

CSCI 3060U Phase 1
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Test Case List

Login

login - start a Front End session

- before processing a login transaction, the Front End reads in the current user accounts file.
- should ask for the username
- after the username is accepted, reads in the available tickets file (see below) and begins accepting transactions
- Constraints:
 - no transaction other than login should be accepted before a login
 - no subsequent login should be accepted after a login, until after a logout
 - after a non-admin login, only unprivileged transactions are accepted
 - after an admin login, all transactions are accepted

Test Case ID	Description	Steps	Data	Expected Results	Actual Results	Pass/Fail
LT01	Check if the current user accounts file is read by the Front End	Boot up the program	User Accounts File	No errors, the program will accept user prompts		
LT02	If current user accounts file is not found by the Front End	Boot up the program	N/A	The program will display an error and exit		
LT03	Enters valid username when command 'login' is sent	Enter the username	username=name22	The program reads in the available tickets file and begins accepting transactions		
LT04	Enters Invalid	Enter the	username=	The program		

	username when command 'login' is sent	username	name22	returns an invalid username error message		
LT05	Valid username but no available tickets	Enter the username	username=name22	The program returns a message saying that no tickets are available		
LT06	Entering commands other than 'login'	Any input except	Any data	The program returns 'Please log in' error message		
LT07	Entering 'login' while a current session is active.	Boot up program Input 'login' command Input 'login' command again	N/A	The program returns 'Already logged in' message		
LT08	Logging in as admin	Enter admin-related credentials	admin=AA	The program reads in the available tickets file and begins accepting transactions		
LT09	Logging in as non-admin	Enter normal user credentials	username=name22	The program reads in the available tickets file and begins accepting (non admin) transactions		
LT10	Non-admin performing privileged transaction	Input admin command	Create=username22, delete=username22, refund=username22	Program returns 'Transaction requires admin access' message		

Logout

logout - end a Front End session

- should write out the daily transaction file (see below) and stop accepting any transactions except login
- Constraints:
 - should only be accepted when logged in
 - no transaction other than login should be accepted after a logout

Test Case ID	Description	Steps	Data	Expected Results	Actual Results	Pass/Fail
LOT01	Logging out while not logged in	Input 'logout' command		Returns message: "Not logged in an account"		
LOT02	Doing a command other than 'login' after a 'logout'	Input any commands other than 'login'		The program returns 'Please log in' error message		
LOT03	Check if the daily transaction file is written out	Terminate the front end session	Transaction File	Daily transaction file is written and program		
LOT04	Check if all the transactions are stopped	Any transaction	Create=user name22, delete=user name22, refund=user name22	Transactions are not completed		

Create

create – creates a new user with bidding and/or selling privileges.

- should ask for the new username (as a text line)
- then should ask for the type of user (admin or full-standard, buy-standard, sell-standard)
- should save this information to the daily transaction file
- Constraints:
 - privileged transaction - only accepted when logged in as admin user
 - new user name is limited to at most 15 characters
 - new user names must be different from all other current users
 - maximum credit can be 999,999

Test Case ID	Description	Steps	Data	Expected Results	Actual Results	Pass/Fail
CR01	Create New User as admin	Loggin as an admin user,input 'create' transaction , type a new username, type of user	user=username22	New user is created and information is saved to the daily transaction file		
CR02	Create new user as non admin	Input 'create' transaction	user=username22	Transaction not accepted, requires admin privilege		
CR03	Enters invalid new username	Enters username longer than 15 characters, and/or enters new username that already exists	New username = usernamei stoolong New username = existing username	Returns message: 'Username is too long. Must be less than 15 characters.' or 'Username is taken'		

CR04	Enters valid new username	Enters username with <= 15 characters and does not exist already	New username = username23	Returns message: 'New user username23 created successfully'		

Delete

delete - cancel any outstanding items for sale and remove the user account.

- should ask for the username (as a text line)
- should save this information for the daily transaction file
- Constraints:
 - privileged transaction - only accepted when logged in as admin user
 - username must be the name of an existing user but not the name of the current user
 - no further transactions should be accepted on a deleted user's available inventory of items for sale.

Test Case ID	Description	Steps	Data	Expected Results	Actual Results	Pass/Fail
DEL01	Deleting a user	Login in as an admin user, types a username to delete	username123	User is deleted, cancel any outstanding transaction, save info to the daily transaction file. No other transaction accepted on the user's account		
DEL02	Deleting current user(admin)	Logged in as an admin user, types admin	usernameAdmin /current	Return message:"can not delete current user"		

		username.				
DEL03	Sending transaction on deleted user's account	Any transaction	username123	Return message "user does not exist"		

Advertise

advertise – put up an item for auction

- should ask for the item name (as a text line)
- should ask for a minimum bid for the tickets in dollars (e.g. 15.00)
- should ask for the number of days until the auction ends
- should save this information to the daily transaction file
- Constraints:
 - Semi-privileged transaction - only accepted when logged in any type of account except standard-buy.
 - the maximum price for an item is 999.99
 - the maximum length of an item name is 25 characters
 - the maximum number of days to auction is 100
 - no further transactions should be accepted on a new ticket for sale until the next session.

Test Case ID	Description	Steps	Data	Expected Results	Actual Results	Pass /Fail
ADV01	Check if information is saved to the daily transaction file	Type item name (text line, max char = 25), minimum bid(float, max=999.99), number of days till auction ends(integer, max int = 100)	name=name22, minimum_bid=bid22, days=days22	Information is saved to the daily transaction file		
ADV02	Check if transaction is accepted only if a user logged	The same steps as the previous case	name=name22, minimum_bid=bid22,	Transaction is accepted		

	in any type of account except standard-buy		days=days22			
ADV03	Transaction is attempted to be completed by a standard-buy user	The same steps as the previous case	name=name22, minimum_bid=bid22, days=days22	Transaction is not accepted		
ADV04	Accept no further transactions on a new ticket until the next session	Type item name (text line, max char = 25), minimum bid(float, max=999.99), number of days till auction ends(integer, max int = 100), any transaction except admin's transactions	name=name22, minimum_bid=bid22, days=days22	Transaction is not accepted		

Bid

bid – make a bid on an item available for auction

- should ask for the item name and the seller's username
- should display the current highest bid and ask for a new bid amount.
- should add the new bid to the item's record
- should save this information to the daily transaction file
- Constraints:
 - Semi-privileged transaction - only accepted when logged in any type of account except standard-sell.
 - item name must be an existing item
 - new bid must be greater than the previous highest bid
 - new bid must be at least 5% higher than the previous highest bid (this restriction does not apply in privileged mode)

Test Case ID	Description	Steps	Data	Expected Results	Actual Results	Pass/Fail
BID01	Check if information is saved to	Initiate bid transaction , type item	item_name=name22, Sellers_us	information is saved to the daily		

	the daily transaction file	name (must exist), seller's username, input new bid amount(must be greater than the previous highest bid and must be at least 5% higher than the previous highest bid)	ername = username22, new_bid_amount=amount22	transaction file		
BID02	Check if transaction is accepted only if a user logged in any type of account except standard-buy	Initiate bid transaction , type item name (must exist), seller's username, input new bid amount(must be greater than the previous highest bid and must be at least 5% higher than the previous highest bid)	item_name=name22, Sellers_username = username22, new_bid_amount=amount22	Transaction is accepted		
BID03	Test that standard sell					

	account's bid transaction is not accepted					
BID04	Check if the new bid is added to the item's record	Initiate bid transaction , type item name (must exist), seller's username, input new bid amount(must be greater than the previous highest bid and must be at least 5% higher than the previous highest bid)	item_name=name22, Sellers_username = username22, new_bid_amount=amount22	new bid is added to the item's record		
BID05	Test if bid is %5 less than previous highest bid			Bid must be at least %5 greater than previous highest bid		

Refund

refund - issue a credit to a buyer's account from a seller's account (privileged transaction)

- should ask for the buyer's username, the seller's username and the amount of credit to transfer.
- should transfer the specified amount of credit from the seller's credit balance to the buyer's credit balance.
- should save this information for the daily transaction file
- Constraints:

- Buyer and seller both must be current users
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Test Case ID	Description	Steps	Data	Expected Results	Actual Results	Pass/Fail
REF01	Initiate refund as admin user	Log in as an admin, type username from credit need to be take from existing user(seller)), type the amount of credit to add(max=\$ 1000), type username to which credit is being added(existing user(buyer))	"userSell123", "userBuy123"	Both users exist and the seller account has sufficient balance.		
REF02	Initiate refund as standard user	Log in as an standard user. Add credit to be transferred (max= 1000)	"userSell123",	Display msg. "You do not have the correct administrator privileges"		
REF03	Check for the daily transaction file and both user info(balance etc).	Initiate a refund. Input seller's and buyer's username. check the seller's account balance.	"userSell123", "userBuy123"	Both users exist and the seller account has sufficient balance.		
REF04	Transfer amount	Transferring specific amount from the seller's to buyer's account	"userSell123" balance, "userBuy123" balance	Refund successful message on buyer's account.		
REF05	Save info to transaction file	Gather transaction info from both account and save it into both users	"userSell123" balance, "userBuy123" seller_balance	info saved to transaction files		

			buyer_balance			
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AddCredit

addcredit - add credit into the system for the purchase of accounts

- In admin mode, should ask for the amount of credit to add and the username of the account to which credit is being added.
- In a standard account, should ask for the amount of credit.
- should save this information to the daily transaction file
- Constraints:
 - In admin mode, the username has to be an existing username in the system.
 - A maximum of \$1000.00 can be added to an account in a given session.

Test Case ID	Description	Steps	Data	Expected Results	Actual Results	Pass /Fail
ADDC01	Add credit as an admin	Log in as an admin, type the amount of credit to add(max=\$1000.00), type username to which credit is being added(existing user)	admin_username=admin22, admin_password=password22, amount_of_credit=amount22, username=username22	Credit is added		
ADDC02	Add credit as non-admin user	Log in as a user, type the amount of credit(max=\$1000.00)	username=username22, password=password22, amount_of_credit=amount22	Credit is added		
ADDC03	Check if information is saved to the daily transaction file while adding credit	Log in as an admin, type the amount of credit to add(max=\$1000.00), type username to	admin_username=admin22, admin_password=password22, amount_of_credit=amount22, username=username	Information is saved to the daily transaction file		

	as an admin	which credit is being added(existing user)	name22			
ADDC04	Check if information is saved to the daily transaction file while adding credit as non-admin user	Log in as a user, type the amount of credit(max=\$1000.00)	username=username22, password=password22,amount_of_credit=amount22	information is saved to the daily transaction file		

(NEW) AuctionItems

auctionItems - transaction that outputs to the terminal all items currently up for auction and the relevant information.

Test Case ID	Description	Steps	Data	Expected Results	Actual Results	Pass/Fail
AUI01	Auction items will be presented to the buyer upon successful login	Login with correct credentials	username=username22, password=password2	The terminal will output / fetch the data from the backend to present currently active auctions.		
AUI02	If there are no currently active auction items, the terminal will say so.	Login with correct credentials	username=username22, password=password2	The terminal will output a "no active auctions" message		

