**Assignment 1: Testing**

**By: Matthew, Neil and Daljit**

**Test Plan**

Our test are neatly organized into a test directory. in this directory, there is a directory for each possible bank transaction(login, paybill, transfer, ...). In each of transaction directory there is a directory for each test. For example for the Transfer transaction, there is a transfer directory and in that directory, there is directory for the test to check if admin login works.

Tests/

├── Transfer

├── admin\_transfer

│ ├── commandlineResult.txt

│ ├── result.txt

│ └── test.txt

Ex.1

The tests will be executed with a bash script, it iterate over all the test, and executed the frontend with the test file, the compares the output files and if there is a difference it is logged. the log file will be stored in its own directory, each log file with have the timestamp of when the test started in the file name. The format for the log file is

name\_of\_test Testing: Started

name\_of\_test result.txt: status

error of result.txt, if any

name\_of\_test commandlineResult.txt: status

error of commandlineResult.txt, if any

name\_of\_test Testing: complete

Ex.2:

admin\_transfer Testing: Started

admin\_transfer Result: Failure

1,3c1,6 < 10 00000 00000.00 A < 05 Nick 00010 04000.00 < 00 00000 00000.00 A --- > 10 00001 00000.00 A > 02 00001 05000.00 A > 02 Neil 00006 05000.00 S > 00 00001 00000.00 A > 10 Neil 00006 00000.00 S > 00 Neil 00006 00000.00 S

admin\_transfer Command Line Result: Success

admin\_transfer Testing: Complete

This format show what portion of the test fail, and the output shows where the file is different.