CSCI 3060U Phase 1

Luis Octavo, Owais Najmi, Islam Nuryyev

Test Case Table template, change if necessary

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 | As expected | Pass |
| 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 | As expected | Pass |
| 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 | As expected | Pass |
| LT04 | Enters **Invalid** username when command ‘login’  is sent | Enter the username | username= name22 | The program returns an invalid username error message | As expected | Pass |
| LT05 | Valid username but no available tickets | Enter the username | username= name22 | The program returns a message saying that no tickets are available | As expected | Pass |
| LT06 | Entering commands other than ‘login’ | Any input except | Any data | The program returns ‘Please log in’ error message | As expected | Pass |
| 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 | As expected | Pass |
| LT08 | Logging in as admin | Enter admin-related credentials | admin=AA | The program reads in the available tickets file and begins accepting transactions | As expected | Pass |
| 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 | As expected | Pass |
| LT10 | Non-admin performing privileged transaction | Input admin command | Create=username22, delete=username22, refund=username22 | Program returns ‘Transaction requires admin access’ message | As expected | Pass |

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 |  |  |  |  |  |
| LOT02 |  |  |  |  |  |  |

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 |  |  |  |  |  |
|  |  |  |  |  |  |  |

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 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

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 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

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 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

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

| Test Case ID | Description | Steps | Data | Expected Results | Actual Results | Pass/Fail |
| --- | --- | --- | --- | --- | --- | --- |
| REF01 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

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 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |