Names: Adwan Syed, Shubham Patel, Miral Panchal

Test Cases and Expected Outputs

Test Case Name: Login
Description: Start a front end session.

#	Test Name	Description	Input	Output File	Output Terminal
1	login1	Checks if the transaction is accepted	login user01 logout	VALID_USER XX LOGOUT_SUCCESS	Welcome to the Auction Sales System. Please login to begin.
2	login2	Check if user exists in incorrect format	login user02 logout	INVALID_USER	Invalid user. Please enter a valid username.
3	login3	Test if we can login as admin	login user_aa logout	VALID_USER AA LOGOUT_SUCCESS	Logged in as admin.
4	login4	Test if we can login as full-standard	Login user_fs logout	VALID_USER FS LOGOUT_SUCCESS	Logged in as full-standard.
5	login5	Test if we can login as buy-standard	login user_bs logout	VALID_USER BS LOGOUT_SUCCESS	Logged in as buy-standard.
6	login6	Test if we can login as sell-standard	login user_ss logout	VALID_USER SS LOGOUT_SUCCESS	Logged in as sell-standard.
7	login7	Test if another login is not accepted after login	login user01 login	VALID_USER XX LOGIN_FAILED	user01 is already logged in

Test Case Name: Logout
Description: End a front end session

#	Test Name	Description	Input	Output File	Output Terminal
8	logout1	Checks if program writes out daily transaction file	login user01 logout	VALID_USER XX LOGOUT_SUCCESS	User01 has successfully logged out
9	logout2	Checks to see if program does not accept any transactions besides the login	delete create addCredit refund advertise	TRANACTION_FAILED TRANACTION_FAILED TRANACTION_FAILED TRANACTION_FAILED TRANACTION_FAILED	Cannot perform transaction while not logged in
10	logout3	Test if we can logout only if logged in	logout	LOGOUT_FAILED	Cannot logout while not logged in
11	logout4	Test to see that no transaction is accepted after logout	login user01 logout delete	VALID_USER XX LOGOUT_SUCCESS TRANSACTION_FAILED	Transaction not accepted after logout

Test Case Name: Create
Description: Add a user with the ability to bid/advertise items (privileged transaction)

#	Test Name	Description	Input	Output File	Output Terminal
12	create1	Test to see if admin user is created	login user_aa create user_aa logout	VALID_USER AA CREATED_USER AA LOGOUT_SUCCESS	user_aa has been created
13	create2	Test to see if full-standard user is created	Login user_fs create user_fs	VALID_USER CREATED_USER FS LOGOUT_SUCCESS	user_fs has been created
14	create3	Test to see if buy-standard user is created	login user_bs create user_bs logout	VALID_USER BS CREATED_USER BS LOGOUT_SUCCESS	user_bs has been created
15	create4	Test to see if sell-standard user is created	login user_aa	VALID_USER AA	user_ss has been

			create user_ss logout	CREATED_USER SS LOGOUT_SUCCESS	created
16	create5	Test to see if privileged transactions are only accepted for admin users	login user_aa delete refund logout	VALID_USER AA ACCESS_DENIED AA ACCESS_DENIED AA LOGOUT_SUCCESS	Privileged transactions accepted for user_aa
17	create6	Test to see if privileged transactions are only accepted for admin users	login user_fs delete refund logout	VALID_USER FS ACCESS_DENIED FS ACCESS_DENIED FS LOGOUT_SUCCESS	Privileged transactions not accepted for user_fs
18	create7	Test to see if privileged transactions are only accepted for admin users	login user_bs delete refund logout	VALID_USER BS ACCESS_DENIED BS ACCESS_DENIED BS LOGOUT_SUCCESS	Privileged transactions not accepted for user_bs
19	create8	Test to see if privileged transactions are only accepted for admin users	login user_ss delete refund logout	VALID_USER BS ACCESS_DENIED BS ACCESS_DENIED BS LOGOUT_SUCCESS	Privileged transactions not accepted for user_ss
20	create9	Test to see if new username is limited to 15 characters	login user_aa create user01 logout	VALID_USER AA USERNAME_LENGTH user01.length LOGOUT_SUCCESS	Displays error if length exceeds 15 characters
21	create10	Test to see if new user name is different from all the other usernames in the file	login user_aa create user01 logout	VALID_USER AA ERR:EXISTING_USER LOGOUT_SUCCESS	Displays error message if username already exists
22	create11	Test to see if maximum credit does not exceed 999,999	login user_aa create user01 logout	VALID_USER AA USER_CREATED XX ERR:CREDIT_EXCEEDS_MAX LOGOUT_SUCCESS	Displays error message if credit exceeds 999,999
23	create12	Test to see if create is only available for admin users	login user_aa Create user01 logout	VALID_USER AA USER_CREATED XX LOGOUT_SUCCESS	User has been created

Test Case Name: Delete
Description: Remove a user (privileged transaction)

#	Test Name	Description	Input	Output File	Output Terminal
24	del1	Check to see if the user is admin for privileged transactions	login user_aa delete user01 logout	VALID_USER AA DELETE_SUCCESS XX LOGOUT_SUCCESS	Display admin user
25	del2	Check for users with outstanding items for sales	login user_aa items user_bs user_fs user_ss logout	VALID_USER AA NUM_ITEM_OS LOGOUT_SUCCESS	Counts the number of outstanding items
26	del3	Test to see if the user was removed	login user_aa delete user_bs user_fs user_ss logout	VALID_USER AA DELETE_SUCCESS BS FS SS LOGOUT_SUCCESS	Admin deletes the user
27	del4	Test to see if the information is being saved for daily transaction	login user_aa *transactions* logout	VALID_USER AA TRANS_SAVED LOGOUT_SUCCESS	Saves the daily transactions
28	del5	Test to see if the transaction is accepted after the user is deleted on the user inventory	login user_xx *transaction* logout	VALID_USER XX *TRANS_FAILED* LOGOUT_SUCCESS	Checks the inventory for deleted user transaction
29	del6	Test if the user can delete themselves	login user_aa delete user_bs user_fs user_ss logout	VALID_USER AA DELETE_SUCCESS BS DELETE_SUCCESS FS DELETE_SUCCESS SS LOGOUT_SUCCESS	Only admins have right to delete

Test Case Name: Advertise
Description: Put an item up for auction

#	Test Name	Description	Input	Output File	Output Terminal
30	adv1	Check if the item is put up for auction	Login User_ad Adv1.in User Item Logout	USER_VALID AA User Adv1.txt LOGOUT_SUCCESS	Stores items up for sales
31	adv2	Test if the account is not logged in standard-buy for semi-privileged transaction	Login User_bs Logout	INVALID_USER User_bs LOGOUT_SUCCESS	Access denied, sign in as admin or sell-standard or full-standard
32	adv3	Test for the maximum length of an item name (25 character)	Login User_ad Item_text Logout	USER_VALID AA Item_text LOGOUT_SUCCESS	Item name is to long, must be less than 25 character
33	adv4	Test for the max price of an iterm (999.99)	Login Item_price Logout	USER_VALID Item_price LOGOUT_SUCCESS	Item price is to big, must be less than $999.99
34	adv5	Test for the minimum bid for the ticket (in $)	Login Min_Bid Logout	USER_VALID AA Min_bid LOGOUT_SUCCESS	Displays the minimum bid for the ticket
35	adv6	Test for how many days till auction ends (max 100 days)	Login User_ad Auc_days Logout	USER_VALID AA Auc_days LOGOUT_SUCCESS	Displays the number of days of auction (max 100)
36	adv7	Test if there was a transaction on a new sales ticket	Login User_ad New_ticket Logout	USER_VALID AA New_ticket LOGOUT_SUCCESS	Displays transaction if there was one on a new ticket

Test Case Name: Bid
Description: Make a bid on an item available for auction

#	Test Name	Description	Input	Output File	Output Terminal
37	bid1	Test if bid is higher than minimum bid of $15.00	login user_aa bid item days seller $100 logout	VALID_USER AA BID_SUCCESS LOGOUT_SUCCESS	Update display of items with current bid
38	bid2	Test if bid is higher than current highest bid	login user_bs bid item days seller $10 logout	VALID_USER BS BID_FAILED LOGOUT_SUCCESS	Instruct user bid is too low and prompt user again
39	bid3	Test account type and reject sell-standard account	login user_ss bid item days seller $110 logout	VALID_USER AA BID_FAILED LOGOUT_SUCCESS	Instruct user bids are not accepted from sell-standard accounts
40	bid4	Test if item being bidded on actually exists	login user_bs bid item days seller $110 logout	VALID_USER BS BID_FAILED LOGOUT_SUCCESS	Instruct user item does not exist and prompt user again
41	bid5	Test if new bid in record is at least 5% higher than previous highest bid	login user_bs bid item days seller $102 logout	VALID_USER BS BID_FAILED LOGOUT_SUCCESS	Instruct user item needs to be at least 5% higher than previous bid and prompt user again
42	bid6	Test that highest bid is recorded in daily transactions file	login user_bs bid item days seller $110 logout	VALID_USER BS BID_SUCCESS LOGOUT_SUCCESS	N/A. Check if available items file was updated correctly.

