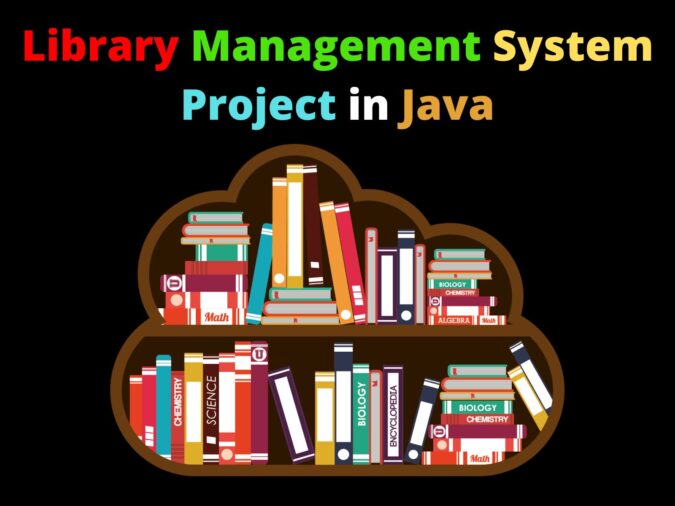
**[Library Management System Project in Java](https://copyassignment.com/library-management-system-project-in-java/)**

[KEERTHANA BUVANESHWARAN](https://copyassignment.com/author/keerthanabuvan/)  SEPTEMBER 12, 2022

[](https://copyassignment.com/library-management-system-project-in-java/)

**Introduction**

In this article, we will build ***Library Management System Project in Java and MySQL*** with source code. This project is great for those at an intermediate level in Java who want to advance their coding skills. In this project, the users will be able to perform the following functionalities ***Login***,***View Categories***, ***Book details***, ***Author details***, ***Book issue, and Book return***. Let’s get started!

**Library Management System Project in Java: Project Overview**

|  |  |
| --- | --- |
| **Project Name:** | **Library Management System Project in Java** |
| **Abstract** | It’s a GUI-based project used with the Swing module to organize all the elements that work under library management. |
| **Language/s Used:** | Java |
| **IDE** | IntelliJ Idea Professional(Recommended) |
| **Python version (Recommended):** | **Java SE 18.0.** **2.1** |
| **Database:** | MySQL |
| **Type:** | Desktop Application |
| Recommended for | Final Year Students |

**Setting the development environment**

You must have java JDK installed on your system and we are using Eclipse IDE to build this project, you can use either this or Netbeans IDE.

The first step will be to create a new project. Name it as you wish. In the src folder create a library package. In that package, we will be creating some files for different modules.

To connect the system with the database you will need to follow certain steps.

* Have Java JDK already installed and an IDE like Eclipse
* Install MySQL on the system.
* Download MySQL connector from [here](https://static.javatpoint.com/src/jdbc/mysql-connector.jar).
* In Eclipse, under your project expand external libraries and right-click, and select Open Library Settings. Select the libraries tab and click on the + button. Browse your jar file downloaded from the above step and click on it. This will add a dependency to your project. The steps will differ if you are using a different IDE.

**MySql Setup for Library Management System Project in Java**

**1. Create a database**

*-- Creating database*

create database library;

**2. Select the database**

*-- Selecting the database*

use library;

**3. Create a book table**

*-- Creating book table*

create table book (

id int primary key,

book\_name varchar(25),

category varchar(15),

author varchar(25),

publisher varchar(25),

);

**4. Create an issue table**

*-- Creating issue table*

create table issue (

member\_id int primary key,

member\_name varchar(25),

book\_name varchar(25),

date\_issue date,

date\_return date

);

*— Creating issue table*

**5. Create an admin table**

*-- Create admin table*

create table admin (

cust\_id varchar(25),

password varchar(25)

);

**6. Insert some values in the admin table**

-*- Inserting values*

insert into admin values

("admin1","1234"),

("admin2","9876");

**Implementation of the Library Management System Project in Java is:**

**1. Login module in library management system project in java**

This module helps to make a login page so that the user can enter the user name and password to enter into the library management system in java. Name the file as **login.java**

package library;

import javax.swing.JOptionPane;

public class Login extends javax.swing.JFrame {

public Login() {

initComponents();

}

@SuppressWarnings("unchecked")

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jPanel1 = new javax.swing.JPanel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

txtusername = new javax.swing.JTextField();

txtpass = new javax.swing.JPasswordField();

jButton2 = new javax.swing.JButton();

jButton1 = new javax.swing.JButton();

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

jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 36));

jLabel1.setText("Library Login");

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder("Login"));

jLabel2.setText("Username");

jLabel3.setText("Password");

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(48, 48, 48)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel2)

