LOGIN PAGE:

import javax.swing.\*;

import java.awt. event.\*;

import java.awt.\*;

public class Librarian implements ActionListener

{

private static JLabel label;

private static JTextField a1;

private static JLabel password;

private static JPasswordField a2;

private static JButton button;

private static JLabel success;

public static void main(String[]args)

{

JFrame frame=new JFrame();

frame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

JPanel panel=new JPanel();

label=new JLabel("User");

label.setBounds(10,20,80,25);

label.setFont(new Font("times new roman", Font.ITALIC, 20));

panel.add(label);

a1= new JTextField (20);

a1.setBounds(100,20,165,25);

panel.add(a1);

password= new JLabel("Password"); // for the password label

password.setBounds(10,50,80,25);

password.setFont(new Font("times new roman", Font.ITALIC, 20));

panel.add(password);

a2= new JPasswordField (25);

a2.setBounds(100,50,165,25);

button=new JButton("Login");

button.addActionListener(new Librarian());

button.setBounds(10,80,80,25);

panel.add(button);

success=new JLabel(" ");

success.setBounds(10,110,300,25);

panel.add(success);

panel.add(a2);

frame.setSize(350,200);

panel.setLayout(null);

frame.add(panel);

frame.setVisible(true);

}

@Override

public void actionPerformed(ActionEvent e)

{

String user= a1.getText();

String pass= a2.getText();

if (user.equals("admin")&&pass.equals("admin"))

{

success.setText("login success");

new LibraryManagement();

}

}

}

MENU:

import javax.swing.\*;

import java.awt. event.\*;

import java.awt.\*;

public class LibraryManagement

{

LibraryManagement()

{

JFrame f=new JFrame();

JLabel l=new JLabel("LIBRARY MANAGEMENT SYSTEM");

l.setFont(new Font("times new roman", Font.BOLD, 30));

l.setBounds(225,100,700,100);

JButton b0=new JButton("View Book");

b0.setBounds(200,200,250,50);

b0.addActionListener(new ActionListener()

{

public void actionPerformed(ActionEvent e)

{

JFrame f=new JFrame();

JLabel l0=new JLabel("AVAILABLE BOOKS");

l0.setFont(new Font("times new roman", Font.BOLD, 25));

l0.setBounds(225,100,700,100);

f.add (l0);

f.setSize(1000,1000);

f.setLayout(null);

f.setVisible(true);

}

});

JButton b1=new JButton("View User");

b1.setBounds(200,300,250,50);

b1.addActionListener(new ActionListener()

{

public void actionPerformed(ActionEvent e)

{

JFrame f=new JFrame();

f.setSize(1000,1000);

f.setLayout(null);

f.setVisible(true);

}

});

JButton b2=new JButton("View Issued book");

b2.setBounds(200,400,250,50);

b2.addActionListener(new ActionListener()

{

public void actionPerformed(ActionEvent e)

{

JFrame f=new JFrame();

f.setSize(1000,1000);

f.setLayout(null);

f.setVisible(true);

}

});

JButton b3=new JButton("Issue Book");

b3.setBounds(200,500,250,50);

b3.addActionListener(new ActionListener()

{

public void actionPerformed(ActionEvent e)

{

JFrame f=new JFrame("ISSUE BOOK");

JLabel l1,l2,l3,l4,l5;

l1=new JLabel("ENTER DETAILS");

l1.setFont(new Font("times new roman",Font.BOLD,30));

l1.setBounds(150,50,500,50);

l2=new JLabel("BOOK ID:");

l2.setBounds(100,130,200,50);

l2.setFont(new Font("times new roman",Font.BOLD,20));

JTextField a1=new JTextField();

a1.setBounds(330,130,200,30);

l3=new JLabel("USER ID:");

l3.setBounds(100,200,200,50);

JTextField a2=new JTextField();

l3.setFont(new Font("times new roman",Font.BOLD,20));

a2.setBounds(330,200,200,30);

l4=new JLabel("PERIOD:");

l4.setBounds(100,270,200,50);

l4.setFont(new Font("times new roman",Font.BOLD,20));

JTextField a3=new JTextField();

a3.setBounds(330,270,200,30);

l5=new JLabel("ISSUE DATE:");

l5.setBounds(100,350,200,50);

l5.setFont(new Font("times new roman",Font.BOLD,20));

JTextField a4=new JTextField();

a4.setBounds(330,350,200,30);

JButton b=new JButton("SUBMIT");

b.setBounds(200,500,100,50);

f.add(b);

f.add(l1);

f.add(l2);f.add(l3);f.add(l4);f.add(l5);

f.add(a1);f.add(a2);f.add(a3);f.add(a4);

f.setSize(800,800);

f.setLayout(null);

f.setVisible(true);

