Failure logs Every function

#	Test case	Failure	Error in code	Action
	Every test case	Missing transaction file	Write file not implemented	Implement write file function
Lo	ogin (10)			
#	Test case	Failure	Error in code	Action
001	Login as an admin Login as a standard user	After logging in, script would not stop	Program does not exit causing infinite loop because of missing quit/exit command and read accounts did not work properly	Added exit at end of logout and fixed read account function
004	User attempts to enter an invalid command	Incorrect output	Missing output, no newline, different output	Added missing output, newlines in program, change output to correct output
005	User tries to login after being logged in			
003	User enters an invalid name	Program in an infinite loop	Input file did not have quit command	Added quit command to inputfile
006	Attempt commands other than login before logging in	Program in an infinite loop output incorrect	Input file did not have quit commands input command did not match command list	Added quit command to inputfile change program so input command matches
				command list
007	A standard user attempts privileged commands	Program in an infinite loop	input file did not login properly	Fixed input file to properly login

Logout (00)

#	Test case	Failure	Error in code	Action
001	Logout as a standard user	After logging in, script would not stop	Program does not exit causing infinite loop	Added exit at end of logout
002	Logout as an admin	Incorrect output	Missing output, no newline, different output	Added missing output, newlines in program and changed output

Withdrawal (01)

	Withdrawal (01)	,		T
#	Scenario	Failure	Error in code	Action
001	Standard user withdraws a valid amount User attempts to withdraw an invalid	Not taking numbers as inputs output file missing outputs	Directly assigning integers with cin	Change from cin to getline added missing outputs to output file
	amount			
002	User attempts to withdraw more than 500.00 from their account	Different output files	Output file missing outputs and output file inconsistent with other output files	Added missing output to output file and changed output file to match other output files
003	User attempts to withdraw more than 500.00 in one day but separately	output missing trailing zeros for decimal and dollar sign	Output line is not formatted to allow 2 decimal place output and is missing a dollar sign	Change from cout to printf to allow formatting and added dollar sign
005	User attempts to withdraw from an account that does not belong to them	Program in an infinite loop	Input file inputting wrong values	Changed value in input file to correct value
006	User attempts to withdraw from an invalid account	Different outputs	Output files missing outputs, and output files have different outputs	Added missing outputs and changed outputs to matching outputs
007	User attempts to withdraw more than the amount currently in their account			
800	User attempts to withdraw from a disabled account			
009	User attempts to withdraw their entire balance			
010	Admin withdraws from an account			
011	User attempts to withdraw an amount not evenly divisible by 5			

Transfer (02)

#	Test case	Failure	Error in code	Action
001	User transfers a valid amount of fund from one account to	Different outputs	Output file missing lines	Added missing output to output files
	another	Transaction did not complete, program stopped mid way	Code did not contain proper try catch block	implemented proper try catch block
002	Admin transfers a valid amount of fund from one account to	Input error	Input file missing logout, also contain output	Removed output from input file, added logout
	another	Different output	actual output contain infinite loop, output file	Added logout to stop infinite loop, added
003	User transfers an amount greater than 1000.00		missing lines	missing lines in output file
004	User transfers from an invalid account	Different outputs	Output file missing outputs, and output file has different outputs	Added missing outputs and change the outputs in the output file
005	User transfers to an invalid account		r	7.7.7
006	User transfers to a disable account			
800	User transfers their entire balance			
007	User transfers more than 1000.00 in one day but separately	Transaction failed	Account has insufficient funds because current account file contains less that inputted amount	Changed the test case inorder for the test work with the amount in the accounts file
009	Admin transfer entire balance	Different outputs	Output file is missing outputs	Added missing outputs

Paybill (03)

#	Scenario	Failure	Error in code	Action
001	User pays a bill	Different outputs	Output file missing outputs, value missing decimals	Added missing outputs, and decimals to output file
		Different transaction files	Expected transaction file did not account for fees	added transaction fee to expected transaction file
002	User pays a bill without sufficient funds	Different outputs	Output file missing outputs, value missing decimals, output file has different outputs	Added missing outputs to output file, added decimals, and change the differnt outputs in the output file
004	User pays a bill using an invalid account	Program looped infinitely	Call to paybill failed in the code, getting invalid account used an input method that caused errors.	Std::cin changed to std::getline.
005	Standard user pays a bill using more then 2000.00	Different output	Current accounts file did not contain an account which had 2000.00 dollars	Added an entry in the accounts file to accomodate the test case.
800	Admin pays a bill using an entire account balance			

Deposit (04)

#	Scenario	Failure	Error in code	Action
002	User deposits an invalid amount	Program hangs	Reading a string into a floating point screws up when using std::cin.	Std::cin changed to std::getline. Input parsed to a float.
003	User deposits into an invalid account		_	
004	User deposits into a disabled account	Transaction successful	Check in code for disabled accounts did not go through	Restructured the if statement structure
005	User deposits an amount that causes their account to become negative	Different outputs, transaction goes through	Code did not check for negative values	Added in a condition to check for negative values

Create (05)

#	Scenario	Failure	Error in code	Action
002	Creating an account with no name	Program hangs	Cin causes the program to go into an infinite loop	Change cin to getline
003	Create an account with a name too long (exceeding 20 characters)	Different output file	Output file missing lines, output file has different outputs	Added missing outputs, change outputs to correct outputs
004	Create an account with a name that contains invalid characters			
005	Create an account with no balance	Different output	Output file has different outputs	Change the output file outputs
006	Create an account with an invalid balance	Transaction fails	Input does not throw when letters are found for number input	Added new variable to detect if letters are in input
007	Create an account with a balance exceeding maximum amount	Transaction passes	Used equal or greater than	Changed to just greater than

Delete (06)

#	Scenario	Failure	Error in code	Action
002	Delete an non- existing person's account	Out of range	Try catch block not catching out of range	Specify the catch to catch out of range
003	Delete an account number that does not exist			

Disable (07)

#	Scenario	Failure	Error in code	Action
001	Disable an account as an admin	Program stopped before test finished	read_accounts() preserved trailing whitespaces	Function to trim strings of whitespaces created and applied to account names during reading.
002	Enter an invalid account holder's name	Program hanged	Std::cin inputting a string into a float causes std::cin to stop working	Changed from std::cin to std::getline.
003	Enter an invalid account number			

Enable (09)

#	Scenario	Failure	Error in code	Action
001	Enable an account as an admin Enter an invalid account holder's name	Program stopped before test finished	read_accounts() preserved trailing whitespaces	Function to trim strings of whitespaces created and applied to account names during reading.
003	Enter an invalid account number	Program hanged	Std::cin inputting a string into a float causes std::cin to stop working	Changed from std::cin to std::getline.