

Integration Defect Report

Frontend - Santiago Bonada's from Big-Club

Backend - Daniel Hope's from HackerSoft

Issue	Component	Description	Fix
Master Accounts File format	Master Accounts file	Master accounts file and output files in the backend was using underscores instead of spaces	Changed output format to use spaces
Constraints checking	TransactionHandler in backend	TransactionHandler was not checking constraints, resulting in possibilities of negative account balances	Added constraint checking for transactions in the HandleTransactions() function
Transaction file parsing	Transaction Files from frontend	Transaction files from the frontend had a loose format where the miscellaneous information was non-existent in some transactions causing parse issues	Added default values to transactions outputted from the frontend so that transactions that didn't have misc information were still full length
Account indexing	CurrentData.java and TransactionHandler.java in backend	Accounts were being held in an arraylist structure and the accountID was being accessed using the position in the array. There were accounts with IDs larger than the size of the array.	Changed data structure from array list to hashmap.