

txtPAdd = new javax.swing.JTextField();

txtPName = new javax.swing.JTextField();

jLabel2 = new javax.swing.JLabel();

txtPh1 = new javax.swing.JTextField();

jLabel3 = new javax.swing.JLabel();

txtPh2 = new javax.swing.JTextField();

txtPno = new javax.swing.JTextField();

jLabel6 = new javax.swing.JLabel();

jSeparator1 = new javax.swing.JSeparator();

jLabel1 = new javax.swing.JLabel();

jSeparator2 = new javax.swing.JSeparator();

cmdFirst = new javax.swing.JButton();

cmdNext = new javax.swing.JButton();

cmdExit = new javax.swing.JButton();

cmdPrev = new javax.swing.JButton();

cmdLast = new javax.swing.JButton();

jLabel7 = new javax.swing.JLabel();

txtStatus = new javax.swing.JTextField();

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

setTitle("Publisher Record Navigation - Library Management System || www.ezindagi.in ||");

setBounds(new java.awt.Rectangle(200, 70, 0, 0));

addWindowFocusListener(new java.awt.event.WindowFocusListener() {

public void windowGainedFocus(java.awt.event.WindowEvent evt) {

formWindowGainedFocus(evt);

}

public void windowLostFocus(java.awt.event.WindowEvent evt) {

}

});

jLabel5.setFont(new java.awt.Font("Arial", 1, 12));

jLabel5.setText("Pbone/Mobile");

jLabel4.setFont(new java.awt.Font("Arial", 1, 12));

jLabel4.setText("Phone/Mobile");

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

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

txtPNameActionPerformed(evt);

}

});

txtPName.addPropertyChangeListener(new java.beans.PropertyChangeListener() {

public void propertyChange(java.beans.PropertyChangeEvent evt) {

txtPNamePropertyChange(evt);

}

});

txtPName.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

txtPNameKeyPressed(evt);

}

});

jLabel2.setFont(new java.awt.Font("Arial", 1, 12));

jLabel2.setText("Name");

jLabel3.setFont(new java.awt.Font("Arial", 1, 12));

jLabel3.setText("Address");

jLabel6.setFont(new java.awt.Font("VAGRounded BT", 1, 14));

jLabel6.setForeground(new java.awt.Color(0, 153, 153));

jLabel6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel6.setText("PUBLISHER INFORMATION");

jLabel1.setFont(new java.awt.Font("Arial", 1, 12));

jLabel1.setText("Publisher No./ID");

cmdFirst.setText("First");

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

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

cmdFirstActionPerformed(evt);

}

});

cmdNext.setText("Next");

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

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

cmdNextActionPerformed(evt);

}

});

cmdExit.setText("Exit");

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

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

cmdExitActionPerformed(evt);

}

});

cmdPrev.setText("Previous");

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

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

cmdPrevActionPerformed(evt);

}

});

cmdLast.setText("Last");

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

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

cmdLastActionPerformed(evt);

}

});

jLabel7.setFont(new java.awt.Font("Arial", 1, 12));

jLabel7.setText("Status");

txtStatus.setFont(new java.awt.Font("Arial", 1, 12));

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

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

.addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT\_SIZE, 390, Short.MAX\_VALUE)

.addContainerGap())

.addComponent(jSeparator1, javax.swing.GroupLayout.DEFAULT\_SIZE, 400, Short.MAX\_VALUE)

.addComponent(jSeparator2, javax.swing.GroupLayout.DEFAULT\_SIZE, 400, Short.MAX\_VALUE)

.addGroup(layout.createSequentialGroup()

.addGap(19, 19, 19)

.addComponent(cmdFirst)

.addGap(18, 18, 18)

.addComponent(cmdNext)

.addGap(20, 20, 20)

.addComponent(cmdPrev)

.addGap(18, 18, 18)

.addComponent(cmdLast)

.addGap(18, 18, 18)

.addComponent(cmdExit)

.addContainerGap(22, Short.MAX\_VALUE))

.addGroup(layout.createSequentialGroup()

.addGap(22, 22, 22)

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

.addComponent(jLabel7)

.addComponent(jLabel5)

.addComponent(jLabel4)

.addComponent(jLabel1)

.addComponent(jLabel2)

.addComponent(jLabel3))

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

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

.addComponent(txtPno, javax.swing.GroupLayout.PREFERRED\_SIZE, 47, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtPAdd, javax.swing.GroupLayout.DEFAULT\_SIZE, 269, Short.MAX\_VALUE)