.addComponent(jLabel3))

.addGap(51, 51, 51)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(4, 4, 4)

.addComponent(txtpass))

.addComponent(txtusername, javax.swing.GroupLayout.PREFERRED\_SIZE, 161, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(114, Short.MAX\_VALUE))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

.addGap(33, 33, 33)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel2)

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

.addGap(43, 43, 43)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel3)

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

.addContainerGap(31, Short.MAX\_VALUE))

);

jButton2.setText("Cancel");

jButton2.addActionListener(new java.awt.event.ActionListener() {

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

jButton2ActionPerformed(evt);

}

});

jButton1.setText("Login");

jButton1.addActionListener(new java.awt.event.ActionListener() {

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

jButton1ActionPerformed(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(31, 31, 31)

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

.addComponent(jLabel1)

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

.addGroup(layout.createSequentialGroup()

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 115, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 126, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(4, 4, 4))

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap(18, Short.MAX\_VALUE)

.addComponent(jLabel1)

.addGap(18, 18, 18)

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

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

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(64, 64, 64))

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

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

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 45, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 45, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap())))

);

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed

String username = txtusername.getText();

String pass = txtpass.getText();

if(username.equals("Peter") && pass.equals("123"))

{

Main m = new Main();

this.hide();

m.setVisible(true);

}

else

{

JOptionPane.showMessageDialog(this,"Username and Password do not match");

txtusername.setText("");

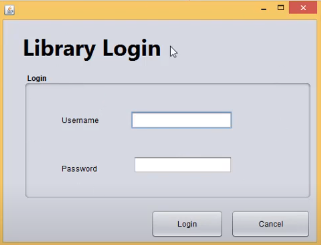
txtpass.setText("");

txtusername.requestFocus();

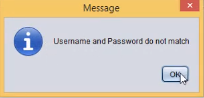
}

}

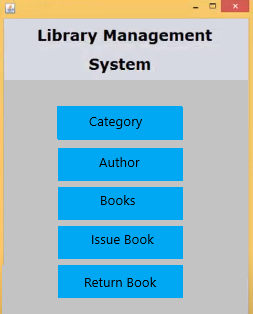
}



When the entered user name and password didn’t match the existing records in the database, it will return the “Username and password do not match”.



Once we enter the correct username and password it takes us to the home page of our library management application.



**2. Category Module in library management system in java**

We can create a new category in this module by giving the details. Name the file **category.**

package library;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.ResultSetMetaData;

import java.sql.SQLException;

import java.util.Vector;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class category extends javax.swing.JFrame {

public category() {

initComponents();

Connect();

table\_update();

}

Connection con;

PreparedStatement pst;

private void initComponents() {

jPanel2 = new javax.swing.JPanel();

jLabel9 = new javax.swing.JLabel();

jLabel10 = new javax.swing.JLabel();

txtcat = new javax.swing.JTextField();

txtstatus = new javax.swing.JComboBox<>();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jButton3 = new javax.swing.JButton();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jButton4 = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();

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

jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Category", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Tahoma", 1, 14)));

jLabel9.setText("Category");

jLabel10.setText("Status");

txtstatus.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Active", "DeActive" }));

jButton1.setText("Add");

jButton1.addActionListener(new java.awt.event.ActionListener() {

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

jButton1ActionPerformed(evt);

}

});

jButton2.setText("Edit");

jButton2.addActionListener(new java.awt.event.ActionListener() {

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

jButton2ActionPerformed(evt);

}

});

jButton3.setText("Delete");

jButton3.addActionListener(new java.awt.event.ActionListener() {

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

jButton3ActionPerformed(evt);

}

});

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Id", "Category", "Status"

}

) {

Class[] types = new Class [] {

java.lang.Integer.class, java.lang.String.class, java.lang.String.class

};

public Class getColumnClass(int columnIndex) {

return types [columnIndex];

}

});

jTable1.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));

jTable1.setGridColor(new java.awt.Color(255, 255, 255));

jTable1.addMouseListener(new java.awt.event.MouseAdapter() {

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

jTable1MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable1);

jButton4.setText("Cancel");

jButton4.addActionListener(new java.awt.event.ActionListener() {

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

jButton4ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(26, 26, 26)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel9)

.addComponent(jLabel10))

.addGap(35, 35, 35)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txtstatus, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtcat, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 73, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 83, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 104, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(8, 8, 8)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 73, Short.MAX\_VALUE)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 427, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(21, 21, 21)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

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

.addComponent(jLabel9))

.addGap(27, 27, 27)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

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

.addComponent(jLabel10))

.addGap(44, 44, 44)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jButton3, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(32, 32, 32)

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 42, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 260, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 30, Short.MAX\_VALUE))

);

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 36));

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(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(287, 287, 287)

.addComponent(jLabel1)))

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

);

layout.setVerticalGroup(

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

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

.addGap(27, 27, 27)

.addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 43, Short.MAX\_VALUE)

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

public void Connect()

{

try {

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

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

} catch (ClassNotFoundException ex) {

Logger.getLogger(category.class.getName()).log(Level.SEVERE, null, ex);

} catch (SQLException ex) {

Logger.getLogger(category.class.getName()).log(Level.SEVERE, null, ex);

}

private void table\_update()

{

int c;

try {

pst = con.prepareStatement("select \* from category");

ResultSet rs = pst.executeQuery();

ResultSetMetaData rsd = rs.getMetaData();

c = rsd.getColumnCount()

DefaultTableModel d = (DefaultTableModel)jTable1.getModel();

d.setRowCount(0);

while(rs.next())

{

Vector v2 = new Vector();

for(int i=1; i<=c; i++)

{

v2.add(rs.getString("id"));

v2.add(rs.getString("category"));

v2.add(rs.getString("status"));

}

d.addRow(v2);

}

} catch (SQLException ex) {

Logger.getLogger(category.class.getName()).log(Level.SEVERE, null, ex);

}

}

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

String category = txtcat.getText();

String status = txtstatus.getSelectedItem().toString();

try {

pst = con.prepareStatement("insert into category(category,status)values(?,?) ");

pst.setString(1, category);

pst.setString(2, status);

pst.executeUpdate();

JOptionPane.showMessageDialog(null,"Category Adddeddd");

table\_update();

txtcat.setText("");

txtstatus.setSelectedIndex(-1);

txtcat.requestFocus();

} catch (SQLException ex) {

Logger.getLogger(category.class.getName()).log(Level.SEVERE, null, ex);

}

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

DefaultTableModel d1 = (DefaultTableModel)jTable1.getModel();

int selectIndex = jTable1.getSelectedRow();

int id = Integer.parseInt(d1.getValueAt(selectIndex, 0).toString());

String category = txtcat.getText();

String status = txtstatus.getSelectedItem().toString();

try {

pst = con.prepareStatement("update category set category=?,status=? where id= ?");

pst.setString(1, category);

pst.setString(2, status);

pst.setInt(3, id);

pst.executeUpdate();

JOptionPane.showMessageDialog(null,"Category Updateddd");

table\_update();

txtcat.setText("");

txtstatus.setSelectedIndex(-1);

txtcat.requestFocus();

jButton1.setEnabled(true);

}

catch (SQLException ex) {

Logger.getLogger(category.class.getName()).log(Level.SEVERE, null, ex);

}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton3ActionPerformed

DefaultTableModel d1 = (DefaultTableModel)jTable1.getModel();

int selectIndex = jTable1.getSelectedRow();

int id = Integer.parseInt(d1.getValueAt(selectIndex, 0).toString());

int dialogResult = JOptionPane.showConfirmDialog(null, "Do you want to Delete the Record","Warning",JOptionPane.YES\_NO\_OPTION);

if(dialogResult == JOptionPane.YES\_OPTION)

{

try {

pst = con.prepareStatement("delete from category where id =?");

pst.setInt(1, id);

pst.executeUpdate();

JOptionPane.showMessageDialog(null,"Category Deletedd");

table\_update();

txtcat.setText("");

txtstatus.setSelectedIndex(-1);

txtcat.requestFocus();

} catch (SQLException ex) {

Logger.getLogger(category.class.getName()).log(Level.SEVERE, null, ex);

}

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

DefaultTableModel d1 = (DefaultTableModel)jTable1.getModel();

int selectIndex = jTable1.getSelectedRow();

txtcat.setText(d1.getValueAt(selectIndex, 1).toString());

txtstatus.setSelectedItem(d1.getValueAt(selectIndex, 2).toString());

jButton1.setEnabled(false);

}

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton4ActionPerformed

this.setVisible(false);

}

public static void main(String args[]) {

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(category.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(category.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(category.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(category.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

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

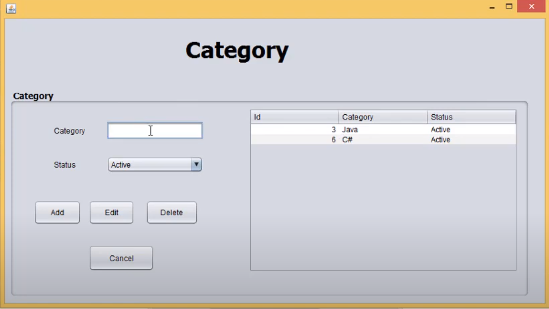
public void run() {

new category().setVisible(true);

}

});

}



**3. Author module in library management system project in java with source code pdf**

In this module, we can create new author profiles. Name the file as **author.java**.

