package com.collabera.atm;

import java.util.InputMismatchException;

import java.util.Scanner;

public class ATM{

double balance;

int AccountNo;

String customerName;

private Scanner scanner;

ATM(String cName,int accno ,double cbalance)throws InputMismatchException{

AccountNo=accno;

balance=cbalance;

customerName=cName;

}

void deposit(int amount) throws InputMismatchException

{

if(amount>0)

{

balance=balance+amount;

System.out.println("$"+amount+" is deposited successfully");

System.out.println("current balance:"+balance);

}

else {

System.out.println("invalid Input");

}

}

void withdraw(double amount)

{

if(amount>balance)

{

System.out.println("Invalid Input");

}else {

balance=balance-amount;

System.out.println("$"+amount+" is withdrawn successfully");

System.out.println("current balance:"+balance);

}

}

void showMenu() throws InputMismatchException {

try {

int option=0;

scanner = new Scanner(System.in);

System.out.println("Welcome "+customerName);

System.out.println("Enter Account Number: "+AccountNo);

System.out.println("\n");

System.out.println("1. Check Balance");

System.out.println("2. Deposit");

System.out.println("3. Withdraw");

System.out.println("4. Exit");

int x=1;

do {

if(x==1) {

System.out.println("Enter an option:");

option = scanner.nextInt();

System.out.println("\n");}

else {

System.out.println("Enter an option to continue or 4 to exit: ");

option = scanner.nextInt();

System.out.println("\n");

}

x=2;

switch(option) {

case 1:

System.out.println("Balance = "+balance);

System.out.println("\n");

break;

case 2:

System.out.println("Enter an amount to deposit:");

int amount = scanner.nextInt();

deposit(amount);

System.out.println("\n");

break;

case 3:

System.out.println("Enter an amount to withdraw");

int amount2 = scanner.nextInt();

withdraw(amount2);

System.out.println("\n");

break;

case 4:

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

break;

default:

System.out.println("Invalid option! Please try again");

break;

}

}while(option!=4);

System.out.println("Thankyou for using our service");

}catch(InputMismatchException e) {

System.out.println("invalid input");

}

}

}