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

.addComponent(txtPh2, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txtPh1, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 113, Short.MAX\_VALUE))

.addComponent(txtPName, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtStatus, javax.swing.GroupLayout.PREFERRED\_SIZE, 27, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap())

);

layout.setVerticalGroup(

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

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

.addComponent(jLabel6)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(21, 21, 21)

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

.addComponent(jLabel1)

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

.addGap(18, 18, 18)

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

.addComponent(jLabel2)

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

.addGap(18, 18, 18)

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

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

.addComponent(jLabel3))

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

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

.addComponent(jLabel4)

.addComponent(txtPh1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

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

.addComponent(jLabel5)

.addComponent(txtPh2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addComponent(jLabel7)

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

.addGap(20, 20, 20)

.addComponent(jSeparator2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

.addComponent(cmdFirst)

.addComponent(cmdLast)

.addComponent(cmdNext)

.addComponent(cmdPrev)

.addComponent(cmdExit))

.addGap(35, 35, 35))

);

java.awt.Dimension screenSize = java.awt.Toolkit.getDefaultToolkit().getScreenSize();

setBounds((screenSize.width-416)/2, (screenSize.height-374)/2, 416, 374);

}// </editor-fold>

// Global variables

Statement stmt = null;

ResultSet rs = null;

String SQL = "SELECT \* FROM publisher";

public void disable\_textfields() {

txtPno.setEditable(false);

txtPName.setEditable(false);

txtPAdd.setEditable(false);

txtPh1.setEditable(false);

txtPh2.setEditable(false);

txtStatus.setEditable(false);

}

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

}

private void txtPNamePropertyChange(java.beans.PropertyChangeEvent evt) {

}

private void txtPNameKeyPressed(java.awt.event.KeyEvent evt) {

}

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

try {

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

Connection con = (Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

if (rs.first()) {

String PubN = rs.getString("pub\_id");

String PubName = rs.getString("pub\_name");

String PubAdd = rs.getString("pub\_address");

String PubPh1 = rs.getString("pub\_phone1");

String PubPh2 = rs.getString("pub\_phone2");

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

// Displaying the contents in respective text boxes.

txtPno.setText(PubN);

txtPName.setText(PubName);

txtPAdd.setText(PubAdd);

txtPh1.setText(PubPh1);

txtPh2.setText(PubPh2);

txtStatus.setText(PStatus);

cmdFirst.setEnabled(false);

cmdNext.setEnabled(true);

cmdPrev.setEnabled(false);

cmdLast.setEnabled(true);

} else {

cmdFirst.setEnabled(false);

cmdNext.setEnabled(false);

cmdPrev.setEnabled(false);

cmdLast.setEnabled(false);

JOptionPane.showMessageDialog(this, "Rhere is no record in table", "Student",0);

}

} catch (Exception e) {

JOptionPane.showMessageDialog(this, e.getMessage());

}

}

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

try {

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

Connection con = (Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

if (rs.next()) {

String PubN = rs.getString("pub\_id");

String PubName = rs.getString("pub\_name");

String PubAdd = rs.getString("pub\_address");

String PubPh1 = rs.getString("pub\_phone1");

String PubPh2 = rs.getString("pub\_phone2");

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

// Displaying the contents in respective text boxes.

txtPno.setText(PubN);

txtPName.setText(PubName);

txtPAdd.setText(PubAdd);

txtPh1.setText(PubPh1);

txtPh2.setText(PubPh2);

txtStatus.setText(PStatus);

cmdFirst.setEnabled(true);

cmdNext.setEnabled(true);

cmdPrev.setEnabled(true);

cmdLast.setEnabled(true);

} else {

cmdNext.setEnabled(false);

JOptionPane.showMessageDialog(this, "You are at last record position", "Student",0);

}

} catch (Exception e) {

JOptionPane.showMessageDialog(this, e.getMessage());

}

}

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

new MainUI ().setVisible(true);

dispose();

}

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

try {

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

Connection con = (Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

if (rs.previous()) {

String PubN = rs.getString("pub\_id");

String PubName = rs.getString("pub\_name");

String PubAdd = rs.getString("pub\_address");

String PubPh1 = rs.getString("pub\_phone1");

String PubPh2 = rs.getString("pub\_phone2");

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

// Displaying the contents in respective text boxes.

txtPno.setText(PubN);

txtPName.setText(PubName);

txtPAdd.setText(PubAdd);

txtPh1.setText(PubPh1);

txtPh2.setText(PubPh2);

txtStatus.setText(PStatus);

cmdFirst.setEnabled(true);

cmdNext.setEnabled(true);

cmdPrev.setEnabled(true);

cmdLast.setEnabled(true);

