



Project Report

For

Online Book Store

Prepared by ,

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Object Oriented Programming Lab(ICE-2102)**

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1.Introduction

1.1 Purpose

For the project, we propose to build an online bookshop for People. The online bookshop will contain stories, study material, any courses books like computer and be available to everyone.

1.2 Intended Audience

Our product will potentially have many users, as there may be many add-ones to the product each one catering to different types of users in various fields.

User : A person who wants to buy book(s) any time. They won't need to have extended functionality.

Admin : This is a user who uses the product to make his life easier and to perform specific tasks. Such task for a shopkeeper for example would not need any employee to manage his shop.

1.3 Intended to Use

The main intended use of this project is buying books without any trouble. With the help of this web based application people can buy books easily.

1.4 Product Scopes

The application is user friendly that user can use this application for free. It will help the user to buy and sell books.

1.5 Limitations and Risks

- The system is not configured for multi- users at this time.
- The Website is not accessible to everyone. It can be deployed on a web server so that everybody who is connected to the Internet can use it.

1.6 References

1. <https://drive.google.com/file/d/1XNmbfwwc8GTRE6Bm5nHMYjAGPaGucXfc/view?usp>
2. <https://www.youtube.com/watch?v=fkmgj8UaeNM&t=861s>
3. <https://www.youtube.com/watch?v=3vauM7axnRs>

2.Overall Description

2.1 User Classes and Characteristics

- ◆ User_info
- ◆ Admin_info
- ◆ Book_info

2.2 User Needs

- ◆ Book title
- ◆ Book details

2.3 User Interfaces

This project designs an online bookstore provides a web-based application. It is the graphical user interface. It has a form for user to input query information to search the database. The users interface then pass the input to the control function, which implemented in Java. The control function is designed to process the input from the users interface, generate the searching query and then gets data from the database and returns to the users interface.

2.4 Operating Environment

The application will run in windows 7, 8, 8.1, 10 or higher platforms of operating system where JAVA is installed.

2.5 Product Functions

The product will contain the following features:

- Registration / Login
- Search Books
- Add to Cart

2.6 Constrains

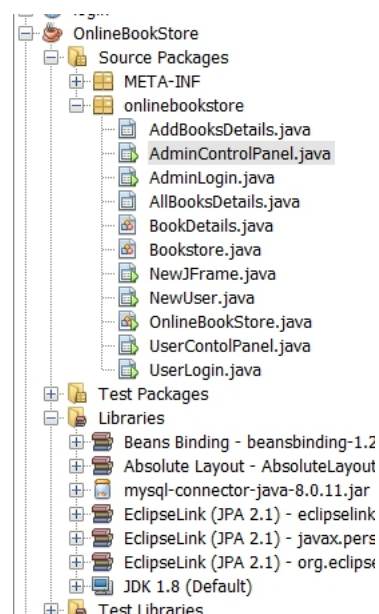
- ✧ Default Language will be English.
- ✧ Project should be finished within deadline.

2.7 Assumptions

- User has proper internet connection.
- User has an e-mail ID.