}

});

JButton b4=new JButton("Add User");

b4.setBounds(500,200,250,50);

b4.addActionListener(new ActionListener()

{

public void actionPerformed(ActionEvent e)

{

JFrame f=new JFrame("Enter user details");

JLabel l1,l2;

l1=new JLabel("Username");

l1.setBounds(30,15,100,30);

l2=new JLabel("Password");

l2.setBounds(30,50,100,30);

JTextField a3=new JTextField();

a3.setBounds(110,15,200,30);

JPasswordField a4=new JPasswordField();

a4.setBounds(110, 50, 200, 30);

JRadioButton r1=new JRadioButton ("admin");

r1.setBounds(55,80,200,30);

JRadioButton r2=new JRadioButton ("user");

r2.setBounds(200,80,200,30);

ButtonGroup bg=new ButtonGroup();

bg.add(r1);bg.add(r2);

JButton c=new JButton("Create");

c.setBounds(130,130,80,25);

f.add(a3);

f.add(a4);

f.add(r1);

f.add(r2);

f.add(l1);

f.add(l2);

f.add(c);

f.setSize(350,200);

f.setLayout(null);

f.setVisible(true);

}

});

JButton b5=new JButton("Add Book");

b5.setBounds(500,300,250,50);

b5.addActionListener(new ActionListener()

{

public void actionPerformed(ActionEvent e)

{

JFrame f=new JFrame("ADD BOOK");

JLabel l1,l2,l3,l4,l5;

l1=new JLabel("ENTER BOOK DETAILS");

l1.setFont(new Font("times new roman",Font.BOLD,30));

l1.setBounds(150,50,500,50);

l2=new JLabel("BOOK NAME:");

l2.setBounds(100,130,200,50);

l2.setFont(new Font("times new roman",Font.BOLD,20));

JTextField a1=new JTextField();

a1.setBounds(330,130,200,30);

l3=new JLabel("AUTHOR:");

l3.setBounds(100,200,200,50);

JTextField a2=new JTextField();

l3.setFont(new Font("times new roman",Font.BOLD,20));

a2.setBounds(330,200,200,30);

l4=new JLabel("CATEGORY:");

l4.setBounds(100,270,200,50);

l4.setFont(new Font("times new roman",Font.BOLD,20));

JTextField a3=new JTextField();

a3.setBounds(330,270,200,30);

l5=new JLabel("PRICE:");

l5.setBounds(100,350,200,50);

l5.setFont(new Font("times new roman",Font.BOLD,20));

JTextField a4=new JTextField();

a4.setBounds(330,350,200,30);

JButton b=new JButton("SUBMIT");

b.setBounds(200,500,100,50);

f.add(b);

f.add(l1);

f.add(l2);f.add(l3);f.add(l4);f.add(l5);

f.add(a1);f.add(a2);f.add(a3);f.add(a4);

f.setSize(800,800);

f.setLayout(null);

f.setVisible(true);

}

});

JButton b6=new JButton("Return Book");

b6.setBounds(500,400,250,50);

b6.addActionListener(new ActionListener()

{

public void actionPerformed(ActionEvent e)

{

JFrame f=new JFrame();

JLabel l1,l2,l3;

l1=new JLabel("ENTER DETAILS");

l1.setFont(new Font("times new roman",Font.BOLD,30));

l1.setBounds(150,50,500,50);

l2=new JLabel("ISSUE ID:");

l2.setBounds(100,130,200,50);

l2.setFont(new Font("times new roman",Font.BOLD,20));

JTextField a1=new JTextField();

a1.setBounds(330,130,200,30);

l3=new JLabel("RETURN DATE:");

l3.setBounds(100,200,200,50);

l3.setFont(new Font("times new roman",Font.BOLD,20));

JTextField a2=new JTextField();

a2.setBounds(330,200,200,30);

JButton b=new JButton("RETURN");

b.setBounds(200,300,250,50);

f.add(l1);

f.add(l2);

f.add(l3);

f.add(a1);

f.add(a2);

f.add(b);

f.setSize(800,500);

f.setLayout(null);

f.setVisible(true);

}

});

JButton b7=new JButton("Create or Reset");

b7.setBounds(500,500,250,50);

b7.addActionListener(new ActionListener()

{

public void actionPerformed(ActionEvent e)

{

JFrame f=new JFrame();

f.setSize(1000,1000);

f.setLayout(null);

f.setVisible(true);

}

});

f.add(l);

f.add ( b0);

f.add ( b1);

f.add ( b2);

f.add ( b3);

f.add ( b4);

f.add ( b5);

f.add ( b6);

f.add ( b7);

f.setSize(1000,1000);

f.setLayout(null);

f.setVisible(true);

}

}