} else {

cmdPrev.setEnabled(false);

JOptionPane.showMessageDialog(this, "You are at first position", "Student",0);

}

} catch (Exception e) {

JOptionPane.showMessageDialog(this, e.getMessage());

}

}

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

try {

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

Connection con = (Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

if (rs.last()) {

String PubN = rs.getString("pub\_id");

String PubName = rs.getString("pub\_name");

String PubAdd = rs.getString("pub\_address");

String PubPh1 = rs.getString("pub\_phone1");

String PubPh2 = rs.getString("pub\_phone2");

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

// Displaying the contents in respective text boxes.

txtPno.setText(PubN);

txtPName.setText(PubName);

txtPAdd.setText(PubAdd);

txtPh1.setText(PubPh1);

txtPh2.setText(PubPh2);

txtStatus.setText(PStatus);

cmdFirst.setEnabled(true);

cmdNext.setEnabled(false);

cmdPrev.setEnabled(true);

cmdLast.setEnabled(false);

} else {

JOptionPane.showMessageDialog(this, "You are already at last record", "Student",0);

}

} catch (Exception e) {

JOptionPane.showMessageDialog(this, e.getMessage());

}

}

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

disable\_textfields();

try {

// Connect to MySQL database

// Don't forget to import the two packages

// import java.sql.\*;

// import javax.swing.JOptionPane;

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

Connection con = (Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

stmt = con.createStatement();

rs = stmt.executeQuery(SQL);

if (rs.first())

{

String PubN = rs.getString("pub\_id");

String PubName = rs.getString("pub\_name");

String PubAdd = rs.getString("pub\_address");

String PubPh1 = rs.getString("pub\_phone1");

String PubPh2 = rs.getString("pub\_phone2");

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

// Displaying the contents in respective text boxes.

txtPno.setText(PubN);

txtPName.setText(PubName);

txtPAdd.setText(PubAdd);

txtPh1.setText(PubPh1);

txtPh2.setText(PubPh2);

txtStatus.setText(PStatus);

cmdFirst.setEnabled(false);

cmdNext.setEnabled(true);

cmdPrev.setEnabled(false);

cmdLast.setEnabled(true);

}

else

{

cmdFirst.setEnabled(false);

cmdNext.setEnabled(false);

cmdPrev.setEnabled(false);

cmdLast.setEnabled(false);

JOptionPane.showMessageDialog(this, "Rhere is no record in table", "Student",0);

}

} catch (Exception e) {

JOptionPane.showMessageDialog(this, e.getMessage());

}

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

public void run() {

new PubNavUI().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton cmdExit;

private javax.swing.JButton cmdFirst;

private javax.swing.JButton cmdLast;

private javax.swing.JButton cmdNext;

private javax.swing.JButton cmdPrev;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JSeparator jSeparator1;

private javax.swing.JSeparator jSeparator2;

private javax.swing.JTextField txtPAdd;

private javax.swing.JTextField txtPName;

private javax.swing.JTextField txtPh1;

private javax.swing.JTextField txtPh2;

private javax.swing.JTextField txtPno;

private javax.swing.JTextField txtStatus;

// End of variables declaration

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***PUBLISHER CONSOLE** \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

import java.sql.\*;

import javax.swing.JOptionPane;

public class pubUI extends javax.swing.JFrame {

/\*\* Creates new form pubUI \*/

public pubUI() {

initComponents();

}

/\*\* This method is called from within the constructor to

\* initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is

\* always regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

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

private void initComponents() {

cmdExit = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();

txtPno = new javax.swing.JTextField();

cmdNew = new javax.swing.JButton();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

txtPName = new javax.swing.JTextField();

txtPAdd = new javax.swing.JTextField();

txtPh1 = new javax.swing.JTextField();

txtPh2 = new javax.swing.JTextField();

cmdSave = new javax.swing.JButton();

jLabel6 = new javax.swing.JLabel();

jSeparator1 = new javax.swing.JSeparator();

jSeparator2 = new javax.swing.JSeparator();

cmdClear = new javax.swing.JButton();

cmdEdit = new javax.swing.JButton();

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

setTitle("Publisher Console - Library Management System || www.ezindagi.in ||");

setBounds(new java.awt.Rectangle(200, 70, 0, 0));

addWindowFocusListener(new java.awt.event.WindowFocusListener() {

public void windowGainedFocus(java.awt.event.WindowEvent evt) {

formWindowGainedFocus(evt);

