**Homework 3A**

**Due October 31**

Write a synchronized application for a bank account that allows two threads to deposit/withdraw from one instance of account. Each thread will have three transactions: deposit $25, withdraw $50, and withdraw $50 (in that order).

The Account object will have methods deposit, withdraw, and printBalance, as well as a constructor. The withdraw method will print “Insufficient Funds” if there is not enough money for the withdrawal.

Turn in Account.java (the object to be shared), Transaction.java (the thread), TransactionTest.java (the main program) as one zip file.

Transaction.java will be like ProcessingThread, needs constructors, this is where we implement runnable and needs the run() function

Account.java will be like MyData, needs constructors, will have 3 functions that do the stuff specified in the hw

TransactionTest, the main program, like ThreadSafety. Doesn’t need a constructor bc it’s where the main function in, needs 3 threads 1 for each of the 3 transactions (deposit, withdraw, withdraw), needs executor service, then you need the executor service to execute those 3 threads, and then shut down the executor service, not sure if we need that taskEnded part