

Failure Table - Transfer Method (Statement coverage)

Test Case ID	Expected Output	Actual Output	Issues Description	Fix
TC1	Succeed	Succeed	N/A	N/A
TC2	Fails: logs "ERROR: Balance Violation Error: Insufficient balance"	Logs "ERROR: Balance Violation Error: Insufficient balance"	N/A	N/A
TC3	Fails: logs "ERROR: Account Violation Error: Account does not exist"	Logged : "ERROR: Account Violation Error: Account does not exist" multiple times	Method loops through all accounts and logs an error for each account that does not match.	Fixed code so it only logs once if an account is not present.
TC4	Fails: logs "Transfer Limit Violation"	[Nothing]	Error in code logic preventing standard transfer from running.	Fixed code error, and successfully have it doing what is intended.
TC5	Fails: logs "Balance Violation Error"	Logged: "ERROR: Transfer Limit Violation: Standard user cannot	N/A	N/A

		transfer above \$1000"		
TC6	Succeed	Succeed	N/A	N/A
TC7	Fails: logs "ERROR: Account Violation Error: Account does not exist"	Fails: logs "ERROR: Account Violation Error: Account does not exist"	N/A	N/A

Failure Table - Withdrawal Method (Decision and loop coverage)

Test Case ID	Expected Output	Actual Output	Issues Description	Fix
LC1	Logs "Account Violation Error: Account does not exist" (no matching account)	Logs "ERROR: Account Violation Error: Account does not exist"	The loop logs an error multiple times if there is no match for the account number.	Fix code to ensure the error logs only once, not for each iteration. Add a break statement once an account is not found.
DC1	Succeed (withdrawal allowed, sufficient balance)	Succeed (withdrawal processed successfully)	N/A	N/A
DC2	Logs "Balance Violation Error: Insufficient balance" if balance is low	Logs "ERROR: Balance Violation Error: Insufficient balance"	N/A	N/A
DC3	Logs "Withdrawal Limit Violation: Standard user	Logs "ERROR: Withdrawal Limit Violation:	N/A	N/A

	cannot withdraw above \$1000"	Standard user cannot withdraw above \$1000"		
LC2	Succeed (standard user withdrawal within limit)	Succeed (withdrawal processed successfully)	N/A	N/A
DC4	Logs "Account Violation Error: Account does not exist" (if account is missing for a standard user)	Logs "ERROR: Account Violation Error: Account does not exist"	N/A	N/A