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package library;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.ResultSetMetaData;

import java.sql.SQLException;

import java.util.Vector;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class author extends javax.swing.JFrame {

public author() {

initComponents();

Connect();

table\_update();

}

Connection con;

PreparedStatement pst;

@SuppressWarnings("unchecked")

private void initComponents() {

jToggleButton1 = new javax.swing.JToggleButton();

jPanel2 = new javax.swing.JPanel();

jLabel9 = new javax.swing.JLabel();

txtname = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jButton3 = new javax.swing.JButton();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jLabel11 = new javax.swing.JLabel();

jLabel12 = new javax.swing.JLabel();

txtphone = new javax.swing.JTextField();

jScrollPane2 = new javax.swing.JScrollPane();

txtaddress = new javax.swing.JTextArea();

jButton4 = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();

jButton1.addActionListener(new java.awt.event.ActionListener() {

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

jButton1ActionPerformed(evt);

}

});

jButton2.setText("Edit");

jButton2.addActionListener(new java.awt.event.ActionListener() {

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

jButton2ActionPerformed(evt);

}

});

jButton3.setText("Delete");

jButton3.addActionListener(new java.awt.event.ActionListener() {

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

jButton3ActionPerformed(evt);

}

});

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Id", "Name", "Address", "Phone"

}

) {

Class[] types = new Class [] {

java.lang.Integer.class, java.lang.String.class, java.lang.String.class, java.lang.String.class

};

public Class getColumnClass(int columnIndex) {

return types [columnIndex];

}

});

jTable1.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));

jTable1.setGridColor(new java.awt.Color(255, 255, 255));

jTable1.addMouseListener(new java.awt.event.MouseAdapter() {

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

jTable1MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable1);

jLabel11.setText("Address");

jLabel12.setText("Phone");

txtaddress.setColumns(20);

txtaddress.setRows(5);

jScrollPane2.setViewportView(txtaddress);

jButton4.setText("Cancel");

jButton4.addActionListener(new java.awt.event.ActionListener() {

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

jButton4ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(36, 36, 36)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel11)

.addComponent(jLabel9, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel12, javax.swing.GroupLayout.Alignment.LEADING))

.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jScrollPane2, javax.swing.GroupLayout.DEFAULT\_SIZE, 194, Short.MAX\_VALUE)

.addComponent(txtphone)

.addComponent(txtname))

.addGap(34, 34, 34))

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(6, 6, 6)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 68, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 64, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 77, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT\_SIZE, 78, Short.MAX\_VALUE)

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 623, Short.MAX\_VALUE)

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(21, 21, 21)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

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

.addComponent(jLabel9))

.addGap(28, 28, 28)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel11)

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 55, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(16, 16, 16)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

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

.addComponent(jLabel12))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(31, 31, 31)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 35, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

.addGap(30, 30, 30)

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 38, javax.swing.GroupLayout.PREFERRED\_SIZE)))

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

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 260, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 14, Short.MAX\_VALUE))

);

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 36)); // NOI18N

jLabel1.setText("Author");

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()

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

.addGroup(layout.createSequentialGroup()

.addGap(360, 360, 360)

.addComponent(jLabel1)

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

);

layout.setVerticalGroup(

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

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

.addGap(29, 29, 29)

.addComponent(jLabel1)

.addGap(18, 18, 18)

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

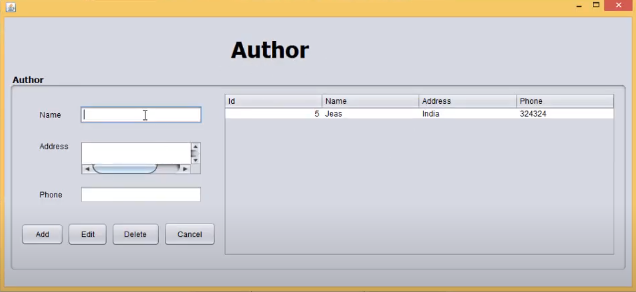
.addContainerGap(21, Short.MAX\_VALUE))

);

}

}

}



**4. Book Module for library management system project in java with source code**

In this module, we can edit the details of the book. Name the file as **book.java**.

