Test ID	Login_Fail (01)
Category	Authentication of user credentials.
Requirements Coverage	UC1-User login failure
Initial Condition	User enters incorrect credentials and clicks submit.
Procedure	*1. The user selects login* *2. The user provides a user name* *3. The user provides a password* *4. The user clicks submit* *5. The user is prompted with an error message due to entering invalid credentials*
Expected Outcome	A window pops up displaying "invalid credentials entered"
Notes	

Test ID	Login_Pass (02)
Category	Authentication of user credentials.
Requirements Coverage	UC1-Successful user login
Initial Condition	User enters correct credentials and clicks submit.
Procedure	*1. The user selects login* *2. The user provides a user name* *3. The user provides a password* *4. The user clicks submit.* *5. The login page closes and the user is prompted with the main UI page*
Expected Outcome	User has successfully logged in and is given the item search webpage.
Notes	

Test ID	Username_Exists (03)
Category	Registration of user
Requirements Coverage	UC1-User registration error
Initial Condition	User enters a username during registration but it already exists in the database
Procedure	*1. The user selects sign-up* *2. The user provides first name and last name* *3. The user provides address details(Street address, street number, Postal code, City and country)* *4. The user provides a username* *5.The user provides a password* *6. The user clicks submit* *7. The user is prompted with an error message due to username existing in database*
Expected Outcome	A window pops up displaying "username exists"
Notes	

Test ID	Password_Equals_Username (04)
Category	Registration of user
Requirements Coverage	UC1-User registration failure
Initial Condition	User enters a password that is the same as the username
Procedure	*1. The user selects sign-up* *2. The user provides first name and last name* *3. The user provides address details (Street address, street number, Postal code, City and country)* *4. The user provides a username* *5.The user provides a password that is the same as the username* *6. The user clicks submit* *7. The user is prompted with an error message due to the username being the same as the password*
Expected Outcome	A window pops up displaying "Username cannot be the same as the password"
Notes	

Test ID	Item_search_not_in_database (05)
Category	Evaluation of items stored in DB
Requirements Coverage	UC2.1 - Item search
Initial Condition	User needs to be registered
Procedure	*1. The user logs in to the system* *2. Enter a keyword that does not match any items in the items search field* *3. Verify the system will provide a message indicating no matching items was found*
Expected Outcome	The user is presented with a message returned from the system indicating that no matching items were found
Notes	

Test ID	Item_search_in_database (06)
Category	Evaluation of items stored in DB
Requirements Coverage	UC2.2
Initial Condition	Item needs to exist in the database
Procedure	*1. User logins to the system* *2. Enter a keyword in items search field that matches an item in database* *3. Display items that are matching search keywords*
Expected Outcome	The user will be presented with a list of items which was searched in the items search field with current bidding price, the type of auction, and the remaining time.
Notes	

Test ID	Item_description_with_bid_option (07)
Category	Selecting which item to bid on.
Requirements Coverage	UC2.3
Initial Condition	Item needs to exist in the database and needs to be active for bidding.
Procedure	*1. Enter a keyword in items search field that matches an item in database* *2. Display items matching search keywords* *3. Select only one item using the radio buttons for bidding* *4. After clicking bid button, UI will display the item details and option to bid.*
Expected Outcome	The user will be presented with a UI display that has item descriptions and option to bid.
Notes	

Test ID	User_Bids_Forward_Auction (08)
Category	Forward Auction Bidding
Requirements Coverage	UC3-Forward Auction Bidding Success
Initial Condition	User with a registered ID is at the bidding page
Procedure	*1. The user is on the bidding page of the forward auction* *2. The user enters their bidding price in the text field provided* *3. The user clicks the bid button*
Expected Outcome	The webpage refreshes with the users bid and ID if they are the current highest bidder.
Notes	

Test ID	Forward_Auction_Ends (09)
Category	Forward Auction time expires
Requirements Coverage	UC3-Forward Auction Bidding
Initial Condition	The remaining time for a forward auction expires
Procedure	*1. The remaining time for the forward auction expires* *2. All users bidding for that item are notified that the auction has ended* *3. A pay now page is presented for the highest bidder*
Expected Outcome	All users are notified the auction has ended via a pop up window and the highest bidder is able to view the pay now page for the item they won at the auction
Notes	

Test ID	User_Accepts_Dutch_Auction (10)
Category	Item being sold in Dutch Auction bidding
Requirements Coverage	UC3-Dutch Auction
Initial Condition	User accepts a price of the item during a dutch auction
Procedure	*1. The user selects the item they want to bid for* *2. The user clicks the buy now button* *3. All users are notified that the auction has ended* *4. The winning user is taken to a payment page*
Expected Outcome	A window pops up displaying "Auction has ended" and winning user is taken to the pay now page
Notes	

Test ID	No_User_Accepts_Dutch_Auction (11)
Category	Item reaching reserved price in Dutch Auction bidding
Requirements Coverage	UC3-Dutch Auction
Initial Condition	No user buys the item during a dutch auction, and its selling price reaches the reserve price
Procedure	*1. The user selects the item they want to bid for* *2. The users do not click the buy now button* *3. The price of the item drops to the reserve price* *3. All users are notified that the auction has ended*
Expected Outcome	A window pops up displaying "Auction has ended" and item is taken out of the auction after a certain time-period
Notes	

Test ID	Auction_Ended_won_nothing(12)
Category	Auction has ended
Requirements Coverage	UC4 – Auction Ended
Initial Condition	The users have not won anything
Procedure	*1. The auction is ended* *2. verify the system as given a failure notice if user has tried to pay for an item they have not won*
Expected Outcome	The user is presented with a page with a failure notice indicating that they have not won anything from the auction.
Notes	

Test ID	Auction_Ended_won_no_expedited_shipping (13)
Category	Auction has ended
Requirements Coverage	UC4 – Auction Ended without additional expedited shipping cost
Initial Condition	The user needs to win something.
Procedure	*1. The auction is ended*
Expected Outcome	The user is presented with a "pay now button" with additional details such as the item details with regular shipping price and some other information such as an option for expedited shipment cost, winning price, and high bidder.
Notes	

Test ID	Auction_Ended_won_expedited_shipping (14)
Category	Auction has ended
Requirements Coverage	UC4 – Auction Ended with additional expedited shipping cost.
Initial Condition	The user needs to win something.
Procedure	*1. The auction is ended* *2. User selects the Expedited Shipping cost option*
Expected Outcome	The user is presented with a "pay now button" with additional details such as the item details with regular shipping price and some other information such as an option for expedited shipment cost, winning price, and high bidder.
Notes	

Test ID	Auction_Payment_credit_card (15)
Category	User is now paying for their winnings
Requirements Coverage	UC5 – Auction Ended and user is going to pay for their winnings.
Initial Condition	The user needs to win something.
Procedure	*1. The auction is ended* *2. Click the Pay Now button when auction is ended*
Expected Outcome	The user is presented with a Payment option where their information will be provided such as first and last name, address, and final cost of their winnings and credit card information for user to continue their payment process.
Notes	If the user had selected expedited shipment from when auction had ended, then add that shipping cost to the final cost.

Test ID	Auction_Payment_submit_payment (16)
Category	User is now paying for their winnings
Requirements Coverage	UC5 – Auction Ended and user is going to pay for their winnings.
Initial Condition	The user needs to win something.
Procedure	*1. After entering credit card information* *2. Click the submit button*
Expected Outcome	The user is presented with a receipt and shipping detail page.
Notes	