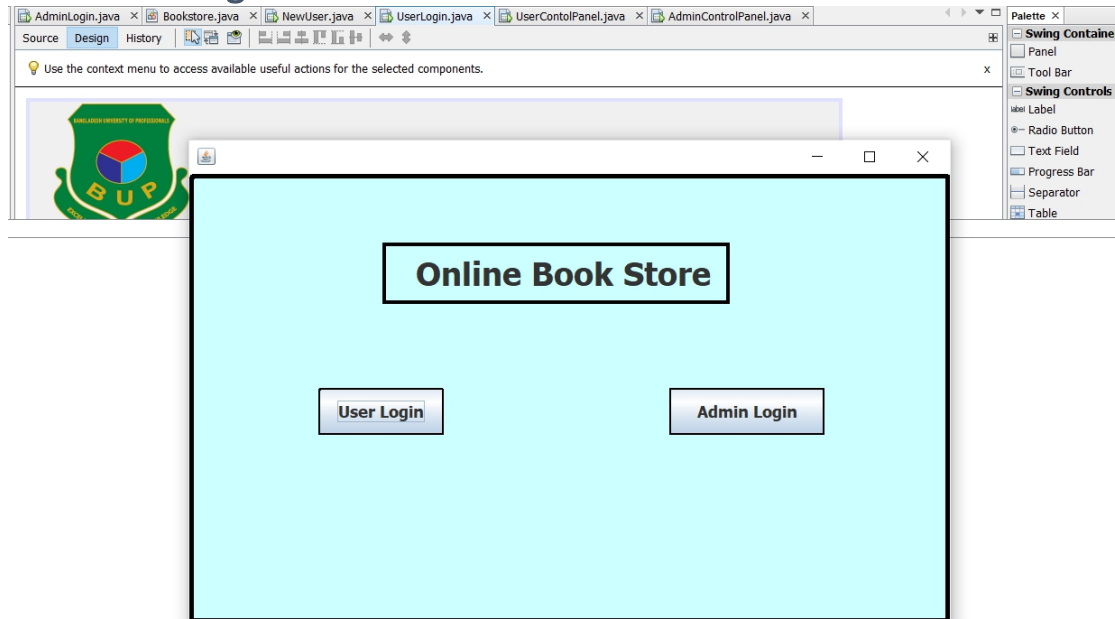
3.Input and Output Snapshots

3.A: Project Overview

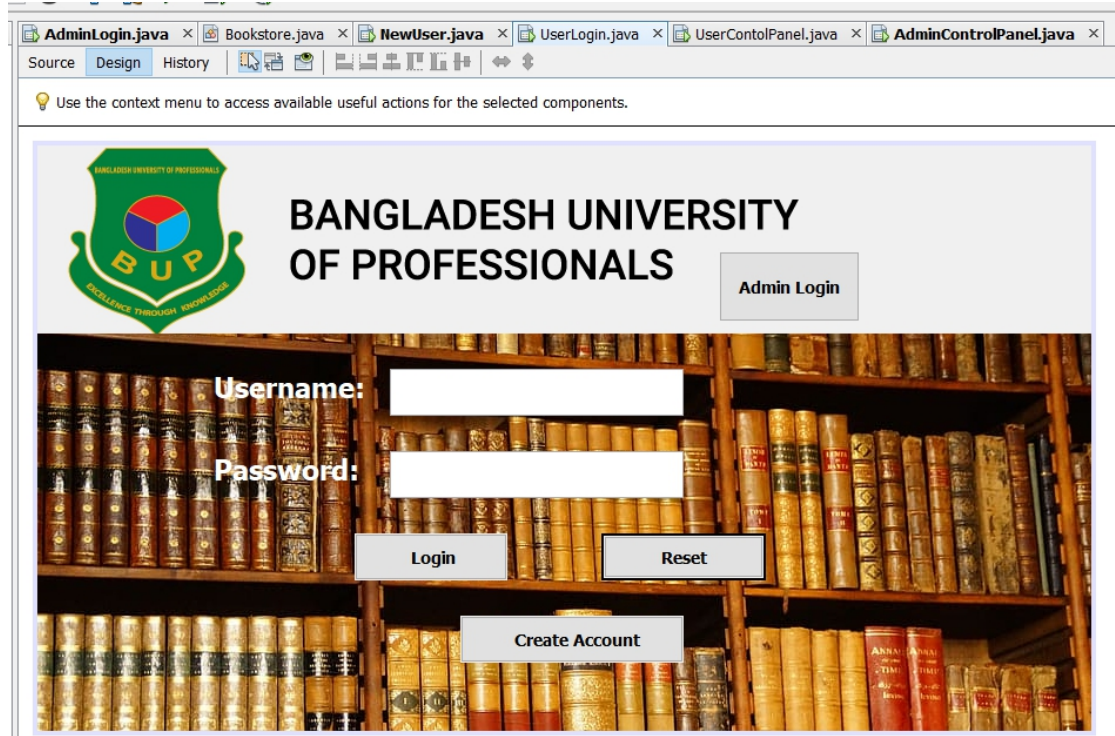


3.B: Output Snaps

3.B.1 User login



3.B.2 Login info



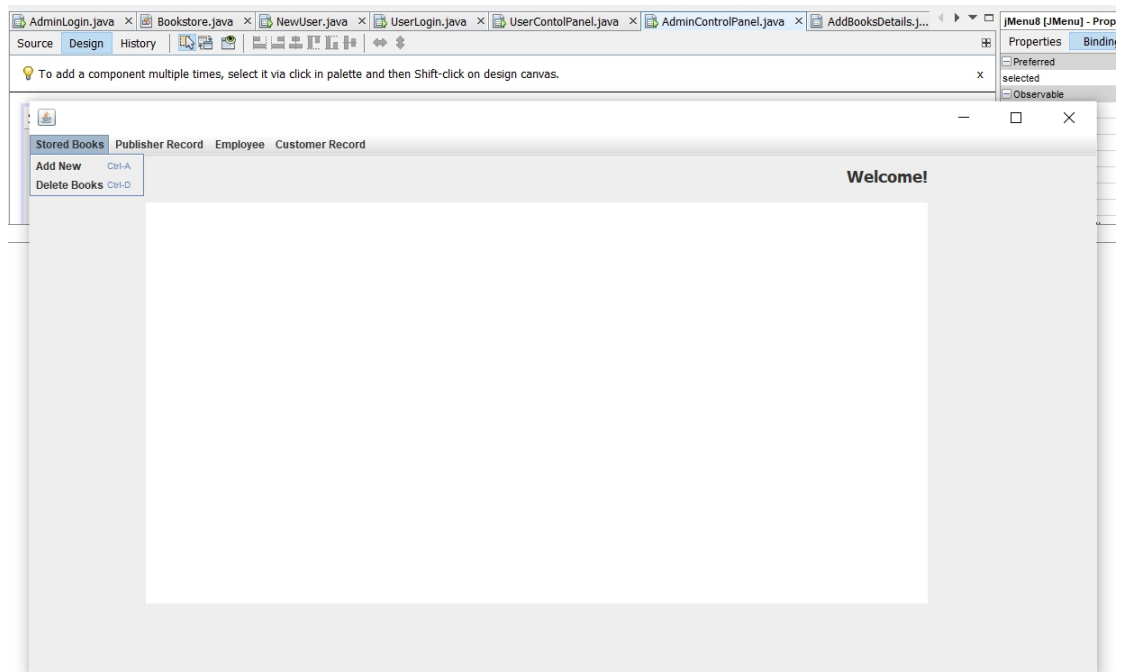
3.B.3 New user registration

The screenshot shows a Java IDE with several files open: AdminLogin.java, Bookstore.java, NewUser.java, UserLogin.java, UserContolPanel.java, and AdminControlPanel.java. The 'NewUser.java' file is active, displaying a 'New User Registration' form. The form has a title 'New User Registration' in bold. It contains five input fields: 'Firstname', 'Lastname', 'Username', 'Password', and 'Email ID'. Below the input fields are three buttons: 'Register', 'Reset', and 'Already have an account? Sign in'.

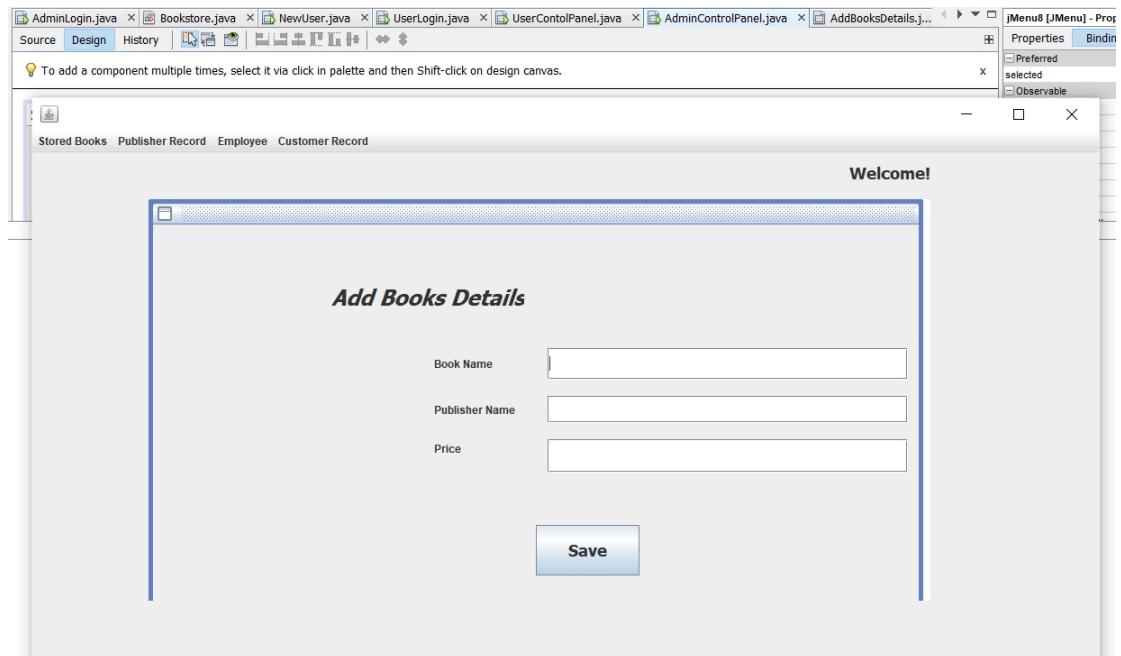
3.B.4 Admin Login

The screenshot shows a Java IDE with several files open: Start Page, InsertingRecords.java, OnlineBookStore.java, NewJFrame.java, UserLogin.java, AdminLogin.java, and NewUse.java. The 'AdminLogin.java' file is active, displaying an 'Admin Login' form. The form has a title 'Admin Login' in bold. It contains two input fields: 'Username:' and 'Password:'. Below the input fields are two buttons: 'Login' and 'Reset'. At the bottom of the form is a button labeled 'User Login'. The background of the form is a stack of old books.

3.B.5 Book store DB



3.B.6 Book Details



3. C: Data Base

3.C.1 Database Tables:

Server: 127.0.0.1:3325 » Database: busm

Structure SQL Search Query Export Import Operations Privileges Routines Events

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> admin_details	★ Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> book_details	★ Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> user_details	★ Browse Structure Search Insert Empty Drop	7	InnoDB	utf8mb4_general_ci	32.0 KiB	-
3 tables	Sum	11	InnoDB	utf8mb4_general_ci	64.0 KiB	0 B

3.C.2 Admin Details:

Server: 127.0.0.1:3325 » Database: busm » Table: admin_details

Browse Structure SQL Search Insert Export

✓ Showing rows 0 - 1 (2 total, Query took 0.0010 seconds.)

`SELECT * FROM `admin_details``

☐ Show all | Number of rows: 25 | Filter rows:

+ Options

				id	name	username	password
<input type="checkbox"/>	Edit	Copy	Delete	1	raisa	raisa	1234
<input type="checkbox"/>	Edit	Copy	Delete	2	mim	mim	123

3.C.3 Book Details:

Server: 127.0.0.1:3325 » Database: busm » Table: book_details

Browse Structure SQL Search Insert Export Import

✓ Showing rows 0 - 1 (2 total, Query took 0.0012 seconds.)

`SELECT * FROM `book_details``

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key:

+ Options

				id	bookname	publisher	price
<input type="checkbox"/>	Edit	Copy	Delete	1	Beginners guide to learn Programming	ABCD	2500
<input type="checkbox"/>	Edit	Copy	Delete	2	Learn Python	FYTJHB	3500

☐ Check all | With selected: Edit Copy Delete Export

3.C.4 User Details:

Server: 127.0.0.1:3325 » Database: busm » Table: user_details

Browse Structure SQL Search Insert Export Import Privileges Opera

✓ Showing rows 0 - 6 (7 total, Query took 0.0014 seconds.)

`SELECT * FROM `user_details``

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

					id	firstname	lastname	username	password	email_id
<input type="checkbox"/>	Edit	Copy	Delete		1	abc	ab	abc	1234	abc@gmail.com
<input type="checkbox"/>	Edit	Copy	Delete		2	abc	kod	ndk	123	snk@oaha.com
<input type="checkbox"/>	Edit	Copy	Delete		3	dbcmk	a mka	adnk	ajdj	ahkadl
<input type="checkbox"/>	Edit	Copy	Delete		4					
<input type="checkbox"/>	Edit	Copy	Delete		5	raisa	akter	raisa	1234	raisa@gmail.com
<input type="checkbox"/>	Edit	Copy	Delete		6	bonna	abc	bonna	1234	bonna@gmail.com
<input type="checkbox"/>	Edit	Copy	Delete		7	abhsi	ajhs	ansjs	anj	jsahbj@yahoo.com

☐ Check all | With selected: Edit Copy Delete Export

4.Source Code

NewJframe class:

```
package onlinebookstore;

public class NewJFrame extends javax.swing.JFrame {
    public NewJFrame() {
        initComponents();
    }
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
```

```

private void initComponents() {

    jPanel2 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jButton1 = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel2.setBackground(new java.awt.Color(204, 255, 255));
    jPanel2.setBorder(new javax.swing.border.LineBorder(new java.awt.Color(0, 0, 0), 5, true));
    jPanel2.setForeground(new java.awt.Color(51, 102, 255));
    jPanel2.setAlignmentX(5);
    jPanel2.setAlignmentY(5);

    jLabel1.setBackground(new java.awt.Color(204, 255, 255));
    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 36)); // NOI18N
    jLabel1.setText("Online Book Store");
    jLabel1.setToolTipText("");
    jLabel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0), 4));

    jButton1.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
    jButton1.setText("User Login");
    jButton1.setBorder(new javax.swing.border.LineBorder(new java.awt.Color(0, 0, 0), 2, true));
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });

    jButton2.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
    jButton2.setText("Admin Login");
    jButton2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0), 2));
    jButton2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton2ActionPerformed(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(20, 20, 20)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 385, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 150, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 150, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(20, Short.MAX_VALUE))
    );
}

```

```

        .addGroup(jPanel2Layout.createSequentialGroup())
        .addGap(138, 138, 138)
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 139,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 172,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(134, 134, 134))
    );
    jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup())
    .addGap(71, 71, 71)
    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 68,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(93, 93, 93)
    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.
Alignment.BASELINE)
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE,
52, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE,
52, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addContainerGap(203, Short.MAX_VALUE))
    );

    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

    pack();
} // </editor-fold>

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

    dispose();
    AdminLogin a = new AdminLogin();
    a.setLocationRelativeTo(null);
    a.setVisible(true); // TODO add your handling code here:
}

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

```

```

        dispose();
        UserLogin l = new UserLogin();
        l.setLocationRelativeTo(null);
l.setVisible(true);// TODO add your handling code here:
    }

    public static void main(String args[]) {
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new NewJFrame().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JPanel jPanel2;
    // End of variables declaration
}

