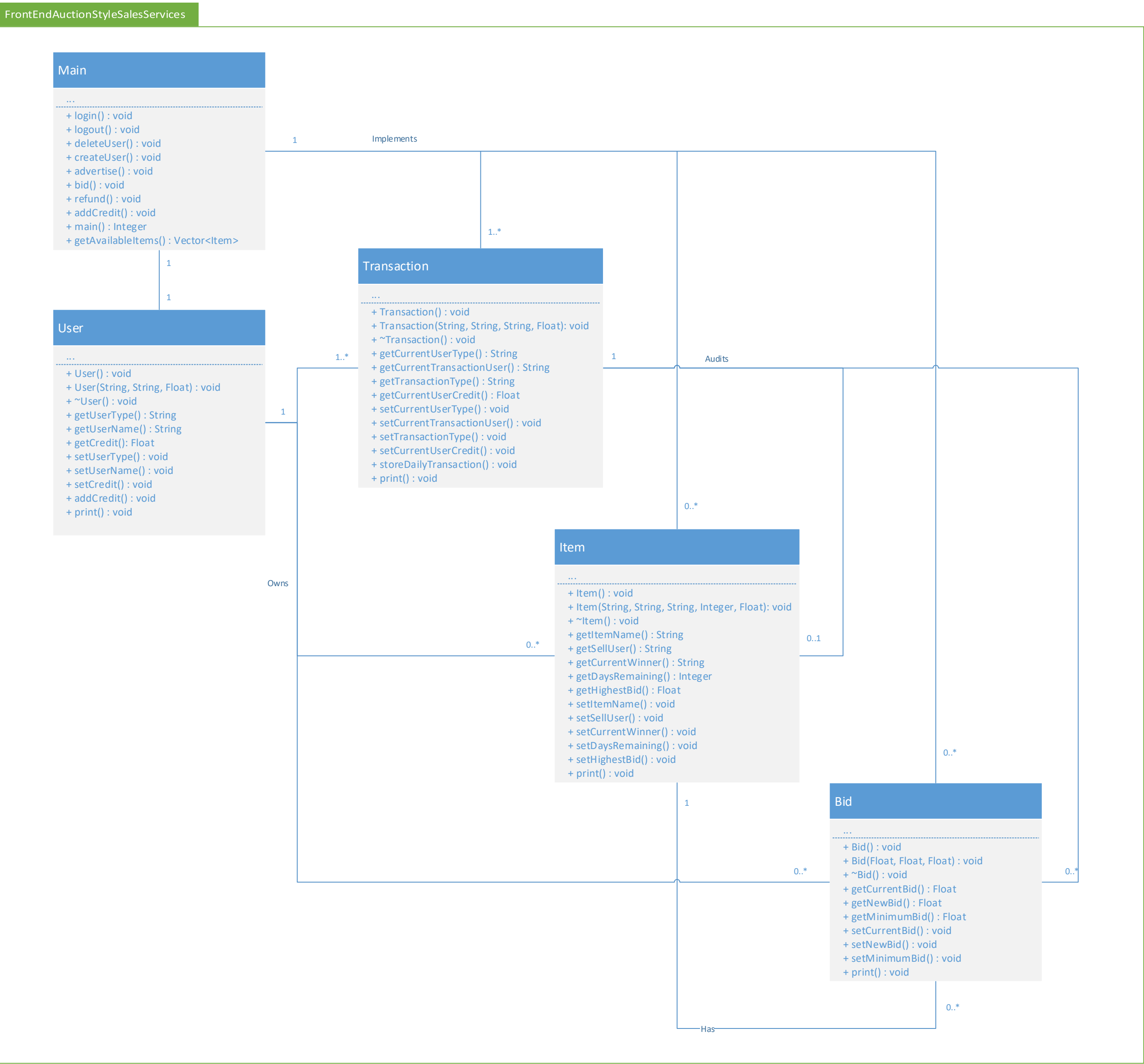
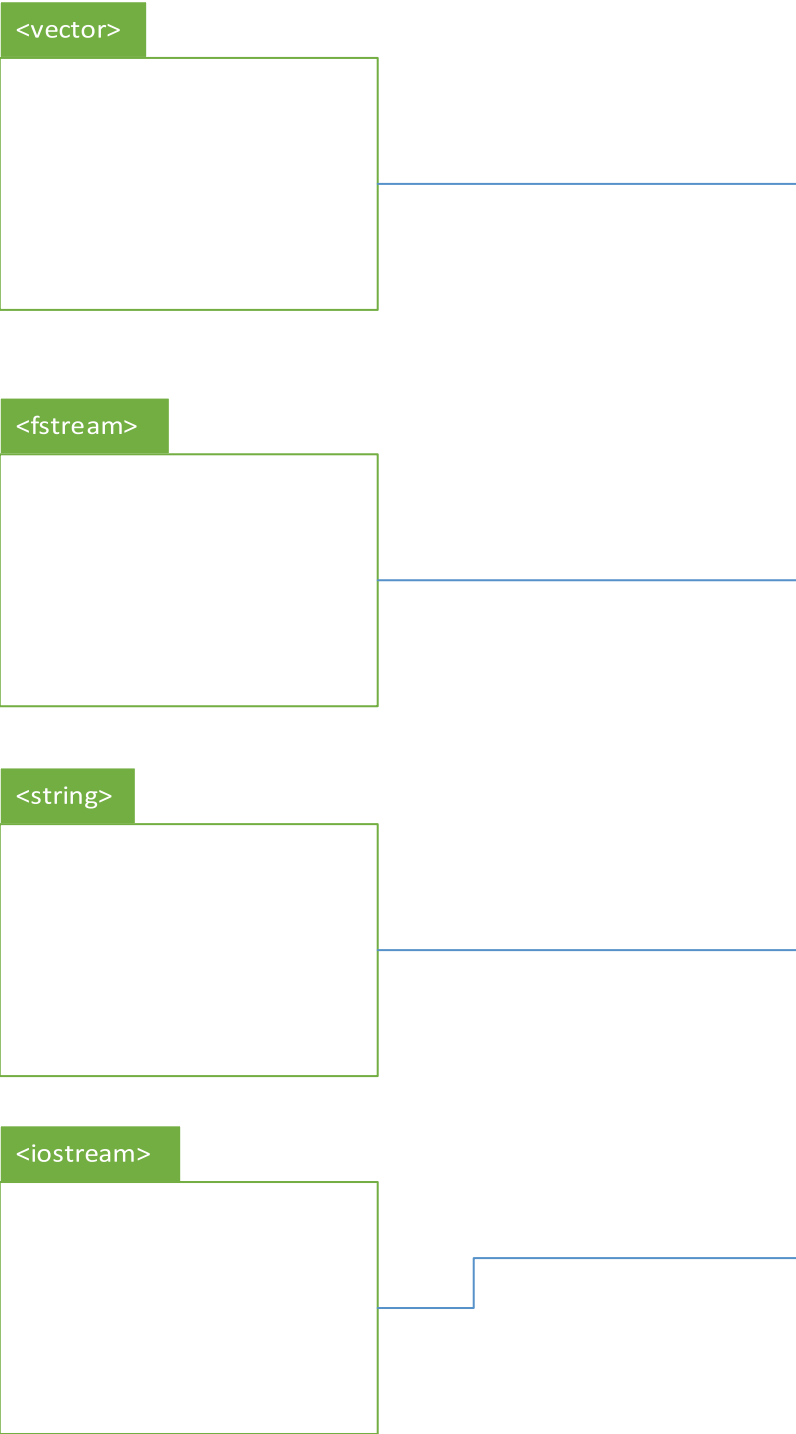


