

## Integration Defect Report

Problem		Solution
Front End	Did not take in an argument for creating an output file.	Added program logic in main to take in a third command-line argument, and changed the constructors accordingly.
Back End	Did not take in any command-line arguments.	Added program logic in main to take in command-line arguments, and implemented them into the constructor for Controller.
Front End	Create method would only read in a single string for username.	Changed the cin to getline.
Back End	Delete command was not working correctly: - was accidentally comparing the entire transaction string detail to only the username - was not deleting events from deleted accounts	1. Changed the function to TRN() to getUsername() instead. 2. Added a check to make sure that events from deleted users were also removed.
Front End	Add credit command was saving the new total credit to output instead of only the credit added.	Made sure correct number was being saved to the output file.
Back End	Buy (04) command was not saving to tickets file and events correctly.	- Fixed a bug in the program logic for when a user buys multiple tickets from different events in succession. - Checked and fixed mathematical operations for manipulating tickets and credits from buyer and seller. - Made sure that sold out events get deleted and saved correctly to the output.
Back End	Some transactions were being ignored.	Fixed incorrect program logic, another tiny bug where a boolean (sameDTF) was not reset.
Front End	Trivial: event names with spaces give an error message even though it works.	Added cin.ignore before the getline.
Front End	Could not login with usernames that have spaces.	Changed cin to getline.