```

AdminLogin class:

```

package onlinebookstore;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import javax.swing.JOptionPane;

public class AdminLogin extends javax.swing.JFrame {
    public AdminLogin() {
        initComponents();
    }
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        adminuserTF = new javax.swing.JTextField();
        adminpassPF = new javax.swing.JPasswordField();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
    }
}

```

```

jButton4 = new javax.swing.JButton();
jLabel1 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setLayout(null);

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("Username:");
jPanel1.add(jLabel3);
jLabel3.setBounds(150, 190, 140, 30);

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setText("Password:");
jPanel1.add(jLabel4);
jLabel4.setBounds(150, 260, 130, 30);

adminuserTF.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        adminuserTFActionPerformed(evt);
    }
});
jPanel1.add(adminuserTF);
adminuserTF.setBounds(300, 190, 250, 40);

adminpassPF.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        adminpassPFActionPerformed(evt);
    }
});
jPanel1.add(adminpassPF);
adminpassPF.setBounds(300, 260, 250, 40);

jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton1.setText(" Login");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});
jPanel1.add(jButton1);
jButton1.setBounds(270, 330, 130, 40);

jButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton2.setText("Reset");
jButton2.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0), 2));
jPanel1.add(jButton2);
jButton2.setBounds(480, 330, 140, 40);

jButton3.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N

```

```

jButton3.setForeground(new java.awt.Color(51, 51, 51));
jButton3.setText("Admin Login");
jPanel1.add(jButton3);
jButton3.setBounds(240, 40, 360, 50);

jButton4.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
jButton4.setText("User Login");
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});
jPanel1.add(jButton4);
jButton4.setBounds(340, 390, 200, 30);

jLabel1.setIcon(new javax.swing.ImageIcon("D:\\img\\admin.jpg")); // NOI18N
jPanel1.add(jLabel1);
jLabel1.setBounds(0, 0, 810, 480);

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 807,
Short.MAX_VALUE)
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 473,
Short.MAX_VALUE)
);

pack();
} // </editor-fold>

private void adminuserTFActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void adminpassPFActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

public void infoMessage(String msg, String title){

JOptionPane.showMessageDialog(null,msg,title,JOptionPane.INFORMATION_MESSAGE);
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String username = adminuserTF.getText();
    String password = adminpassPF.getText();

```

```

        try{
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3325/busm","root","");
            Statement stmt = con.createStatement();
            String selectQuery = "select * from admin_details where
username='"+username+"' and password='"+password+"'";
            Statement stat=con.createStatement();
            ResultSet rs=stat.executeQuery(selectQuery);

            if(rs.next()){

                // infoMessage("Welcome to our Online Book Store", "Alert");
                dispose();
                AdminControlPanel acp=new AdminControlPanel(username);
                acp.setLocationRelativeTo(null);
                acp.setVisible(true);

            }

            else{
                infoMessage("Not Valid User","Alert!");
                dispose();
                NewUser nu= new NewUser();
                nu.setLocationRelativeTo(null);
                nu.setVisible(true);
            }

        } catch(Exception e){
            System.out.println(e);
        }
    }

    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handispose();
        UserLogin l = new UserLogin();
        l.setLocationRelativeTo(null);
        l.setVisible(true);
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default
look and feel.
        * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
        */
        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(AdminLogin.class.getName()).log(java.util.logging
g.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(AdminLogin.class.getName()).log(java.util.logging
g.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(AdminLogin.class.getName()).log(java.util.logging
g.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(AdminLogin.class.getName()).log(java.util.logging
g.Level.SEVERE, null, ex);
    }
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new AdminLogin().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JPasswordField adminpassPF;
private javax.swing.JTextField adminuserTF;
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JPanel jPanel1;
// End of variables declaration
}

```

NewUser class:

```
/*
```



```

    * To change this license header, choose License Headers in Project Properties.
    * To change this template file, choose Tools | Templates
    * and open the template in the editor.
    */
package onlinebookstore;
import com.mysql.cj.protocol.ResultSet;
import java.sql.*;
import javax.swing.JOptionPane;
/**
 *
 * @author DELL
 */
public class NewUser extends javax.swing.JFrame {

    /**
     * Creates new form NewUser
     */
    public NewUser() {
        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();
        firstNameTF = new javax.swing.JTextField();
        jLabel3 = new javax.swing.JLabel();
        lastNameTF = new javax.swing.JTextField();
        jLabel4 = new javax.swing.JLabel();
        usernameTF = new javax.swing.JTextField();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        emailTF = new javax.swing.JTextField();
        passwordPF = new javax.swing.JPasswordField();
        registerBtn = new javax.swing.JButton();
        resetBtn = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jLabel1.setFont(new java.awt.Font("Tahoma", 3, 24)); // NOI18N
        jLabel1.setText("New User Registration");

        jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        jLabel2.setText("Firstname");

```

```

jLabel3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jLabel3.setText("Lastname");

jLabel4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jLabel4.setText("Username");

jLabel5.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jLabel5.setText("Password");

jLabel6.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jLabel6.setText("Email ID");

registerBtn.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
registerBtn.setText("Register");
registerBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        registerBtnActionPerformed(evt);
    }
});

resetBtn.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
resetBtn.setText("Reset");
resetBtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        resetBtnActionPerformed(evt);
    }
});

jButton3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
jButton3.setText("Already have an account? Sign in");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

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()
                .addComponent(jLabel6,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    78, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jLabel4,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    78, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jLabel12,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    78, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap()
            )
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(10, 10, 10)
                .addComponent(registerBtn,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    30, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(10, 10, 10)
                .addComponent(resetBtn,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    30, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(10, 10, 10)
                .addComponent(jButton3,
                    javax.swing.GroupLayout.PREFERRED_SIZE,
                    30, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap()
            )
        )
);

```

```

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELAT
ED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignm
ent.LEADING)
            .addComponent(registerBtn,
javax.swing.GroupLayout.PREFERRED_SIZE, 180, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(layout.createSequentialGroup()
                .addGap(6, 6, 6)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.LEADING)
                    .addComponent(usernameTF,
javax.swing.GroupLayout.PREFERRED_SIZE, 184, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(firstnameTF,
javax.swing.GroupLayout.PREFERRED_SIZE, 184, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(emailTF,
javax.swing.GroupLayout.PREFERRED_SIZE, 184,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGap(178, 178, 178)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignm
ent.LEADING)
                    .addComponent(resetBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
181, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(layout.createSequentialGroup()
                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.LEADING)
                            .addComponent(jLabel3)
                            .addComponent(jLabel5))
                        .addGap(30, 30, 30)
                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
t.Alignment.LEADING)
                            .addComponent(passwordPF,
javax.swing.GroupLayout.PREFERRED_SIZE, 158, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(lastnameTF,
javax.swing.GroupLayout.PREFERRED_SIZE, 158,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                    .addContainerGap(149, Short.MAX_VALUE))
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                        .addComponent(jLabel1)
                        .addGap(359, 359, 359))
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                        .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 456,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(258, 258, 258))
                );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()

