README

For this project, I have finished all the tasks. The following is to explain my code structure.

There is a **PublicAccount** class in my code. It is used to keep track of the account for each test case. It will be initialized and destroyed for each test case. (Using @before and @after annotated.)

The **CommonTest.java** contains some basic and shared test cases, such as setting up the starting balance and checking the balance methods. This way we do not need to duplicate the same methods.

The **CashDespositTest.java** and the **CashWithdrawTest.java** contains all the test methods for cash deposit and cash withdrawal.

For the **CheckBalanceTest**, they are covered in the **CommonTest.java**. So I did not write an additional class.

As you can in the exception packages, I defined all the Account exceptions. When there is a problem when you deposit or withdraw, it will throw a corresponding exception. The test code will verify it by using the following way.

```
@Then("^a withdraw exceed balance limit exception occurs$")
public void a_withdraw_exceed_balance_limit_exception_occurs() {
    assertTrue(PublicAccount.account.getLastException() instanceof WithdrawExceedBalanceException);
}
```

When you execute the test cases, the logs are outputted amount the Cucumber outputs. The format is like this:

```
    Scenario Outline: Withdraw cash failure for more than $500 in a single 24-hour period [90m# cash_wi
      [32mGiven [0m[32m[1m1000.00[0m[32m in my account[0m
      [32mWhen [0m[32mI withdraw $[0m[32m[1m510[0m
      [32mThen [0m[32ma withdraw exceed amount limit exception occurs[0m
Exception Message: The withdraw amount exceeds withdraw max amount in last 24 hours

    Scenario Outline: Withdraw cash failure for more than $500 in a single 24-hour period [90m# cash_wi
      [32mGiven [0m[32m[1m2000.00[0m[32m in my account[0m
      [32mWhen [0m[32mI withdraw $[0m[32m[1m600[0m
      [32mThen [0m[32ma withdraw exceed amount limit exception occurs[0m
Exception Message: The withdraw amount exceeds withdraw max amount in last 24 hours
```

Please check my code to find more. If you have any questions regarding my code, please drop me an email. jbao2@wpi.edu