# UML CLASS DIAGRAM



# Function Descriptions

Classes	Methods	Description
Main	login(string currentUser)	Logs in user.
	logout()	Logs out user.
	deleteUser()	Delete's user if privileged account is logged in.
	createUser()	Creates user if privileged account is logged in.
	advertise()	Puts up item for auction.
	bid()	Processes bids for an item.
	refund()	Refunds credits from buyers to seller accounts
	addCredit()	Adds credit to the user account.
	main(int argc, char cons *argv[])	Main process for running program.
Bid	Bid()	Default constructor for empty bid.
	Bid(float cB, float nB, float mnB)	Constructor to create bid object.
	~bid()	Destructor for bid objects.
	getCurrentBid()	Returns value for current bid.
	getNewBid()	Returns value for New bid.
	getMinimumBid()	Returns value for Minimum bid.
	setCurrentBid(float cB)	Sets value for current bid.
	setNewBid(float nB)	Sets value for new bid.
	setMinimumBid(float mnB)	Sets value for minimum bid.
	print()	Prints attributes of bid.
Item	Item()	Default constructor for empty item.
	Item(string iN, string sellU, string cW, int dR, float hB)	Constructor to create item object.
	~item()	Destructor for item objects.
	getItemName()	Returns value for item name.
	getSellUser()	Returns value for sell user.
	getCurrentWinner()	Returns value for current winner.
	getDaysRemaining()	Returns value for days remaining.
	getHighestBid()	Returns value for highest bid.
	setItemName(string iN)	Sets value for item name.
	setSellUser(string sellU)	Sets value for sell user.

	setCurrentWinner(string cW)	Sets value for current winner.
	setDaysRemaining(int dR)	Sets value for days remaining
	setHighestBid(float hB)	Sets value for highest bid
	Print()	Prints attributes of item
Transaction	Transaction()	Default constructor for empty transaction
	Transaction(string cUT, string cTU, string tT, float cUC)	Constructor to create transaction object.
	~Transaction()	Destructor for transaction objects.
	getCurrentUserType()	Returns value for current user type.
	getCurrentTranactionUser()	Returns value for current transaction user.
	getTransactionType()	Returns value for transaction type
	getCurrentUserCredit()	Returns value for current user credit.
	setCurrentUserType(string cUt)	Sets value for current user types.
	setCurrentTransactionUser(string cTU)	Sets value for current transaction user.
	setTransactionType(string tT)	Sets value for transaction type.
	setCurrentUserCredit(float cUC)	Sets value for current user credit.
	print()	Prints attributes of item
	storeDailyTransaction()	Saving the transaction into the daily_Transaction_File.tra file.
User	User()	Default constructor for empty user.
	User(string uT, string uN, float c)	Constructor to create user object.
	~User()	Destructor for user objects.
	getUserType()	Returns value for user type.
	getUserName()	Returns value for user name.
	getCredit()	Returns value for credit.
	setUserType(string uT)	Sets value for user type.
	setUserName(string uN)	Sets value for user name.
	setCredit(float c)	Sets value for credit.
	addCredit(float c)	Adds credits to the user
	print()	Prints attributes of user.