}

public void windowLostFocus(java.awt.event.WindowEvent evt) {

}

});

cmdExit.setText("Exit");

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

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

cmdExitActionPerformed(evt);

}

});

jLabel1.setFont(new java.awt.Font("Arial", 1, 12));

jLabel1.setText("Publisher No./ID");

cmdNew.setText("New");

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

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

cmdNewActionPerformed(evt);

}

});

jLabel2.setFont(new java.awt.Font("Arial", 1, 12));

jLabel2.setText("Name");

jLabel3.setFont(new java.awt.Font("Arial", 1, 12));

jLabel3.setText("Address");

jLabel4.setFont(new java.awt.Font("Arial", 1, 12));

jLabel4.setText("Phone/Mobile");

jLabel5.setFont(new java.awt.Font("Arial", 1, 12));

jLabel5.setText("Pbone/Mobile");

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

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

txtPNameActionPerformed(evt);

}

});

txtPName.addPropertyChangeListener(new java.beans.PropertyChangeListener() {

public void propertyChange(java.beans.PropertyChangeEvent evt) {

txtPNamePropertyChange(evt);

}

});

txtPName.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

txtPNameKeyPressed(evt);

}

});

cmdSave.setText("Save");

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

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

cmdSaveActionPerformed(evt);

}

});

jLabel6.setFont(new java.awt.Font("VAGRounded BT", 1, 14));

jLabel6.setForeground(new java.awt.Color(0, 153, 153));

jLabel6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel6.setText("PUBLISHER INFORMATION");

cmdClear.setText("Clear");

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

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

cmdClearActionPerformed(evt);

}

});

cmdEdit.setText("Edit");

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

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

cmdEditActionPerformed(evt);

}

});

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

.addGap(33, 33, 33)

.addComponent(cmdNew)

.addGap(18, 18, 18)

.addComponent(cmdSave)

.addGap(18, 18, 18)

.addComponent(cmdEdit)

.addGap(18, 18, 18)

.addComponent(cmdClear)

.addGap(18, 18, 18)

.addComponent(cmdExit)

.addContainerGap(26, Short.MAX\_VALUE))

.addGroup(layout.createSequentialGroup()

.addGap(22, 22, 22)

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

.addComponent(jLabel1)

.addComponent(jLabel2)

.addComponent(jLabel3)

.addComponent(jLabel4)

.addComponent(jLabel5))

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

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

.addGroup(layout.createSequentialGroup()

.addComponent(txtPName, javax.swing.GroupLayout.DEFAULT\_SIZE, 256, Short.MAX\_VALUE)

.addGap(13, 13, 13))

.addComponent(txtPno, javax.swing.GroupLayout.PREFERRED\_SIZE, 47, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtPAdd, javax.swing.GroupLayout.DEFAULT\_SIZE, 269, Short.MAX\_VALUE)

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

.addComponent(txtPh2, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txtPh1, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 98, Short.MAX\_VALUE)))

.addContainerGap())

.addComponent(jSeparator1, javax.swing.GroupLayout.DEFAULT\_SIZE, 400, Short.MAX\_VALUE)

.addComponent(jSeparator2, javax.swing.GroupLayout.DEFAULT\_SIZE, 400, Short.MAX\_VALUE)

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

.addContainerGap()

.addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT\_SIZE, 380, Short.MAX\_VALUE)

.addContainerGap())

);

layout.setVerticalGroup(

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

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

.addComponent(jLabel6)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(21, 21, 21)

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

.addComponent(jLabel1)

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

.addGap(18, 18, 18)

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

.addComponent(jLabel2)

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

.addGap(29, 29, 29)

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

.addComponent(jLabel3)

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

.addGap(27, 27, 27)

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

.addComponent(jLabel4)

.addComponent(txtPh1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

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

.addComponent(jLabel5)

.addComponent(txtPh2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(16, 16, 16)

.addComponent(jSeparator2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

.addComponent(cmdNew)

.addComponent(cmdSave)

.addComponent(cmdEdit)

.addComponent(cmdClear)

.addComponent(cmdExit))

.addGap(40, 40, 40))

);

java.awt.Dimension screenSize = java.awt.Toolkit.getDefaultToolkit().getScreenSize();

setBounds((screenSize.width-416)/2, (screenSize.height-365)/2, 416, 365);

}// </editor-fold>

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

new MainUI ().setVisible(true);

dispose();

}

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

txtPno.setEditable(false);

// Deactivate the Save button when form loads

cmdSave.setEnabled(false);

}

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

// Activate the Save button when New button clicked

cmdSave.setEnabled(true);

try {

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

Connection con = (Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

Statement stmt = null;

ResultSet rs = null; // ResultSet for publisher table.

