

Chapter 7 – In Class Assignment

Problem

A bank teller needs a system to keep track of a single bank account. He needs a system that allows her to deposit cash or checks, withdraw funds, write a check, view the balance, and view all previous balances. Writing a check incurs a \$0.25 charge. Overdraft charges are \$25 for any transaction that leaves a negative balance. The teller should not be able to directly change the account balance. There should also be a name associated with the account and an initial balance when the account is created.

Questions

Do you see an “object” that we can model? What name do you want to give this class?

Try to separate the “problem” from the “object”. What sorts of things should the object keep track of (what are its properties)? List these variables, their data type, and whether they are public or private.

What “behaviors” should this object have? List the full signature for each of these methods.

What will the constructor do? List the full signature.

Now, solve the problem using your class. What will main do? It will create an account and then...(use back of sheet)