

Software Quality Project: Phase 6

0xdeadbeef

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Frontend: Laser Street Racer (Pat Smuk)

Backend: HardWater (Jason Runzer)

Integration Defect Report

Front End Defects

Description	Problem	Solution
Transfer transaction had missing information	The back end expected source/destination information in transfer transactions (not in specification).	Modify front end to add hints to transfer transactions.

Back End Defects

Description	Problem	Solution
Account Files not dynamic	The current and master accounts were not allowed to be changed from their defaults.	Accepted command line argument args[0] for master and args[1] for the current accounts file.
Backend Merges transaction files.	The back end was not suppose to merge the transaction files.	Removed the merging of the transaction files in a directory and made it accept the merged transaction file from args[2]
Company CQ was not allowed.	Typo of CP when checking if the company exists instead of CQ	Corrected typo from CP to CQ

Transfer to clean out funds was not allowed.	Using a double for the funds was the problem due to rounding error.	Changed the funds to an integer and changed the math accordingly.
Daily Limits were not in the back end, so when multiple front ends were run, the daily limit was not considered for paybill transfer and withdrawal.	Misunderstood requirements for the back end.	Added limit variables to account, and checked against the limits when performing withdrawal, paybill and transfer.