

# README :

This ATM design project is for Zewei Chen's Cisco interview.

## A. Classes:

1. Bank: The centralized system, which allows a client to open an account and doing business with this bank. It stores all the client's information in its database. It also knows if a client has logged into any ATM, to prevent this account gets accessed from multiple ATMs simultaneously. Finally, it validates account credentials when the bank's ATMs make any requests.
2. ATM: One ATM can only work with one bank. It requires a client to login before making any functional requests, and logout the ATM when finishes. ATM collects user data, then sends request to bank system, it will either receive a success confirmation or exception message from bank system.
3. Account: Stores a client's information. Updates the balance property when making a deposit or withdraw.
4. Client: Simulates a user, which has basic information, such as Social Security Number and Name.

## B. UML :

