Login Tests

Test Name	Test Description/Intention
01_PreLogin_NonLogin_Transaction_Is_Invalid	Confirms if a pre-login transaction is not a login transaction and thus should be rejected.
02_PreLogin_Login_Transaction_Is_Valid	Confirms if a pre-login transaction is a login transaction and thus accepted.
03_Username_Exists_Is_Valid	Confirms username is available and thus accepted.
04_Username_Doesnt_Exist_Is_Invalid	Confirms username is unavailable and thus rejected.
05_PostLogin_NonLogin_Transaction_Is_Valid	Confirms subsequent transaction(s) are not another login transaction after the user is logged in and thus accepted.
06_PostLogin_Login_Transaction_Is_Invalid	Confirms subsequent transaction(s) are another login transaction after the user is logged in and thus rejected.
07_NonAdmin_Unprivileged_Transaction_Is_Valid	Confirms non-admin users can use unprivileged transactions.
08_Admin_Unprivileged_Transaction_Is_Valid	Confirms admin users can use unprivileged transactions.
09_NonAdmin_Privilged_Transaction_Is_Invalid	Confirms non-admin users can't use privileged transactions.
10_Admin_Privileged_Transaction_Is_Valid	Confirms admin users can use privileged transactions.

Logout Tests

Test Name	Test Description/Intention
01_PreLogin_Logout_Transaction_Is_Invalid	Confirms a logout transaction is rejected before a user is logged in.
02_PostLogin_Logout_Transaction_Is_Valid	Confirms a logout transaction is accepted after a user is logged in.
03_PostLogout_NonLogin_Transaction_Is_Invalid	Confirms non-login transactions are rejected after a user is logged out.
04_PostLogout_Login_Transaction_Is_Valid	Confirms only login transactions are accepted after a user is logged out.

Create Tests

Test Name	Test Description/Intention
01_NonAdmin_Create_Is_Invalid	Confirms a Non-Admin user cannot use the create transaction.
02_Admin_Create_Is_Valid	Confirms an Admin user is able to use the create transaction.
03_Username_Length_GreaterThan_15_Is_Invalid	Confirms new username length is longer than 15 and should thus be rejected.
04_Username_Length_LessOrEqualTo_15_Is_Valid	Confirms new username length is less than 15 and thus accepted.
05_Username_Exists_Is_Invalid	Confirms new username is in use and should thus be rejected.
06_Username_Doesnt_Exist_Is_Valid	Confirms new username is not in use and thus accepted.
07_Set_Credit_Greater_Than_999999_Is_Invalid	Confirms new user max credit is greater than 999,999 and should thus be rejected.
08_Set_Credit_LessOrEqualTo_999999_Is_Valid	Confirms new user max credit is less than 999,999 and thus accepted.

Delete Tests

Test Name	Test Description/Intention
01_NonAdmin_Delete_Is_Invalid	Confirms a non admin cannot use the delete transaction.
02_Admin_Delete_Is_Valid	Confirms an admin can use the delete transaction.
03_Username_Doesnt_Exist_Delete_Is_Invalid	Confirms a non-existing user cannot be deleted.
04_Username_Exists_Delete_Is_Invalid	Confirms an existing user can be deleted.
05_Username_Is_Current_User_Delete_Is_Invalid	Confirms a user cannot delete themself.
06_Username_Is_Different_User_Delete_Is_Valid	Confirms a user can delete others.
07_PreDelete_User_Item_Transaction_Is_Valid	Confirms an item transaction on an existing-user's item is allowed.
08_PostDelete_User_Item_Transaction_Is_Invalid	Confirms an item transaction on a deleted-user's item is not allowed as the item itself is non-existing as well.