String SQL = "SELECT \* FROM publisher";

stmt = con.createStatement(); // Connection string for ResultSet - rs.

rs = stmt.executeQuery(SQL);

int pno = 1;

int PID=0;

while (rs.next()) {

PID = rs.getInt("pub\_id");

pno++;

}

PID++;

pno = PID;

txtPno.setText(Integer.toString(pno));

txtPName.setFocusable(true);

con.close();

rs.close();

stmt.close();

} catch (Exception e) {

JOptionPane.showMessageDialog(this,e.getMessage());

e.printStackTrace();

}

}

private void txtPNamePropertyChange(java.beans.PropertyChangeEvent evt) {

}

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

}

private void txtPNameKeyPressed(java.awt.event.KeyEvent evt) {

}

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

try {

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

Connection con = (Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

Statement stmt = null;

ResultSet rs = null;

String SQL = "SELECT \* FROM publisher";

stmt = con.createStatement();

rs = stmt.executeQuery(SQL);

int Pno = Integer.parseInt(txtPno.getText());

String PName = txtPName.getText();

String PAdd = txtPAdd.getText();

String Pph1 = txtPh1.getText();

String Pph2 = txtPh2.getText();

char PStatus = 'Y';

int code = JOptionPane.showConfirmDialog(this, "Are you sure to add?", "Confirmation Dialog Box", JOptionPane.YES\_NO\_CANCEL\_OPTION, JOptionPane.INFORMATION\_MESSAGE);

if (code == JOptionPane.YES\_OPTION) {

String strSQL = "INSERT INTO Publisher(pub\_id, pub\_name, pub\_address, pub\_phone1, pub\_phone2, status) VALUES ("+(Pno)+", '"+(PName)+"', '"+(PAdd)+"', '"+(Pph1)+"', '"+(Pph2)+"', '"+(PStatus)+"')";

int rowsEffected = stmt.executeUpdate(strSQL);

JOptionPane.showMessageDialog(this, "Record added successfully into Publisher table");

}

con.close();

stmt.close();

rs.close();

cmdSave.setEnabled(false);

} catch (Exception e) {

JOptionPane.showMessageDialog(this, e.getMessage());

}

}

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

txtPno.setText("");

txtPName.setText("");

txtPAdd.setText("");

txtPh1.setText("");

txtPh2.setText("");

cmdSave.setEnabled(false);

}

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

this.setVisible(false);

new PubEditUI().setVisible(true);

}

/\*\*

\* @param args the command line arguments

\*/

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

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

public void run() {

new pubUI().setVisible(true);

new pubUI().setSize(500, 500);

}

});

}\*/

// Variables declaration - do not modify

private javax.swing.JButton cmdClear;

private javax.swing.JButton cmdEdit;

private javax.swing.JButton cmdExit;

private javax.swing.JButton cmdNew;

private javax.swing.JButton cmdSave;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JSeparator jSeparator1;

private javax.swing.JSeparator jSeparator2;

private javax.swing.JTextField txtPAdd;

private javax.swing.JTextField txtPName;

private javax.swing.JTextField txtPh1;

private javax.swing.JTextField txtPh2;

private javax.swing.JTextField txtPno;

// End of variables declaration

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***MEMBER CONSOLE** \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

import java.sql.\*;

import javax.swing.JOptionPane;

public class MembUI extends javax.swing.JFrame {

/\*\* Creates new form MembUI \*/

public MembUI() {

initComponents();

}

/\*\* This method is called from within the constructor to

\* initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is

\* always regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

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

private void initComponents() {

cmdClear = new javax.swing.JButton();

jSeparator2 = new javax.swing.JSeparator();

cmdEdit = new javax.swing.JButton();

jLabel4 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

txtMPh = new javax.swing.JTextField();

txtMName = new javax.swing.JTextField();

txtMAdd = new javax.swing.JTextField();

cmdExit = new javax.swing.JButton();

jSeparator1 = new javax.swing.JSeparator();

jLabel1 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

cmdSave = new javax.swing.JButton();

cmdNew = new javax.swing.JButton();

txtMNo = new javax.swing.JTextField();

jLabel7 = new javax.swing.JLabel();

txtMDate = new javax.swing.JTextField();

jLabel8 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

txtMFee = new javax.swing.JTextField();

txtMStatus = new javax.swing.JTextField();

cmdDel = new javax.swing.JButton();

jLabel9 = new javax.swing.JLabel();