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package library;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.ResultSetMetaData;

import java.sql.SQLException;

import java.util.Vector;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class Book extends javax.swing.JFrame {

public Book() {

initComponents();

Connect();

Author();

Category();

Publisher();

table\_update();

}

Connection con;

PreparedStatement pst;

public class CategoryItem

{

int id;

String name;

public CategoryItem( int id, String name )

{

this.id = id;

this.name = name;

}

public String toString()

{

return name;

}

} public void Connect()

{

try {

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

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

} catch (ClassNotFoundException ex) {

Logger.getLogger(Publisher.class.getName()).log(Level.SEVERE, null, ex);

} catch (SQLException ex) {

Logger.getLogger(Publisher.class.getName()).log(Level.SEVERE, null, ex);

}

private void Author()

{

pst = con.prepareStatement("select \* from author");

ResultSet rs = pst.executeQuery();

txtauthor.removeAllItems();

while(rs.next())

{

txtauthor.addItem(new Authoritem(rs.getInt(1),rs.getString(2)) );

}

}

catch (SQLException ex) {

Logger.getLogger(Book.class.getName()).log(Level.SEVERE, null, ex);

}

}

private void Publisher()

{

try {

pst = con.prepareStatement("select \* from publisher");

ResultSet rs = pst.executeQuery();

txtpub.removeAllItems();

while(rs.next())

{

txtpub.addItem(new Publisheritem(rs.getInt(1),rs.getString(2)) );

}

} catch (SQLException ex) {

Logger.getLogger(Book.class.getName()).log(Level.SEVERE, null, ex);

}

}

private void table\_update()

{

int c;

try {

pst = con.prepareStatement("SELECT book.id,book.bookname,c.category,a.name,p.name,book.contents,book.nopages,book.edition FROM books book JOIN category c ON book.cat\_id = c.id JOIN author a ON book.author\_id = a.id JOIN publisher p ON book.p\_id = p.id");

ResultSet rs = pst.executeQuery();

ResultSetMetaData rsd = rs.getMetaData();

c = rsd.getColumnCount();

DefaultTableModel d = (DefaultTableModel)jTable1.getModel();

d.setRowCount(0);

while(rs.next())

{

Vector v2 = new Vector();

for(int i=1; i<=c; i++)

{

v2.add(rs.getString("book.id"));

v2.add(rs.getString("book.bookname"));

v2.add(rs.getString("c.category"));

v2.add(rs.getString("a.name"));

v2.add(rs.getString("p.name"));

v2.add(rs.getString("book.contents"));

v2.add(rs.getString("book.nopages"));

v2.add(rs.getString("book.edition"));

}

d.addRow(v2);

}

} catch (SQLException ex) {

Logger.getLogger(author.class.getName()).log(Level.SEVERE, null, ex);

}

}

private void initComponents() {

jPanel2 = new javax.swing.JPanel();

jLabel9 = new javax.swing.JLabel();

txtname = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jButton3 = new javax.swing.JButton();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jLabel11 = new javax.swing.JLabel();

jLabel12 = new javax.swing.JLabel();

txtcontents = new javax.swing.JTextField();

jLabel13 = new javax.swing.JLabel();

jLabel14 = new javax.swing.JLabel();

txtcat = new javax.swing.JComboBox();

txtauthor = new javax.swing.JComboBox();

txtpub = new javax.swing.JComboBox();

jLabel15 = new javax.swing.JLabel();

txtpages = new javax.swing.JTextField();

jLabel16 = new javax.swing.JLabel();

txtpeditor = new javax.swing.JTextField();

jButton4 = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(26, 26, 26)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel11)

.addComponent(jLabel9)

.addComponent(jLabel13)

.addComponent(jLabel14)

.addComponent(jLabel15)

.addComponent(jLabel12)

.addComponent(jLabel16))

.addGap(28, 28, 28)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

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

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

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

.addComponent(txtcat, javax.swing.GroupLayout.Alignment.LEADING, 0, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(txtauthor, javax.swing.GroupLayout.Alignment.LEADING, 0, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(txtpub, javax.swing.GroupLayout.Alignment.LEADING, 0, 194, Short.MAX\_VALUE)

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

.addGap(34, 34, 34)

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 713, Short.MAX\_VALUE))

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(77, 77, 77)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 86, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 84, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 99, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(21, 21, 21)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

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

.addComponent(jLabel9))

.addGap(23, 23, 23)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel11)

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

.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel13)

.addComponent(txtauthor, javax.swing.GroupLayout.PREFERRED\_SIZE, 20, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(23, 23, 23)

.addComponent(jLabel14))

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(18, 18, 18)

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

.addGap(28, 28, 28)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

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

.addComponent(jLabel15))

.addGap(25, 25, 25)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel12)

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

.addGap(29, 29, 29)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel16)

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

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 260, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 23, Short.MAX\_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jButton1, javax.swing.GroupLayout.DEFAULT\_SIZE, 42, Short.MAX\_VALUE)

.addComponent(jButton2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap())

);

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 36));

jLabel1.setText("Book");

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(463, 463, 463)

