import java.awt.\*;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import javax.swing.\*;

class Account {

private String accountNumber;

private String accountHolderName;

private double balance;

public Account(String accountNumber, String accountHolderName, double balance) {

this.accountNumber = accountNumber;

this.accountHolderName = accountHolderName;

this.balance = balance;

}

public String getAccountNumber() {

return accountNumber;

}

public String getAccountHolderName() {

return accountHolderName;

}

public double getBalance() {

return balance;

}

public void deposit(double amount) {

balance += amount;

System.out.println("Deposited: " + amount);

}

public void withdraw(double amount) {

if (amount > balance) {

System.out.println("Insufficient balance!");

} else {

balance -= amount;

System.out.println("Withdrawn: " + amount);

}

}

}

class Bank {

private java.util.List<Account> accounts;

public Bank() {

accounts = new java.util.ArrayList<>();

}

public void addAccount(Account account) {

accounts.add(account);

System.out.println("Account added successfully!");

}

public void deposit(String accountNumber, double amount) {

Account account = getAccount(accountNumber);

if (account != null) {

account.deposit(amount);

System.out.println("New Balance: " + account.getBalance());

} else {

System.out.println("Account not found!");

}

}

public void withdraw(String accountNumber, double amount) {

Account account = getAccount(accountNumber);

if (account != null) {

account.withdraw(amount);

System.out.println("New Balance: " + account.getBalance());

} else {

System.out.println("Account not found!");

}

}

private Account getAccount(String accountNumber) {

for (Account account : accounts) {

if (account.getAccountNumber().equals(accountNumber)) {

return account;

}

}

return null;

}

}

public class BankManagementSystem implements ActionListener {

private Bank bank;

private JFrame frame;

private JTextField accountNumberField;

private JTextField amountField;

public BankManagementSystem() {

bank = new Bank();

// Creating some sample accounts

Account account1 = new Account("123456789", "Bhaiarvi patil", 1000);

Account account2 = new Account("987654321", "Rina mali", 500);

bank.addAccount(account1);

bank.addAccount(account2);

frame = new JFrame("Bank Management System");

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

// Creating components

JLabel accountNumberLabel = new JLabel("Account Number:");

accountNumberField = new JTextField(10);

JLabel amountLabel = new JLabel("Amount:");

amountField = new JTextField(10);

JButton depositButton = new JButton("Deposit");

JButton withdrawButton = new JButton("Withdraw");

// Adding components to the frame

frame.setLayout(new FlowLayout());

frame.add(accountNumberLabel);

frame.add(accountNumberField);

frame.add(amountLabel);

frame.add(amountField);

frame.add(depositButton);

frame.add(withdrawButton);

// Registering event listeners

depositButton.addActionListener(this);

withdrawButton.addActionListener(this);

// Displaying the frame

frame.pack();

frame.setVisible(true);

}

public void actionPerformed(ActionEvent e) {

String accountNumber = accountNumberField.getText();

double amount = Double.parseDouble(amountField.getText());

if (e.getActionCommand().equals("Deposit")) {

bank.deposit(accountNumber, amount);

} else if (e.getActionCommand().equals("Withdraw")) {

bank.withdraw(accountNumber, amount);

}

// Clearing the input fields

accountNumberField.setText("");

amountField.setText("");

}

public static void main(String[] args) {

SwingUtilities.invokeLater(new Runnable() {

public void run() {

new BankManagementSystem();

}

});

}

}

Output:- 