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

setTitle("Membership Data Console - Library Management System || www.ezindagi.in ||");

setBounds(new java.awt.Rectangle(200, 70, 0, 0));

addWindowFocusListener(new java.awt.event.WindowFocusListener() {

public void windowGainedFocus(java.awt.event.WindowEvent evt) {

formWindowGainedFocus(evt);

}

public void windowLostFocus(java.awt.event.WindowEvent evt) {

}

});

cmdClear.setText("Clear");

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

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

cmdClearActionPerformed(evt);

}

});

cmdEdit.setText("Edit");

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

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

cmdEditActionPerformed(evt);

}

});

jLabel4.setFont(new java.awt.Font("Arial", 1, 12));

jLabel4.setText("Phone/Mobile");

jLabel2.setFont(new java.awt.Font("Arial", 1, 12));

jLabel2.setText("Name");

jLabel3.setFont(new java.awt.Font("Arial", 1, 12));

jLabel3.setText("Address");

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

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

txtMNameActionPerformed(evt);

}

});

txtMName.addPropertyChangeListener(new java.beans.PropertyChangeListener() {

public void propertyChange(java.beans.PropertyChangeEvent evt) {

txtMNamePropertyChange(evt);

}

});

txtMName.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

txtMNameKeyPressed(evt);

}

});

cmdExit.setText("Exit");

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

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

cmdExitActionPerformed(evt);

}

});

jLabel1.setFont(new java.awt.Font("Arial", 1, 12));

jLabel1.setText("Member No.");

jLabel6.setFont(new java.awt.Font("VAGRounded BT", 1, 14));

jLabel6.setForeground(new java.awt.Color(153, 0, 51));

jLabel6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel6.setText("MEMBER INFORMATION");

cmdSave.setText("Save");

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

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

cmdSaveActionPerformed(evt);

}

});

cmdNew.setText("New");

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

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

cmdNewActionPerformed(evt);

}

});

jLabel7.setFont(new java.awt.Font("Arial", 1, 12));

jLabel7.setText("Membership Date");

txtMDate.setFont(new java.awt.Font("Arial", 1, 10));

jLabel8.setFont(new java.awt.Font("Arial", 1, 12));

jLabel8.setText("Membership Fee");

jLabel5.setFont(new java.awt.Font("Arial", 1, 12));

jLabel5.setText("Status");

txtMFee.setFont(new java.awt.Font("Arial", 1, 10));

txtMStatus.setFont(new java.awt.Font("Arial", 1, 10));

cmdDel.setText("Delete");

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

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

cmdDelActionPerformed(evt);

}

});

jLabel9.setText("YYYY-MM-DD");

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addComponent(jSeparator1, javax.swing.GroupLayout.DEFAULT\_SIZE, 480, Short.MAX\_VALUE)

.addGroup(layout.createSequentialGroup()

.addComponent(jSeparator2, javax.swing.GroupLayout.DEFAULT\_SIZE, 470, Short.MAX\_VALUE)

.addContainerGap())

.addGroup(layout.createSequentialGroup()

.addGap(33, 33, 33)

.addComponent(cmdNew)

.addGap(18, 18, 18)

.addComponent(cmdSave)

.addGap(18, 18, 18)

.addComponent(cmdEdit)

.addGap(18, 18, 18)

.addComponent(cmdDel)

.addGap(18, 18, 18)

.addComponent(cmdClear)

.addGap(18, 18, 18)

.addComponent(cmdExit)

.addContainerGap(25, Short.MAX\_VALUE))

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

.addGap(33, 33, 33)

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

.addGroup(layout.createSequentialGroup()

.addGap(19, 19, 19)

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

.addComponent(jLabel2, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel1, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel4, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel3, javax.swing.GroupLayout.Alignment.TRAILING))

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

.addComponent(txtMPh, javax.swing.GroupLayout.PREFERRED\_SIZE, 118, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jLabel7)

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

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

.addComponent(jLabel9)

.addComponent(txtMDate, javax.swing.GroupLayout.PREFERRED\_SIZE, 100, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel8)

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

.addComponent(txtMFee, javax.swing.GroupLayout.PREFERRED\_SIZE, 74, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jLabel5)