.addComponent(jLabel1)

.addContainerGap(541, Short.MAX\_VALUE))

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap()))

);

layout.setVerticalGroup(

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

.addGroup(layout.createSequentialGroup()

.addGap(26, 26, 26)

.addComponent(jLabel1)

.addContainerGap(437, Short.MAX\_VALUE))

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

.addGroup(layout.createSequentialGroup()

.addGap(92, 92, 92)

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

);

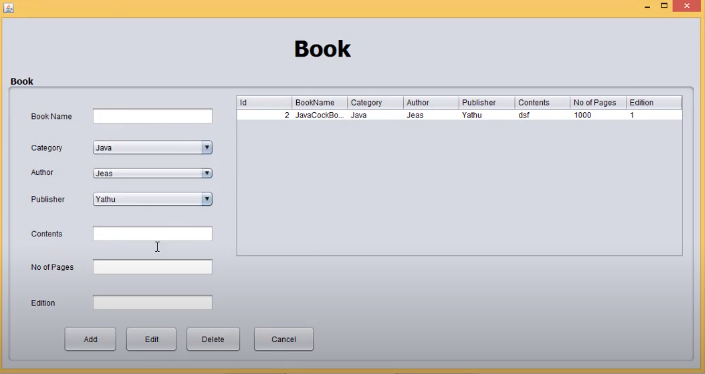
pack();

setLocationRelativeTo(null);

}

}

}



**5. Issue Book Module in simple library management system project in java with source code**

In this module, we can issue books to the members. Name the file as **issue.java**.

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package library;

import com.sun.glass.events.KeyEvent;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.ResultSetMetaData;

import java.sql.SQLException;

import java.text.SimpleDateFormat;

import java.util.Vector;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class Lend extends javax.swing.JFrame {

public Issue() {

initComponents();

Connect();

Book();

table\_update();

}

Connection con;

PreparedStatement pst;

public class BookItem

{

int id;

String name;

public BookItem( int id, String name )

{

this.id = id;

this.name = name;

}

public String toString()

{

return name;

}

}

public void Connect()

{

try {

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

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

} catch (ClassNotFoundException ex) {

Logger.getLogger(Publisher.class.getName()).log(Level.SEVERE, null, ex);

} catch (SQLException ex) {

Logger.getLogger(Publisher.class.getName()).log(Level.SEVERE, null, ex);

}

} private void initComponents() {

jPanel2 = new javax.swing.JPanel();

jLabel9 = new javax.swing.JLabel();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jLabel11 = new javax.swing.JLabel();

jLabel13 = new javax.swing.JLabel();

jLabel14 = new javax.swing.JLabel();

txtbook = new javax.swing.JComboBox();

txtid = new javax.swing.JTextField();

txttdate = new com.toedter.calendar.JDateChooser();

txtrdate = new com.toedter.calendar.JDateChooser();

txtname = new javax.swing.JTextField();

jLabel10 = new javax.swing.JLabel();

jLabel1 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jButton3 = new javax.swing.JButton();

jButton4 = new javax.swing.JButton();

public Class getColumnClass(int columnIndex) {

return types [columnIndex];

}

});

jTable1.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));

jTable1.setGridColor(new java.awt.Color(255, 255, 255));

jTable1.addMouseListener(new java.awt.event.MouseAdapter() {

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

jTable1MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable1);

jLabel11.setText("Book");

jLabel13.setText("Date");

jLabel14.setText("Return");

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

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

txtidActionPerformed(evt);

}

});

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

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

txtidKeyPressed(evt);

}

});

jLabel10.setText("Member Name");

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(26, 26, 26)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel9)

.addComponent(jLabel13)

.addComponent(jLabel14)

.addComponent(jLabel11)

.addComponent(jLabel10))

.addGap(28, 28, 28)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(txtid)

.addComponent(txttdate, javax.swing.GroupLayout.DEFAULT\_SIZE, 194, Short.MAX\_VALUE)

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

.addComponent(txtname)

.addComponent(txtbook, 0, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(34, 34, 34)

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 720, Short.MAX\_VALUE)

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(21, 21, 21)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel9)

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

.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

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

.addComponent(jLabel10))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

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

.addComponent(jLabel11)

.addGap(31, 31, 31))

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(18, 18, 18)

.addComponent(txtbook)

.addGap(28, 28, 28)))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel13)

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

.addGap(32, 32, 32)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel14)

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

.addGap(243, 243, 243))

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 260, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

);

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 36)); // NOI18N

jLabel1.setText("Issue Book");

jButton1.setText("Add");

jButton1.addActionListener(new java.awt.event.ActionListener() {

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

jButton1ActionPerformed(evt);