```

```

        .addContainerGap(65, Short.MAX_VALUE)
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 42,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(86, 86, 86)
        .addGroup(layout.createParallelGroup.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                .addComponent(jLabel2)
                .addGap(7, 7, 7))
            .addGroup(layout.createParallelGroup.Alignment.BASELINE)
                .addComponent(firstnameTF,
javax.swing.GroupLayout.PREFERRED_SIZE, 47, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel3)
                .addComponent(lastnameTF,
javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(layout.createParallelGroup.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(62, 62, 62)
                .addGroup(layout.createParallelGroup.Alignment.BASELINE)
                    .addComponent(jLabel5)
                    .addComponent(passwordPF,
javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGroup(layout.createSequentialGroup()
                .addGap(46, 46, 46)
                .addGroup(layout.createParallelGroup.Alignment.BASELINE)
                    .addComponent(jLabel4)
                    .addComponent(usernameTF,
javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(26, 26, 26)
        .addGroup(layout.createParallelGroup.BASELINE)
            .addComponent(emailTF, javax.swing.GroupLayout.PREFERRED_SIZE,
40, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel6))
        .addGap(71, 71, 71)
        .addGroup(layout.createParallelGroup.BASELINE)
            .addComponent(registerBtn,
javax.swing.GroupLayout.PREFERRED_SIZE, 53, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(resetBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
53, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(30, 30, 30)
        .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 48,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap())

```

```

    );

    pack();
} // </editor-fold>

private void resetBtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

public void infoMessage(String msg, String title){
JOptionPane.showMessageDialog(null,msg,title,JOptionPane.INFORMATION_MESSAGE);
}

private void registerBtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String firstname = firstnameTF.getText();
    String lastname = lastnameTF.getText();
    String username = usernameTF.getText();
    String password = passwordPF.getText();
    String email = emailTF.getText();

    try{
        Class.forName("com.mysql.cj.jdbc.Driver");
        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3325/busm","root","");
        Statement stmt = con.createStatement();
        String select= "SELECT COUNT(*) FROM user_details WHERE
username='"+username+"' and password='"+password+"'";
        System.out.println(select);
        ResultSet rs= stmt.executeQuery(select);
        System.out.println(rs.next());
        if(rs.next()==true){
            infoMessage("Already Registration","Welcome!!");
        } else{
            String insert= "INSERT INTO user_details
VALUES(null,'"+firstname+"','"+lastname+"','"+username+"','"+password+"','"+email+"
');"";

            stmt.executeUpdate(insert);
            infoMessage("Info Inserted..Thanks","Alert!");
            dispose();
            UserLogin In= new UserLogin();
            In.setLocationRelativeTo(null);
            In.setVisible(true);

        }

    } catch(Exception e) {

```

```

        System.out.println(e);
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default
look and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    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(NewUser.class.getName()).log(java.util.logging.L
evel.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(NewUser.class.getName()).log(java.util.logging.L
evel.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(NewUser.class.getName()).log(java.util.logging.L
evel.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(NewUser.class.getName()).log(java.util.logging.L
evel.SEVERE, null, ex);
    }
    //</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new NewUser().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JTextField emailTF;

```

```

private javax.swing.JTextField firstnameTF;
private javax.swing.JButton jButton3;
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.JTextField lastnameTF;
private javax.swing.JPasswordField passwordPF;
private javax.swing.JButton registerBtn;
private javax.swing.JButton resetBtn;
private javax.swing.JTextField usernameTF;
// End of variables declaration
}

```

UserLogin class:

```

package onlinebookstore;
import java.sql.*;
import javax.swing.JOptionPane;

public class UserLogin extends javax.swing.JFrame {
    public UserLogin() {
        initComponents();
    }
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jButton1 = new javax.swing.JButton();
        jLabel5 = new javax.swing.JLabel();
        jButton2 = new javax.swing.JButton();
        usernameTF = new javax.swing.JTextField();
        jButton3 = new javax.swing.JButton();
        jLabel3 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        passwordPF = new javax.swing.JPasswordField();
        jButton5 = new javax.swing.JButton();
        jLabel1 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setLayout(null);

        jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jButton1.setText(" Login");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```

        jButton1ActionPerformed(evt);
    }
});
jPanel1.add(jButton1);
jButton1.setBounds(270, 330, 130, 40);

jLabel5.setBackground(new java.awt.Color(102, 255, 153));
jLabel5.setForeground(new java.awt.Color(255, 255, 255));
jLabel5.setIcon(new javax.swing.ImageIcon("D:\\img\\bup logo.jpg")); //
NOI18N
jPanel1.add(jLabel5);
jLabel5.setBounds(0, 0, 900, 160);

jButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton2.setText("Reset");
jButton2.setBorder(javax.swing.BorderFactory.createLineBorder(new
java.awt.Color(0, 0, 0), 2));
jPanel1.add(jButton2);
jButton2.setBounds(480, 330, 140, 40);

usernameTF.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        usernameTFActionPerformed(evt);
    }
});
jPanel1.add(usernameTF);
usernameTF.setBounds(300, 190, 250, 40);

jButton3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton3.setText(" Create Account");
jButton3.setActionCommand("Create Account");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});
jPanel1.add(jButton3);
jButton3.setBounds(360, 400, 190, 40);

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("Username:");
jPanel1.add(jLabel3);
jLabel3.setBounds(150, 190, 140, 30);

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("Password:");
jPanel1.add(jLabel2);
jLabel2.setBounds(150, 260, 130, 30);

passwordPF.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {

```



```

        passwordPFActionPerformed(evt);
    }
});
jPanel1.add(passwordPF);
passwordPF.setBounds(300, 260, 250, 40);

jButton5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton5.setText("Admin Login");
jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
    }
});
jPanel1.add(jButton5);
jButton5.setBounds(580, 90, 120, 60);

jLabel1.setIcon(new
javax.swing.ImageIcon("D:\\img\\library-reading-room-books-spine.jpg")); // NOI18N
jPanel1.add(jLabel1);
jLabel1.setBounds(0, 160, 900, 340);

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, 897,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE))
        );
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, 498,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE))
        );

pack();
} // </editor-fold>
public void infoMessage(String msg, String title){

JOptionPane.showMessageDialog(null,msg,title,JOptionPane.INFORMATION_MESSAGE);
}
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String username = usernameTF.getText();
    String password = passwordPF.getText();

    try{
        Class.forName("com.mysql.cj.jdbc.Driver");

```

```

        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3325/busm","root","");
        Statement stmt = con.createStatement();
        String selectQuery = "select * from user_details where
username='"+username+"' and password='"+password+"'";
        Statement stat=con.createStatement();
        ResultSet rs=stat.executeQuery(selectQuery);

        if(rs.next()){

            infoMessage("Welcome to our Online Book Store", "Alert");
            dispose();
            UserControlPanel ucp=new UserControlPanel(username);
            ucp.setLocationRelativeTo(null);
            ucp.setVisible(true);

        }
        else{
            infoMessage("Please Create New Account", "Alert!");
            dispose();
            NewUser nu= new NewUser();
            nu.setLocationRelativeTo(null);
            nu.setVisible(true);
        }

    } catch(Exception e) {
        System.out.println(e);
    }

}

private void usernameTFActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void passwordPFActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

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

    dispose();
    AdminLogin a = new AdminLogin();
    a.setLocationRelativeTo(null);
    a.setVisible(true);          // TODO add your handling code here:
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

```

```

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default
look and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    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(UserLogin.class.getName()).log(java.util.logging.
Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(UserLogin.class.getName()).log(java.util.logging.
Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(UserLogin.class.getName()).log(java.util.logging.
Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(UserLogin.class.getName()).log(java.util.logging.
Level.SEVERE, null, ex);
    }
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new UserLogin().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton5;

```

```

private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel5;
private javax.swing.JPanel jPanel1;
private javax.swing.JPasswordField passwordPF;
private javax.swing.JTextField usernameTF;
// End of variables declaration
}

```

UserContolPanel class:

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package onlinebookstore;

/**
 *
 * @author DELL
 */
public class UserContolPanel extends javax.swing.JFrame {

    /**
     * Creates new form UserContolPanel
     */
    String luser;
    public UserContolPanel() {

    }

    public UserContolPanel(String LoginUser){
        initComponents();
        this.luser=LoginUser;
        String getValue= jLabel1.getText();
        jLabel1.setText(getValue + " :"+ LoginUser);
    }

    /**
     * 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();

```

```

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N
jLabel1.setText("Welcome");

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()
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel1)
            .addGap(496, 496, 496))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel1)
            .addGap(496, 496, 496))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);

pack();
} // </editor-fold>

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default
look and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    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(UserContolPanel.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

```

```

java.util.logging.Logger.getLogger(UserContolPanel.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(UserContolPanel.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(UserContolPanel.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
    }
    //</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new UserContolPanel().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JLabel jLabel1;
// End of variables declaration
}

```

AdminController class:

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package onlinebookstore;

/**
 *
 * @author DELL
 */
public class AdminControlPanel extends javax.swing.JFrame {

    /**
     * Creates new form AdminControlPanel
     */
    String adminuser;
    public AdminControlPanel() {
        initComponents();
    }
    public AdminControlPanel(String auser) {

```

```

        initComponents();
        this.adminuser = auser;
        String getValue= jLabel1.getText();
        jLabel1.setText(getValue);
    }

    /**
     * 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();
        jLabel3 = new javax.swing.JLabel();
        jDesktopPanel1 = new javax.swing.JDesktopPane();
        JMenuBar2 = new javax.swing.JMenuBar();
        jMenu4 = new javax.swing.JMenu();
        jMenuItem2 = new javax.swing.JMenuItem();
        jMenuItem3 = new javax.swing.JMenuItem();
        jMenuItem1 = new javax.swing.JMenuItem();
        jMenu6 = new javax.swing.JMenu();
        jMenuItem6 = new javax.swing.JMenuItem();
        jMenuItem7 = new javax.swing.JMenuItem();
        jMenu7 = new javax.swing.JMenu();
        jMenuItem8 = new javax.swing.JMenuItem();
        jMenuItem9 = new javax.swing.JMenuItem();
        jMenuItem10 = new javax.swing.JMenuItem();
        jMenu8 = new javax.swing.JMenu();
        jMenuItem11 = new javax.swing.JMenuItem();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jLabel3.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
        jLabel3.setText("Welcome!");

        javax.swing.GroupLayout jDesktopPanel1Layout = new
        javax.swing.GroupLayout(jDesktopPanel1);
        jDesktopPanel1.setLayout(jDesktopPanel1Layout);
        jDesktopPanel1Layout.setHorizontalGroup(

        jDesktopPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jDesktopPanel1Layout.createSequentialGroup()
                .addGap(0, 868, Short.MAX_VALUE)
            )
        );
        jDesktopPanel1Layout.setVerticalGroup(

        jDesktopPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jDesktopPanel1Layout.createSequentialGroup()
                .addGap(0, 445, Short.MAX_VALUE)
            )
        );

        jMenu4.setText("Stored Books");
    }

```

```

jMenuItem2.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK_A, java.awt.event.InputEvent.CTRL_MASK));
jMenuItem2.setText("Add New");
jMenuItem2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItem2ActionPerformed(evt);
    }
});
jMenu4.add(jMenuItem2);

```

```

jMenuItem3.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK_D, java.awt.event.InputEvent.CTRL_MASK));
jMenuItem3.setText("Delete Books");
jMenu4.add(jMenuItem3);

```

```

jMenuItem1.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK_B, java.awt.event.InputEvent.CTRL_MASK));
jMenuItem1.setText("All Books Details");
jMenuItem1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItem1ActionPerformed(evt);
    }
});
jMenu4.add(jMenuItem1);

jMenuBar2.add(jMenu4);

jMenu6.setText("Publisher Record");

```

```

jMenuItem6.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK_W, java.awt.event.InputEvent.CTRL_MASK));
jMenuItem6.setText("Writer Name");
jMenu6.add(jMenuItem6);

```

```

jMenuItem7.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK_P, java.awt.event.InputEvent.SHIFT_MASK));
jMenuItem7.setText("Publisher Name");
jMenu6.add(jMenuItem7);

jMenuBar2.add(jMenu6);

jMenu7.setText("Employee");

