// My Project on ATM Transaction System

package Task\_1;

import java.util.Scanner;

public class New\_Project {

private double balance;

// Constructor to initialize balance

public New\_Project(double initialBalance) {

this.balance = initialBalance;

}

// Method to check balance

public void checkBalance() {

System.***out***.println("Current balance: $" + balance);

}

// Method to deposit money

public void deposit(double amount) {

if (amount > 0) {

balance += amount;

System.***out***.println("Successfully deposited $" + amount);

} else {

System.***out***.println("Invalid deposit amount!");

}

}

// Method to withdraw money

public void withdraw(double amount) {

if (amount > 0 && amount <= balance) {

balance -= amount;

System.***out***.println("Successfully withdrew $" + amount);

} else {

System.***out***.println("Invalid withdrawal amount or insufficient balance!");

}

}

// ATM Menu

public void showMenu() {

Scanner scanner = new Scanner(System.***in***);

boolean exit = false;

while (!exit) {

System.***out***.println("\nATM Menu:");

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

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

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

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

System.***out***.print("Choose an option: ");

int choice = scanner.nextInt();

switch (choice) {

case 1:

checkBalance();

break;

case 2:

System.***out***.print("Enter deposit amount: ");

double depositAmount = scanner.nextDouble();

deposit(depositAmount);

break;

case 3:

System.***out***.print("Enter withdrawal amount: ");

double withdrawAmount = scanner.nextDouble();

withdraw(withdrawAmount);

break;

case 4:

exit = true;

System.***out***.println("Thank you for using the ATM. Goodbye!");

break;

default:

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

}

}

scanner.close();

}

public static void main(String[] args) {

New\_Project atm = new New\_Project(1000); // Initialize ATM with $1000 balance

atm.showMenu();

}

}

**OUTPUT:**

ATM Menu:

1. Check Balance

2. Deposit

3. Withdraw

4. Exit

Choose an option: 3

Enter withdrawal amount: 10,000

Invalid withdrawal amount or insufficient balance!