

Class	Method	Explanation
Backend	main	main entry point for the program
Parser	parser	constructor of Parser
Parser	readUserFile	reads user file, creates a map of users
Parser	readItemFile	reads item file creates a map of items
Parser	readMergedTransactionFile	reads transaction file, creates a Transaction which is then processed
Parser	clearTransactionFile	clears the transaction file
Parser	writeAccounts	writes to a temporary file gets renamed on success to the userAccountsFile
Parser	writeItems	writes to a temporary file gets renamed on success to the itemsFile
User	User	constructor
User	getName	returns name as string
User	getType	returns type as string
User	getFunds	returns funds as double
User	setFunds	takes in double value for new funds
User	userFileString	returns string of the user for the file in proper format
Item	item	constructor
Item	getName	returns name of item as String
Item	getOwner	returns seller name as String
Item	getHighestBid	returns current highest bid as double
Item	getHighestBidder	returns name of highest bidder as String
Item	setHighestBidder	sets highest bidder name and value
Item	itemFileString	returns string of the item for the file in proper format
TransactionProcessor	TransactionProcessor	constructor, initializes the values
TransactionProcessor	create	handles create logic
TransactionProcessor	delete	handles delete logic
TransactionProcessor	advertise	handles advertise logic
TransactionProcessor	bid	handles bid logic
TransactionProcessor	refund	handles refund logic
TransactionProcessor	addCredit	handles addCredit logic
TransactionProcessor	processTransaction	handles the logic, decides which function to call