}

});

jButton2.setText("Edit");

jButton2.addActionListener(new java.awt.event.ActionListener() {

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

jButton2ActionPerformed(evt);

}

});

jButton3.setText("Delete");

jButton3.addActionListener(new java.awt.event.ActionListener() {

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

jButton3ActionPerformed(evt);

}

});

jButton4.setText("Cancel");

jButton4.addActionListener(new java.awt.event.ActionListener() {

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

jButton4ActionPerformed(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(layout.createSequentialGroup()

.addGap(21, 21, 21)

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGroup(layout.createSequentialGroup()

.addGap(463, 463, 463)

.addComponent(jLabel1)

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

.addContainerGap())

.addGroup(layout.createSequentialGroup()

.addGap(32, 32, 32)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 80, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 86, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 79, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 91, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

);

layout.setVerticalGroup(

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

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

.addGap(26, 26, 26)

.addComponent(jLabel1)

.addGap(26, 26, 26)

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 291, javax.swing.GroupLayout.PREFERRED\_SIZE)

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

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

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT\_SIZE, 40, Short.MAX\_VALUE))

.addGap(24, 24, 24))

);

}

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

if(evt.getKeyCode() == KeyEvent.VK\_ENTER)

{

String id = txtid.getText();

try {

pst = con.prepareStatement("select \* from member where id=?");

pst.setString(1, id);

ResultSet rs = pst.executeQuery();

if(rs.next()==false)

{

JOptionPane.showMessageDialog(this,"Member ID not Found");

}

else

{

String productname = rs.getString("name");

txtname.setText(productname.trim());

}

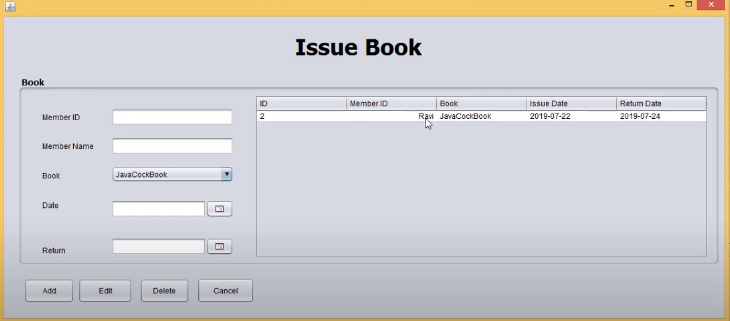
} catch (SQLException ex) {

Logger.getLogger(Lend.class.getName()).log(Level.SEVERE, null, ex);

}

}

}



**6. Return Book Module in library management system code in java**

In this module, we can return the book to the members. Name the file **return.java**.

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package library;

import java.awt.event.KeyEvent;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.ResultSetMetaData;

import java.sql.SQLException;

import java.util.Vector;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class Return extends javax.swing.JFrame {

public Return() {

initComponents();

Connect();

table\_update();

}

Connection con;

PreparedStatement pst;

@SuppressWarnings("unchecked")

private void initComponents() {

jPanel2 = new javax.swing.JPanel();

jLabel9 = new javax.swing.JLabel();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jLabel11 = new javax.swing.JLabel();

jLabel13 = new javax.swing.JLabel();

jLabel14 = new javax.swing.JLabel();

txtid = new javax.swing.JTextField();

jLabel10 = new javax.swing.JLabel();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

txtdate = new javax.swing.JTextField();

jLabel5 = new javax.swing.JLabel();

txtelp = new javax.swing.JTextField();

txtfine = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jLabel3 = new javax.swing.JLabel();

jButton2 = new javax.swing.JButton();

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

jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Return", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Tahoma", 1, 14))); // NOI18N

jLabel9.setText("Member ID");

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"ID", "Member ID", "Member Name", "Book", "Return Date", "Days Elp", "Fine"

}

) {

Class[] types = new Class [] {

java.lang.String.class, java.lang.Integer.class, java.lang.String.class, java.lang.String.class, java.lang.String.class, java.lang.String.class, java.lang.String.class

};

public Class getColumnClass(int columnIndex) {

return types [columnIndex];

}

});

jTable1.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));

jTable1.setGridColor(new java.awt.Color(255, 255, 255));

jTable1.addMouseListener(new java.awt.event.MouseAdapter() {

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

jTable1MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable1);

jLabel11.setText("Book");

jLabel13.setText("Return Date");

jLabel14.setText("Fine");

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

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

txtidActionPerformed(evt);

}

});

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

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

txtidKeyPressed(evt);

}

});

jLabel10.setText("Member Name");

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 15)); // NOI18N

jLabel1.setText("Membername");

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 15)); // NOI18N

jLabel2.setText("Book");

jLabel5.setText("Days Elapsed");