43	bid7	Test multiple bids on one item records correctly on daily transaction file	login user_bs bid item days seller $110 bid item days seller $120 logout	VALID_USER BS BID_SUCCESS BID_SUCCESS LOGOUT_SUCCESS	N/A. Check if available items file was updated correctly.
44	bid8	Test if privileged mode by-passes 5% higher bid requirement from test case (15)	login user_aa bid item days seller $125 logout Note: < 5% increase of previous bid $120	VALID_USER AA BID_SUCCESS LOGOUT_SUCCESS	N/A. Check if available items file was updated correctly.
45	bid9	Test if bid is spelled correctly	login user_aa biid bid item days seller $135 logout	VALID_USER AA BID_SUCCESS LOGOUT_SUCCESS	Instruct user to enter valid command and continue with bid workflow

Test Case Name: Refund
Description: Issue a credit to a buyer's account from a seller's account (privileged transaction)

#	Test Name	Description	Input	Output File	Output Terminal
46	refund1	Test if refund rejected for non-privileged accounts	login user_bs refund logout	VALID_USER BS REF_FAILED NO_ACCESS LOGOUT_SUCCESS	Instruct user refund only available for privileged users.
47	refund2	Test if buyer name exists	login user_aa refund user1 user2 $10 logout	VALID_USER AA REF_FAILED NO_BUYER LOGOUT_SUCCESS	Instruct user buyer isn't a current user and prompt user again

48	refund3	Test if seller name exists	login user_aa refund user1 user2 $10 logout	VALID_USER AA REF_FAILED NO_SELLER LOGOUT_SUCCESS	Instruct user seller isn't a current user and prompt user again
49	refund4	Check if transfer goes through	login user_aa refund user1 user2 $10 logout	VALID_USER AA REF_SUCCESS LOGOUT_SUCCESS	N/A. Check if available items file was updated correctly.
50	refund5	Check if credit causes negative balance on buyer	llogin user_aa refund user1 user2 $1,000,000 logout	VALID_USER AA REF_FAILED NEG_BALANCE LOGOUT_SUCCESS	Instruct user item needs to be at least 5% higher than previous bid and prompt user again

Test Case Name: Add Credit
Description: Add credit into the system for the purchase of accounts

#	Test Name	Description	Input	Output File	Output Terminal
51	addCredit1	Test if addcredit rejected for non-admin mode	login user_bs addcredit logout	VALID_USER BS AC_FAILED LOGOUT_SUCCESS	Ask user to login using admin mode to use this feature
52	addCredit2	Test if username exists in user accounts file	login user_aa addcredit $100 user01 logout	VALID_USER AA AC_FAILED NO_USER LOGOUT_SUCCESS	Instruct user to input another user since current user does not exist
53	addCredit3	Test if negative values can not be credited	login user_aa addcredit -$1 user02 logout	VALID_USER AA AC_FAILED NEG_VAL LOGOUT_SUCCESS	Instruct user to input appropriate value to credit to account. Negative values not accepted.
54	addCredit4	Test if maximum value of $1000.00 can be added in a session	login user_aa addcredit $100 user01 addcredit $300 user01 addcredit $700 user01	VALID_USER AA AC_SUCCESS AC_SUCCESS AC_FAILED AC_LIMIT	Instruct user only a maximum of $1000.00 can be added to an account in a given session

			logout	LOGOUT_SUCCESS	
55	addCredit5	Test if daily transaction file recorded correctly	login user_aa addcredit $100 user01 logout	VALID_USER AA AC_SUCCESS LOGOUT_SUCCESS	N/A. Check if daily transaction file was updated correctly.
56	addCredit6	Test that admin should not be able to add funds into a sell-standard Since they are only allowed to sell items and not buy.	login user_aa addcredit $100 user_ss logout	VALID_USER AA AC_FAILED SS_ACCOUNT LOGOUT_SUCCESS	N/A. Check if daily transaction file was not updated with the credit.