```

```

jMenuItem8.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK_A, java.awt.event.InputEvent.SHIFT_MASK));
jMenuItem8.setText("Add New");

```



```

        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jLabel3)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGap(10, 10, 10)
                    .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                    .addGroup(layout.createSequentialGroup()
                        .addGap(10, 10, 10)
                        .addComponent(jDesktopPanel,
                            javax.swing.GroupLayout.PREFERRED_SIZE,
                                javax.swing.GroupLayout.PREFERRED_SIZE,
                                    javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(0, 59, Short.MAX_VALUE)))
                .addGap(10, 10, 10))
            .addContainerGap(10, true));

        pack();
    } // </editor-fold>

    private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        AddBooksDetails addb = new AddBooksDetails();
        jDesktopPanel.add(addb);
        addb.show();
    }

    private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        AllBooksDetails addb = new AllBooksDetails();
        jDesktopPanel.add(addb);
        addb.show();
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
        (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default
        look and feel.
         * For details see
        http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        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(Main.class).log(java.util.logging.Level.SEVERE,
                null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(Main.class).log(java.util.logging.Level.SEVERE,
                null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(Main.class).log(java.util.logging.Level.SEVERE,
                null, ex);
        }
    }
}

```

```

        }
    }
} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(AdminControlPanel.class.getName()).log(java.util.
logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(AdminControlPanel.class.getName()).log(java.util.
logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(AdminControlPanel.class.getName()).log(java.util.
logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(AdminControlPanel.class.getName()).log(java.util.
logging.Level.SEVERE, null, ex);
    }
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new AdminControlPanel().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JDesktopPane jDesktopPanel;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel3;
private javax.swing.JMenu jMenu4;
private javax.swing.JMenu jMenu6;
private javax.swing.JMenu jMenu7;
private javax.swing.JMenu jMenu8;
private javax.swing.JMenuBar jMenuBar2;
private javax.swing.JMenuItem jMenuItem1;
private javax.swing.JMenuItem jMenuItem10;
private javax.swing.JMenuItem jMenuItem11;
private javax.swing.JMenuItem jMenuItem2;
private javax.swing.JMenuItem jMenuItem3;
private javax.swing.JMenuItem jMenuItem6;
private javax.swing.JMenuItem jMenuItem7;
private javax.swing.JMenuItem jMenuItem8;
private javax.swing.JMenuItem jMenuItem9;
// End of variables declaration
}

```

AddBooksDetails.java

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package onlinebookstore;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import javax.swing.JOptionPane;

/**
 *
 * @author DELL
 */
public class AddBooksDetails extends javax.swing.JInternalFrame {

    /**
     * Creates new form AddBooksDetails
     */
    public AddBooksDetails() {
        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();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        booknameTF = new javax.swing.JTextField();
        publisherTF = new javax.swing.JTextField();
        priceTF = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();

        jLabel1.setFont(new java.awt.Font("Tahoma", 3, 24)); // NOI18N
        jLabel1.setText("Add Books Details");

        jLabel2.setText("Book Name");

        jLabel3.setText("Publisher Name");

        jLabel4.setText("Price");

```

```

publisherTF.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        publisherTFActionPerformed(evt);
    }
});

jButton1.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jButton1.setText("Save");
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(312, 312, 312)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE,
99, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE,
99, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE,
99, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(27, 27, 27)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(publisherTF)
                .addComponent(booknameTF)
                .addComponent(priceTF))
            .addGap(198, 198, 198)
            .addComponent(jLabel11)
            .addGap(438, 438, 438))
        .addGroup(layout.createSequentialGroup()
            .addGap(425, 425, 425)
            .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 115,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(66, 66, 66)
            .addComponent(jLabel11))
    );
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(66, 66, 66)
            .addComponent(jLabel11)

```

```

        .addGap(42, 42, 42)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(booknameTF,
                javax.swing.GroupLayout.PREFERRED_SIZE, 35, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 30, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jLabel3,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 30, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addComponent(jLabel4,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 33, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(layout.createSequentialGroup()
                .addComponent(publisherTF,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 30, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(priceTF,
                    javax.swing.GroupLayout.PREFERRED_SIZE, 37, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(58, 58, 58)
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 56, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(30, Short.MAX_VALUE))
    );

    pack();
} // </editor-fold>

private void publisherTFActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

public void infoMessage(String msg, String title){
    JOptionPane.showMessageDialog(null, msg, title, JOptionPane.INFORMATION_MESSAGE);
}

public void clearTextField() {
    booknameTF.setText("");
    publisherTF.setText("");
    priceTF.setText("");
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String booknameD = booknameTF.getText();
    String publisherD = publisherTF.getText();
    String priceD = priceTF.getText();
    try{
        Class.forName("com.mysql.cj.jdbc.Driver");
    }
}

```

```

        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3325/busm","root","");
        Statement stmt = con.createStatement();
        String select= "SELECT COUNT(*) FROM book_details WHERE
bookname='"+booknameD+"'+' ";
        ResultSet rs= stmt.executeQuery(select);
        System.out.println(rs.next());
        if(rs.next()==true){
            infoMessage("Already Info Added","Create fresh entry!!");
            clearTextField();
        } else{
            String insert= "INSERT INTO user_details
VALUES(null,'"+booknameD+"','"+publisherD+"','"+priceD+"');";
            stmt.executeUpdate(insert);
            infoMessage("Book Details Added","Great Work!");
            clearTextField();
        }
    } catch(Exception e){
        System.out.println(e);
    }
}

// Variables declaration - do not modify
private javax.swing.JTextField booknameTF;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JTextField priceTF;
private javax.swing.JTextField publisherTF;
// End of variables declaration
}

```

AllBooksDetails class:

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package onlinebookstore;

/**
 *
 * @author DELL
 */
public class AllBooksDetails extends javax.swing.JInternalFrame {