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

.addComponent(txtMStatus, javax.swing.GroupLayout.PREFERRED\_SIZE, 31, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(99, 99, 99)

.addComponent(txtMAdd, javax.swing.GroupLayout.PREFERRED\_SIZE, 272, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(99, 99, 99)

.addComponent(txtMName, javax.swing.GroupLayout.PREFERRED\_SIZE, 178, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(99, 99, 99)

.addComponent(txtMNo, javax.swing.GroupLayout.PREFERRED\_SIZE, 47, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

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

.addContainerGap()

.addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT\_SIZE, 460, Short.MAX\_VALUE)

.addContainerGap())

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel6)

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

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

.addGroup(layout.createSequentialGroup()

.addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

.addComponent(jLabel1)

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

.addGap(18, 18, 18)

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

.addComponent(jLabel2)

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

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

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

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

.addComponent(jLabel3))

.addGap(15, 15, 15)

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

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

.addComponent(jLabel4)

.addComponent(jLabel7)

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

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

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

.addComponent(jLabel8)

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

.addComponent(jLabel5)

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

.addGap(18, 18, 18)

.addComponent(jSeparator2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

.addComponent(cmdNew)

.addComponent(cmdSave)

.addComponent(cmdEdit)

.addComponent(cmdDel)

.addComponent(cmdClear)

.addComponent(cmdExit))

.addContainerGap(29, Short.MAX\_VALUE))

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

.addGap(141, 141, 141)

.addComponent(jLabel9)

.addGap(85, 85, 85))))

);

java.awt.Dimension screenSize = java.awt.Toolkit.getDefaultToolkit().getScreenSize();

setBounds((screenSize.width-496)/2, (screenSize.height-314)/2, 496, 314);

}// </editor-fold>

Statement stmt = null;

ResultSet rs = null; // ResultSet for publisher table.

String SQL = "SELECT \* FROM Member";

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

txtMNo.setText("");

txtMName.setText("");

txtMAdd.setText("");

txtMPh.setText("");

txtMDate.setText("");

txtMFee.setText("");

txtMStatus.setText("");

cmdSave.setEnabled(false);

}

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

this.setVisible(false);

new MembEditUI().setVisible(true);

}

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

}

private void txtMNamePropertyChange(java.beans.PropertyChangeEvent evt) {

}

private void txtMNameKeyPressed(java.awt.event.KeyEvent evt) {

}

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

new MainUI ().setVisible(true);

dispose();

}

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

try {

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

Connection con = (Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

stmt = con.createStatement();

rs = stmt.executeQuery(SQL);

int Mno = Integer.parseInt(txtMNo.getText());

String MName = txtMName.getText();

String MAdd = txtMAdd.getText();

String MPh1 = txtMPh.getText();

String MDate = txtMDate.getText();

String MEDate = txtMDate.getText(); // This is temporarily assigned same as membership date

double MFee = Double.parseDouble(txtMFee.getText());

char MStatus = 'Y'; // Member status is Y

char MIssue = 'N'; // Book issue status is N

int code = JOptionPane.showConfirmDialog(this, "Are you sure to add?", "Confirmation Dialog Box", JOptionPane.YES\_NO\_CANCEL\_OPTION, JOptionPane.INFORMATION\_MESSAGE);

if (code == JOptionPane.YES\_OPTION) {

String strSQL = "INSERT INTO Member(memb\_no, memb\_name, memb\_add, memb\_phone, mdate, medate, mfee, mem\_status, mem\_issue) VALUES ("+(Mno)+", '"+(MName)+"', '"+(MAdd)+"', '"+(MPh1)+"', '"+(MDate)+"', '"+(MEDate)+"', "+(MFee)+", '"+(MStatus)+"', '"+(MIssue)+"')";

int rowsEffected = stmt.executeUpdate(strSQL);

JOptionPane.showMessageDialog(this, "Record added successfully into Member table");

}

cmdSave.setEnabled(false);

} catch (Exception e) {

JOptionPane.showMessageDialog(this, e.getMessage());

}

}

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

txtMStatus.setText("Y");

// Activate the Save button when New button clicked

cmdSave.setEnabled(true);

try {

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

Connection con = (Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

stmt = con.createStatement(); // Connection string for ResultSet - rs.

rs = stmt.executeQuery(SQL);

int MNO=0, Mno = 0;

while (rs.next()) {

MNO = rs.getInt("memb\_no");

}

MNO++;

Mno = MNO;

txtMNo.setText(Integer.toString(Mno));

txtMName.setFocusable(true);

