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Final class project

CS521

My console app is an ATM app. Like a modern ATM, it takes inputs for *Check Balance, Withdraw, Deposit* and allows user to exit. ATM have become very popular over the years because of it features and allows customer to avoid long lines at the bank. Because of my years working at a bank I decided to create an atm app since I had dealt with the machine in the past.

Including the main program, my apps have a total of six files (atm\_main.py, atm\_systems.py, Transactions.py, accounts\_info.py, deposit\_tran.txt and withdrawl.txt). atm\_main.py source file contains codes that displays what the customer sees when they first walk up an ATM machine. The screen will first display a welcome message then ask for customer id. If the id is incorrect, it will keep asking until the right id is entered. To test this, I added two ids to represent two existing customers; ‘0’ for Steve ‘1’ for Michel.

The atm\_systems.py source file contains the class Atm and several methods. The methods are invoked whenever the user selects an option. For instance, if either Steve or Michel were to select option 1 to check balance. The option\_1 method from Atm class would run. The same would occur for other methods.

The account\_info.py source file contains setters and getters for ids, balance. It also contains withdraw and deposit method for that class. I felt for sake of being organize and have some sort of flow withdraw and deposit methods will be best suited for the Account class.

Generally, client information is contained in a database where they can be updated and access. Since I have not had any experience in that field yet, I created four functions in the Transaction.py source file. Both withdraw and deposit functions takes the inputs from customer and stores it in their respective file (deposit\_tran.txt, withdraw\_tran.txt). Withdraw\_net.py and deposit\_net.py will access the elements in the deposit\_tran.txt and withdraw\_tran.txt files and sums them up. This way is client Steve were to access their balance again it would show they previous balance minus withdraws and deposits made in the pass.

There’s a lot I could go into to explain the usefulness of an ATM application. But I choose not too because if you compare the traffic in consumer banks prior to ATMs versus now. You will see the benefits of these machines and their usefulness. These are some of the reasons I decide on my ATM app.