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(26, 26, 26)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel9)

.addComponent(jLabel13)

.addComponent(jLabel14)

.addComponent(jLabel11)

.addComponent(jLabel10)

.addComponent(jLabel5))

.addGap(28, 28, 28)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

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

.addComponent(jLabel1)

.addComponent(jLabel2)

.addComponent(txtdate, javax.swing.GroupLayout.DEFAULT\_SIZE, 194, Short.MAX\_VALUE)

.addComponent(txtelp))

.addGap(34, 34, 34)

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 740, Short.MAX\_VALUE)

.addContainerGap())

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(21, 21, 21)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel9)

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

.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel10)

.addComponent(jLabel1))

.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel11)

.addComponent(jLabel2))

.addGap(25, 25, 25)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel13)

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

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

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel5)

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

.addGap(40, 40, 40)

.addComponent(jLabel14))

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 260, javax.swing.GroupLayout.PREFERRED\_SIZE))

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

);

txtfine.setText("jTextField1");

jButton1.setText("Return");

jButton1.addActionListener(new java.awt.event.ActionListener() {

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

jButton1ActionPerformed(evt);

}

});

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 36)); // NOI18N

jLabel3.setText("Return");

jButton2.setText("Cancel");

jButton2.addActionListener(new java.awt.event.ActionListener() {

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

jButton2ActionPerformed(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(layout.createSequentialGroup()

.addGap(148, 148, 148)

.addComponent(txtfine, javax.swing.GroupLayout.PREFERRED\_SIZE, 186, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(89, 89, 89)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 99, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 112, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(493, 493, 493)

.addComponent(jLabel3)))

.addContainerGap(515, Short.MAX\_VALUE))

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap()))

);

layout.setVerticalGroup(

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

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

.addGap(31, 31, 31)

.addComponent(jLabel3)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 274, Short.MAX\_VALUE)

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

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

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

.addGap(117, 117, 117))

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

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

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 45, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 42, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(43, 43, 43))))

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

.addGroup(layout.createSequentialGroup()

.addGap(92, 92, 92)

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(108, Short.MAX\_VALUE)))

);

pack();

setLocationRelativeTo(null);

}

public void Connect()

{

try {

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

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

} catch (ClassNotFoundException ex) {

Logger.getLogger(Publisher.class.getName()).log(Level.SEVERE, null, ex);

} catch (SQLException ex) {

Logger.getLogger(Publisher.class.getName()).log(Level.SEVERE, null, ex);

}

private void txtidKeyPressed(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_txtidKeyPressed

if(evt.getKeyCode() == KeyEvent.VK\_ENTER)

{

String id = txtid.getText();

try {

pst = con.prepareStatement("SELECT m.name,b.bookname,l.returndate,DATEDIFF(NOW(),l.returndate) as elap FROM lend l JOIN books b ON l.bookid = b.id JOIN member m ON l.memberid = m.id and l.memberid = ?");

pst.setString(1, id);

ResultSet rs = pst.executeQuery();

if(rs.next()==false)

{

JOptionPane.showMessageDialog(this,"Member ID not Found");

}

else

{

String mname = rs.getString("m.name");

String bname = rs.getString("b.bookname");

jLabel1.setText(mname.trim());

jLabel2.setText(bname.trim());

String date = rs.getString("l.returndate");

String elp = rs.getString("elap");

int elaped = Integer.parseInt(elp);

if(elaped > 0)

{

txtelp.setText(elp);

int fine = elaped \* 50;

txtfine.setText(String.valueOf(fine));

}

else

{

txtelp.setText("0");

txtfine.setText("0");

}

txtdate.setText(date.trim());

}

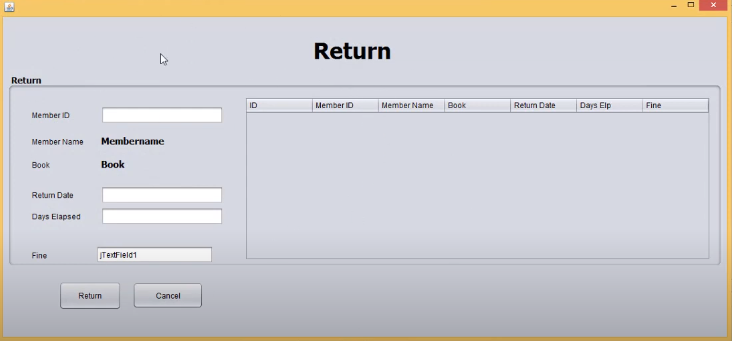
} catch (SQLException ex) {

Logger.getLogger(Return.class.getName()).log(Level.SEVERE, null, ex);

}

}

}



**Conclusio**

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