} catch (Exception e) {

JOptionPane.showMessageDialog(this,e.getMessage());

e.printStackTrace();

}

}

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

txtMNo.setEditable(false);

txtMStatus.setEditable(false);

// Deactivate the Save button when form loads

cmdSave.setEnabled(false);

}

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

this.setVisible(false);

new MembDelUI().setVisible(true);

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

public void run() {

new MembUI().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton cmdClear;

private javax.swing.JButton cmdDel;

private javax.swing.JButton cmdEdit;

private javax.swing.JButton cmdExit;

private javax.swing.JButton cmdNew;

private javax.swing.JButton cmdSave;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JSeparator jSeparator1;

private javax.swing.JSeparator jSeparator2;

private javax.swing.JTextField txtMAdd;

private javax.swing.JTextField txtMDate;

private javax.swing.JTextField txtMFee;

private javax.swing.JTextField txtMName;

private javax.swing.JTextField txtMNo;

private javax.swing.JTextField txtMPh;

private javax.swing.JTextField txtMStatus;

// End of variables declaration

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***MEMBER LIST UI** \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

import javax.swing.table.\*;

import java.sql.\*;

import javax.swing.JOptionPane;

public class MListUI extends javax.swing.JFrame {

/\*\* Creates new form MListUI \*/

public MListUI() {

initComponents();

}

/\*\* This method is called from within the constructor to

\* initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is

\* always regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

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

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

cmdExit = new javax.swing.JButton();

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

setTitle("Member List - Library Management System || www.ezindagi.in ||");

setBounds(new java.awt.Rectangle(200, 70, 0, 0));

addWindowFocusListener(new java.awt.event.WindowFocusListener() {

public void windowGainedFocus(java.awt.event.WindowEvent evt) {

formWindowGainedFocus(evt);

}

public void windowLostFocus(java.awt.event.WindowEvent evt) {

}

});

jLabel1.setFont(new java.awt.Font("EnviroD", 1, 14));

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setText("Member List");

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

new Object [][] {

{null, null, null, null, null},

{null, null, null, null, null},

{null, null, null, null, null},

{null, null, null, null, null}

},

new String [] {

"Member No.", "Name", "Address", "Phone", "Date"

}

));

jScrollPane1.setViewportView(jTable1);

cmdExit.setText("Exit");

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

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

cmdExitActionPerformed(evt);

}

});

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

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

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

.addContainerGap()

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, 499, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 499, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(layout.createSequentialGroup()

.addGap(219, 219, 219)

.addComponent(cmdExit)))

.addContainerGap())

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addGap(20, 20, 20)

.addComponent(jLabel1)

.addGap(18, 18, 18)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(cmdExit)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

java.awt.Dimension screenSize = java.awt.Toolkit.getDefaultToolkit().getScreenSize();

setBounds((screenSize.width-535)/2, (screenSize.height-285)/2, 535, 285);

}// </editor-fold>

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

new MainUI ().setVisible(true);

dispose();

}

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

// Before writting the followng line, you should import the line:

// import javax.swing.table.\*; at the top of your application

DefaultTableModel model = (DefaultTableModel) jTable1.getModel();

// Clear the existing table

int rows = model.getRowCount();

if (rows > 0) {

for (int i = 0; i < rows; i++) {

model.removeRow(0);

}

}

// SQL Query

String query = "SELECT \* FROM Member";

try {

// Connect to MySQL database

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

Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","root");

// Create SQL statement and execute query.

Statement stmt = con.createStatement();

ResultSet rs = stmt.executeQuery(query);

// Iterate through the result and display on screen

while (rs.next()) {

String Mno = rs.getString("memb\_no");

String MName = rs.getString("memb\_name");

String MAdd = rs.getString("memb\_add");

String MPh1 = rs.getString("memb\_phone");

String MDate = rs.getString("mdate");

//System.out.println(Mno + "|" + MName + "|" + MAdd + "|" + MPh1 + "|" + MDate);

model.addRow(new Object[] {Mno, MName, MAdd, MPh1, MDate});

}

}

catch (Exception e) {

JOptionPane.showMessageDialog(this, e.getMessage());

}

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

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

public void run() {

new MListUI().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton cmdExit;

private javax.swing.JLabel jLabel1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable jTable1;

// End of variables declaration

}

**BIBILOGRAPHY**

**Book : INFORMATICS PRACTICES**

**Writtten by:**

1. **Sumita Arora 12th IP**
2. **Oxford 12th IP**

**TEACHER REMARKS**