

## Failure Table

Test Name	What it was testing	How output was wrong	Error in code	Change in program
All Tests	Every feature	Missing many output lines	Program was not properly processing inputs from files (input from console was okay). Specifically, was capturing the end of line character as input from the file	Added a line after grabbing inputs to cut off the last character in the input, to cut off the end of line character.
All Tests	Every feature	Output file was not bitwise equal to expected output files because of different encodings	None	None, but expected output files were changed
Create3	Name truncation on account creation	Account names were not being truncated at all.	Used the resize function of the string.	Assigned the name string to be the substring of the name string's first 20 characters.
All Delete	Deleting an account	Ouput missing	Delete feature was not previously implemented	Delete feature implemented
Deposit4, Transfer4, Withdrawal 10, PayBill 5	Checking input for negative numbers	Ouput included the negative transaction	Negative check was missing	Added extra if statements to cover negative numbers.
Deposit10, Withdrawal 6, Transfer6	Checking for going over maximum limit in mulitple transactions	Output allowed all transactions	Was not updating the sessionamount variables on successful transactions.	Added lines to update the variables properly
Deposit11	Checking for having just enough funds to cover the transaction	Program did not allow the transaction, so output lines were missing	Rounding error caused the program to think there were not enough funds in the account.	Used setprecision and typecasting to fix rounding issue.
Deposit12, PayBill15, Transfer12	Checking for malformed number entry (not in the form of #####.##)	Program allowed inputs with non valid number entries. Extra output lines.	Program was not properly checking for correct number formats.	Check to see if the third last character is a period.
All PayBill	Paying bills	PayBill transactions were not writing to output	Program was incorrectly checking	Boolean expression for comparing

			against real companies, calling real companies invalid.	input to proper companies was fixed.
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