```

```

/**
 * Creates new form AllBooksDetails
 */
public AllBooksDetails() {
    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() {
    bindingGroup = new org.jdesktop.beansbinding.BindingGroup();

    busmPUEntityManager = java.beans.Beans.isDesignTime() ? null :
javax.persistence.Persistence.createEntityManagerFactory("busmPU").createEntityMana
ger();
    bookDetailsQuery = java.beans.Beans.isDesignTime() ? null :
busmPUEntityManager.createQuery("SELECT b FROM BookDetails b");
    bookDetailsList = java.beans.Beans.isDesignTime() ?
java.util.Collections.emptyList() : bookDetailsQuery.getResultList();
    bookDetailsQuery1 = java.beans.Beans.isDesignTime() ? null :
busmPUEntityManager.createQuery("SELECT b FROM BookDetails b");
    bookDetailsList1 = java.beans.Beans.isDesignTime() ?
java.util.Collections.emptyList() : bookDetailsQuery1.getResultList();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTable1 = new javax.swing.JTable();

    setDefaultCloseOperation(true);
    setDefaultCloseOperation(true);
    setTitle("All Books Details");
    setToolTipText("");

    org.jdesktop.swingbinding.JTableBinding jTableBinding =
org.jdesktop.swingbinding.SwingBindings.createJTableBinding(org.jdesktop.beansbindi
ng.AutoBinding.UpdateStrategy.READ_WRITE, bookDetailsList1, jTable1);
    org.jdesktop.swingbinding.JTableBinding.ColumnBinding columnBinding =
jTableBinding.addColumnBinding(org.jdesktop.beansbinding.ELProperty.create("${price}
"));
    columnBinding.setColumnName("Price");
    columnBinding.setColumnClass(Integer.class);
    columnBinding =
jTableBinding.addColumnBinding(org.jdesktop.beansbinding.ELProperty.create("${publi
sher}"));
    columnBinding.setColumnName("Publisher");
    columnBinding.setColumnClass(Integer.class);
    columnBinding =
jTableBinding.addColumnBinding(org.jdesktop.beansbinding.ELProperty.create("${bookn
ame}"));
    columnBinding.setColumnName("Bookname");

```



```

        columnBinding.setColumnClass(Integer.class);
        columnBinding =
jTableBinding.addColumnBinding(org.jdesktop.beansbinding.ELProperty.create("${id}"))
;
        columnBinding.setColumnName("Id");
        columnBinding.setColumnClass(Integer.class);
        bindingGroup.addBinding(jTableBinding);
        jTableBinding.bind();

jScrollPane1.setViewportViewView(jTable1);

        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(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
917, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(37, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGap(26, Short.MAX_VALUE)
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
352, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(79, 79, 79))
        );

        bindingGroup.bind();

        pack();
} // </editor-fold>

```

```

// Variables declaration - do not modify
private java.util.List<onlinebookstore.BookDetails> bookDetailsList;
private java.util.List<onlinebookstore.BookDetails> bookDetailsList1;
private javax.persistence.Query bookDetailsQuery;
private javax.persistence.Query bookDetailsQuery1;
private javax.persistence.EntityManager busmPUEntityManager;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
private org.jdesktop.beansbinding.BindingGroup bindingGroup;
// End of variables declaration
}

```

BookDetails class:

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package onlinebookstore;

import java.beans.PropertyChangeListener;
import java.beans.PropertyChangeSupport;
import java.io.Serializable;
import javax.persistence.Basic;
import javax.persistence.Column;
import javax.persistence.Entity;
import javax.persistence.Id;
import javax.persistence.NamedQueries;
import javax.persistence.NamedQuery;
import javax.persistence.Table;
import javax.persistence.Transient;

/**
 *
 * @author DELL
 */
@Entity
@Table(name = "book_details", catalog = "busm", schema = "")
@NamedQueries({
    @NamedQuery(name = "BookDetails.findAll", query = "SELECT b FROM BookDetails b")
    , @NamedQuery(name = "BookDetails.findById", query = "SELECT b FROM BookDetails b WHERE b.id = :id")
    , @NamedQuery(name = "BookDetails.findByBookname", query = "SELECT b FROM BookDetails b WHERE b.bookname = :bookname")
    , @NamedQuery(name = "BookDetails.findByPublisher", query = "SELECT b FROM BookDetails b WHERE b.publisher = :publisher")
    , @NamedQuery(name = "BookDetails.findByPrice", query = "SELECT b FROM BookDetails b WHERE b.price = :price"))
public class BookDetails implements Serializable {

    @Transient
    private PropertyChangeSupport changeSupport = new PropertyChangeSupport(this);

    private static final long serialVersionUID = 1L;
    @Id
    @Basic(optional = false)
    @Column(name = "id")
    private Integer id;
    @Basic(optional = false)
    @Column(name = "bookname")
    private int bookname;
    @Basic(optional = false)
    @Column(name = "publisher")
    private int publisher;
    @Basic(optional = false)
    @Column(name = "price")

```

```
private int price;

public BookDetails() {
}

public BookDetails(Integer id) {
    this.id = id;
}

public BookDetails(Integer id, int bookname, int publisher, int price) {
    this.id = id;
    this.bookname = bookname;
    this.publisher = publisher;
    this.price = price;
}

public Integer getId() {
    return id;
}

public void setId(Integer id) {
    Integer oldId = this.id;
    this.id = id;
    changeSupport.firePropertyChange("id", oldId, id);
}

public int getBookname() {
    return bookname;
}

public void setBookname(int bookname) {
    int oldBookname = this.bookname;
    this.bookname = bookname;
    changeSupport.firePropertyChange("bookname", oldBookname, bookname);
}

public int getPublisher() {
    return publisher;
}

public void setPublisher(int publisher) {
    int oldPublisher = this.publisher;
    this.publisher = publisher;
    changeSupport.firePropertyChange("publisher", oldPublisher, publisher);
}

public int getPrice() {
    return price;
}

public void setPrice(int price) {
    int oldPrice = this.price;
    this.price = price;
}
```

```

        changeSupport.firePropertyChange("price", oldPrice, price);
    }

    @Override
    public int hashCode() {
        int hash = 0;
        hash += (id != null ? id.hashCode() : 0);
        return hash;
    }

    @Override
    public boolean equals(Object object) {
        // TODO: Warning - this method won't work in the case the id fields are not set
        if (!(object instanceof BookDetails)) {
            return false;
        }
        BookDetails other = (BookDetails) object;
        if ((this.id == null && other.id != null) || (this.id != null
&& !this.id.equals(other.id))) {
            return false;
        }
        return true;
    }

    @Override
    public String toString() {
        return "onlinebookstore.BookDetails[ id=" + id + " ]";
    }

    public void addPropertyChangeListener(PropertyChangeListener listener) {
        changeSupport.addPropertyChangeListener(listener);
    }

    public void removePropertyChangeListener(PropertyChangeListener listener) {
        changeSupport.removePropertyChangeListener(listener);
    }
}

```