LAB211 Assignment

Type: Short Assignment Code: J1.S.H205

LOC: 60 Slot(s): 1

Title

Banking Account

Background

N/A

Program Specifications

A company has written a large class BankingAccount with many methods including:

Method/Constructor	Description
<pre>public BankingAccount(Startup s)</pre>	constructs a BankingAccount object using information in the Startup object s
<pre>public void debit(Debit d)</pre>	records the given debit
<pre>public void credit(Credit c)</pre>	records the given credit
<pre>public int getBalance()</pre>	returns current balance in pennies

Design a new class MinMaxAccount whose instances can be used in place of a BankingAccount object but include new behavior of remembering the minimum and maximum balances ever recorded for the account. You should provide the same methods as the superclass, as well as the following new behavior:

Method/Constructor	Description
<pre>public MinMaxAccount(Startup s)</pre>	constructs a MinMaxAccount object using information in the Startup object s
<pre>public int getMin()</pre>	returns minimum balance in pennies
<pre>public int getMax()</pre>	returns maximum balance in pennies

The account's constructor sets the initial balance based on the startup information. Assume that only the debit and credit methods change an account's balance.