Advertise Tests

Test Name	Test Description/Intention
01_Unprivileged_User_Advertise_Is_Invalid	Confirms a Standard-Buy user cannot use Advertise transaction.
02_Privileged_User_Advertise_Is_Valid	Confirms a Non-Standard-Buy user can use Advertise transaction.
03_Item_Price_GreaterOrEqualTo_1000_Is_Invalid	Confirms a minimum bid price is over the max set $1000 limit and thus rejected.
04_Item_Price_Less_Than_1000_Is_Valid	Confirms a minimum bid price is under the max set $1000 limit and thus accepted.
05_Item_Name_Length_Greater_Than_25_Is_Invalid	Confirms an item name is over the max set 25 character limit and thus rejected.
06_Item_Name_Length_LessOrEqualTo_25_Is_Valid	Confirms an item name is under the max set 25 character limit and thus rejected.
07_Item_Days_Greater_Than_100_Is_Invalid	Confirms an item auction length is over the max set 100 day limit and thus rejected.
08_Item_Days_LessOrEqualTo_100_Is_Valid	Confirms an item auction length is under the max set 100 day limit and thus rejected.
09_New_Ticket_Item_Transaction_Is_Invalid	Confirms an item transaction is not possible on a newly created item until a new session.
10_Old_Ticket_Item_Transaction_Is_Valid	Confirms an item transaction is possible on an old created item from an old session.

Bid Tests

Test Name	Test Description/Intention
01_Unprivileged_User_Bid_Is_Invalid	Confirms that an unprivileged user cannot use the transaction.
02_Privileged_User_Bid_Is_Valid	Confirms that a privileged user can use the transaction.
03_Bidding_Item_Not_Available_Is_Invalid	Confirms if item searched does not exist or is unavailable
04_Bidding_Item_Is_Available_Is_Valid	Confirms if item exists or is still available
05_Bid_Less_Than_Previous_Highest_Is_Invalid	Confirms a bid less than previous highest bid and thus should be rejected.
06_Bid_Greater_Than_Previous_Highest_Is_Valid	Confirms a bid greater than previous highest bid and thus should be accepted.
07_Higher_Bid_Minimum_Percentage_Not_Reached_Is_Invalid	Confirms a bid that's 5% less than previous highest bid should be rejected.
08_Higher_Bid_Minimum_Percentage_Reached_Is_Valid	Confirms a bid that's 5% greater than previous highest bid should be accepted.
09_NonAdmin_Bid_Percentage_Bypass_Is_Invalid	Confirms an unprivileged user must bid at least 5% more than previous highest.
10_Admin_Bid_Percentage_Bypass_Is_Valid	Confirms a privileged user does not have to bid at least 5% more than previous highest.

Refund Tests

Test Name	Test Description/Intention
01_Buyer_Doesn't_Exist_Refund_Is_Invalid	Confirms buyer doesn't exist and thus transaction should be rejected.
02_Buyer_Exist_Refund_Is_Valid	Confirms buyer does exist and thus transaction should be accepted.
03_Seller_Doesn't_Exist_Refund_Is_Invalid	Confirms seller doesn't exist and thus transaction should be rejected.
04_Seller_Exist_Refund_Is_Valid	Confirms the seller exists and thus the transaction should be accepted.
05_Credit_Amount_Is_Invalid	Confirms the amount of credit from the seller's credit balance to the buyer credit is invalid and should thus be rejected.
06_Credit_Amount_Is_Valid	Confirms the amount of credit from the seller's credit balance to the buyer credit is valid and should thus be accepted.
07_NonAdmin_Refund_Is_Invalid	Confirms non-admins cannot use transactions.
08_Admin_Refund_Is_Valid	Confirms admins can use transactions.

AddCredit Tests

Test Name	Test Description/Intention
01_AddCredit_To_Existing_User_Is_Valid	Confirms if the user exists before adding credit.
02_AddCredit_To_Nonexisting_User_Is_Invalid	Rejects if the user does not exist to add credit.
03_AddCredit_Under_Maximum_Is_Valid	Confirms if the credit added is at most $1000.00
04_AddCredit_Over_Maximum_Is_Invalid	Rejects if the credit added is more than $1000.00
05_AddCredit_Admin_Mode	Confirms if the current user is an admin user.
06_AddCredit_Standard_Mode	Confirms if the current user is a standard user.

ViewAuctions Tests

Test Name	Test Description/Intention
01_Available_Items_File_Doesnt_Exist_ViewAuctions_Is_Invalid	Confirms if the Available Items File is unreadable and can't print to terminal.
02_Available_Items_File_Exists_ViewAuctions_Is_Valid	Confirms if the Available Items File is readable and can print to terminal.