

Template Modifications

The template was very heavily modified, as we could not properly implement the example/template to work with our code (due to issues regarding Scanner type). Our runAndTest method has been modified to accept only strings and string lists data types. The individual parameters have also been edited to accept terminal input, the expected terminal tail, the expected output list and a valid account list.

We removed the section of the template that compares expected outputs against actual outputs, and placed them into a separate methods named compareOutputConsole and compareOutputFile.

These methods are accessed through our catch statements, with compareOutputFile only being called if a specific test creates a transaction summary file. Additionally, the getFileFromResource method was replaced by a more understandable and better suited custom method fileToStringArray.

Moreover, we modified the new file code segment to create 2 new files (one for transaction summary file and one for valid account list) within the runAndTest method. The valid account list file will serve as a placeholder in the event that a test does not require a specific valid account list.

Lastly, we removed all instances of ByteArray streams as we found it was more beneficial to directly use PrintStreams. With this, our method incorporated code injection into a copied, editable version of our frontEnd.java. this enabled us to feed data directly into our class, as the template gave rise to many problems that would take too long to debug.

Failure Report

Test Name	What is it testing?	How was the output wrong?	Error in code	Changes to program
R3T1	Can log out after logging in	Output file missing a prompt	None	Added a line to output file
All R17 and R19	Withdraw and transfer	Output file required new line between account number and amount	None	Added Newline to input files
R11T3	Cant use account number directly after creating it	Only gave 1 account input when it needed 2	None	Added a valid accounts file for the test containing one valid account used in updated input file
R8T1	Exceeding daily deposit limit in atm mode	Amount was successfully deposited beyond 5000	Wrong string	Replaced WDR with DEP for checking daily total