

Tables of Results

Driver Class

Method	Functions that Test it	Results
main()	createTest()	

Executor Class

Note: Some test functions test multiple methods. Also, executeTransaction() is the method that has full loop and branch coverage

Method	Functions that Test it	Results
executeTransaction()	loopCoverageTest() branchCoverageTest() createTest() deleteTest() sellTest() refundTest() addCreditTest() buyTest()	Error (overflow)
logoff()	buyTest()	Error (overflow)
create()	createTest()	Error (overflow)
delete()	deleteTest()	Error (overflow)
sell()	sellTest()	Error (overflow)
buy ()	buyTest()	Error (overflow)
addbuy()	buyTest()	Error (overflow)
refund()	refundTest()	Error (overflow)
addCredit()	addCreditTest()	Error (overflow)
findUser()	createTest()	Error (overflow)
findTicket()	buyTest()	Error (overflow)

Parser Class

Method	Functions that Test it	Results
requestTickets()	requestTicketsTest()	No error
requestUsers()	requestUsersTest()	No error
parseTickets()	parseTicketsTest()	No error
parseAccounts()	parseAccountsTest()	No error
accountsToString()	accountsToStringTest()	No error
ticketsToString()	ticketsToStringTest()	No error

Verifier Class

Method	Functions that Test it	Results
verifyTickets()	verifyTicketsTest()	No error
verifyAccounts()	verifyAccountsTest()	No error

SystemIO Class

Method	Functions that Test it	Results
appendOutput()	appendOutputTest()	Success, no error, no failure
fileToArray()	fileToArrayTest()	Success, no error, no failure
arrayToTicketArray()	fileToArrayTest()	Success, no error, no failure
arrayToUserArray()	fileToArrayTest()	Success, no error, no failure
ticketArrayToString()	ticketArrayToStringTest()	Success, no error, no failure
userArrayToString()	userArrayToStringTest()	Success, no error, no failure
outputTicketFile()	outputTicketFileTest()	Success, no error, no failure
outputUserFile()	outputUserFileTest()	Success, no error, no failure
writeTo()	outputTicketFileTest() outputUserFileTest()	Success, no error, no failure

Table of Failures

Executor Class

Method	Functions that Test it	Results
executeTransaction()	loopCoverageTest() branchCoverageTest() createTest() deleteTest() sellTest() refundTest() addCreditTest() buyTest()	Error (overflow)
logoff()	buyTest()	Error (overflow)
create()	createTest()	Error (overflow)
delete()	deleteTest()	Error (overflow)
sell()	sellTest()	Error (overflow)
buy ()	buyTest()	Error (overflow)
addbuy()	buyTest()	Error (overflow)
refund()	refundTest()	Error (overflow)
addCredit()	addCreditTest()	Error (overflow)
findUser()	createTest()	Error (overflow)
findTicket()	buyTest()	Error (overflow)

The failed assertions are due to genData() requiring sufficient input data to be generated in order to pass the asserts in each test. Theoretically, when genData() is fixed, test cases should work.