

CMPE 327

Assignment 3: Frontend Testing

Jordan Mack - 20005220
Connor Crowe - 20009994
Michael Briggs - 20013906
Sasanka Wickramasinghe - 10192504

During the implementation of testing program into our frontend program (given to us by GitHub: **vacer25**), we ran into some issues. These issues primarily being testing implementation issues (our frontend was statically importing files as opposed to accepting them as arguments) more errors arose from our frontend not outputting console errors, so this is another problem that needed to be addressed.

The alternate script-based approach was used as documented on GitHub. Initially our test cases were setup to run and output the results to a file. We needed to modify our test case structure to further separate each test, along with adding console outputs to the frontend app. This included renaming our folder structure to match that of the testing program (ex: *RxTy*)

Failure Report

Test Name	Test Number	Tested	Nature of Failure	Actions
Transfer Arguments	R7T1	Transfer Limit	No persistent variable to keep track of amount moved	Created variable and placed check statements through code
Delete Accounts	R4T1	Delete Account	No functionality to actually delete account	Added output to delete specified account

As problems were addressed in the frontend more errors stemmed from the fixes (minor errors). Eventually the group got all test cases to pass (transaction outputs as well as console outputs)

Terminal output (shown below):

```
Running: python ../src/frontend.py valid_accounts.txt ./R7/T4/R7T4.out.actual.txt
Status: Passed
===== COMPLETED ALL TESTS =====
Took:    0:00:03.348056
Ran:     27
Skipped: 0
Passed:  27 = 100%
Failed:  0

C:\Users\jorda\Documents\University\Fourth Year\Fall\CMPE 327\KoalityAssured\src_test>
```

Figure 1: Terminal output of the 27 test cases succeeding.