CSSE220 In-Class Activity - Analyze the Problem Statement

To Do: 1. Do TODO #1, #2, #3, and #4 (below) 2. Turn this in when completed	Name: _____ CM: _____ Name: _____ CM: _____

Problem Statement

A particular company keeps a variety of different accounts for its projects. Each account has an account number and a balance. When a deposit or withdrawal occurs, the transaction occurs immediately, and the current balance should be updated. The system should support getting the current balance.

The system should also support getting the balance as it existed at any date/time in the past. Note the input historical date/time may not correspond to a particular transaction time - e.g., if the system had a balance of $1 at 1 p.m. and then was changed to $2 at 3 p.m., a request for the balance at 2 p.m. should return $1.

To Do #1
Identify all the *primary nouns* in the Problem Statement (above). A primary noun *has* other nouns associated with it.

For example, "Employee has a name, age, address" - here, the *primary noun* is Employee, and the *other nouns* are name age, and address

Primary Noun List:
1. _____ _____
2. _____ _____
3. _____ _____
4. _____ _____

To Do #2
For each primary noun listed in To Do #1 (above), write down its associated *other nouns* - write these down in the second column above next to the corresponding primary noun. For the example above, *name, age,* and *address* would be placed in the second column.

To Do #3
Identify all the *verbs* in the Problem Statement.

Verb List:
1. _____ _____
2. _____ _____
3. _____ _____
4. _____ _____
5. _____ _____
6. _____ _____

To Do #4
For each verb in To Do #3, identify all the *nouns (Primary and/or other)* in the Problem Statement that the verb works on - write these nouns down in the second column above next to the corresponding verb.