Constellation Auction House
Test Cases Document

Test ID	01
Category	Evaluation of system response upon sign up of an already existing user.
Requirements Coverage	UC1.1-Unsuccessful-Signup
Initial Condition	The System has been initiated and a user with username 'user1' already existing within the system.
Procedure	1. User starts system 2. User clicks sign-up 3. In the sign up menu, the user inputs the already existing 'user1' username into the username field 4. The user inputs a password, can be anything that is accepted by the system 5. The user clicks the sign-up button 6. The user is unable to create a new user with username 'user1'
Expected Outcome	The user should be blocked from creating a user with username 'user1', and should be prompted to use another username. They should be back at the signup menu after the prompt.
Notes	The name user1 is arbitrary, this test requires that an already existing username is inputted into the username field of the sign-up menu

Test ID	02
Category	Evaluation of system response to a successful sign up from a user
Requirements Coverage	UC1.1-Successful-Signup
Initial Condition	The System has been initiated, some users can exist, but no username 'newUser' should be in the system
Procedure	1. User starts system 2. Users clicks sign-up 3. User inputs 'newUser' as their username 4. User inputs a password of their choice (arbitrary as long as its remembered) 5. The user clicks the sign-up button

	6. The user has successfully created a new user and is automatically logged in
Expected Outcome	A new user with the name 'newUser' is registered to the System with the inputted password. The should then be logged into the 'newUser' account
Notes	The username chosen can be anything as long as it does not already exist within the list of already existing usernames

Test ID	03
Category	Evaluation of incorrect password response during login procedures
Requirements Coverage	UC1.2-Unsuccessful-Login
Initial Condition	The System has been initiated and there exist a user with username 'user1' and password '111'
Procedure	1. User starts system 2. Users clicks login 3. User inputs 'user1' as their username 4. User inputs '222' as their password 5. User clicks the login button 6. The user is told that the password does not work for the username
Expected Outcome	The user should be told that either the username or password are wrong. They should be put back to the login screen

Test ID	04
Category	Evaluation of correct username and password during login procedures
Requirements Coverage	UC1.2-Successful-Login
Initial Condition	The System has been initiated and there exist a user with username 'user1' and password '111'
Procedure	1. User starts system 2. Users clicks login 3. User inputs 'user1' as their username 4. User inputs '111' as their password 5. User clicks the login button 6. The user is at the main menu logged in as 'user1'

Expected Outcome	The user should be told that their login was successful then shortly after they should be taken to the main menu

Test ID	05
Category	UC2: Browse Catalogue of Auctioned Items
Requirements Coverage	UC2.1-Item-Search
Initial Condition	The user should be already logged in.
Procedure	1. The user clicks on the item search text box. 2. The user provides a keyword in the item search text box. 3. The user clicks on the search button.
Expected Outcome	The list of items up for auction or currently being auctioned matching the keywords are displayed.
Notes	If no item matches the keyword "no item found" or similar should be displayed.

Test ID	06
Category	UC2: Browse Catalogue of Auctioned Items
Requirements Coverage	UC2.2-Display-Auctioned-Items
Initial Condition	The logged in user should use the item search function to search for a keyword.
Procedure	1. The search function should be used to search for an item.
Expected Outcome	UI should display a list of items matching the searched keyword with full item name, the current bidding price, the type of auction, and the remaining time should be displayed for each item.
Notes	The remaining time should only be displayed for forward auctions or other appropriate auctions that have a remaining time.

Test ID	07
Category	UC2: Browse Catalogue of Auctioned Items
Requirements Coverage	UC2.3-Item-Selection
Initial Condition	The user should be logged in and searched for a keyword of an available item and the list of the items should be displayed.

Procedure	1. Next to each item should be a radio button that the user can select. 2. The user should only be able to choose 1 item with the radio buttons. 3. Once the selection is made, the user can push the BID button.
Expected Outcome	The UI displays the item details and the option to bid.
Notes	A bidder bids for only one item per session. The user may have multiple sessions in parallel in different browsers.

Test ID	08
Category	UC3: Bidding
Requirements Coverage	UC3.1-Forward-Auction-Bidding
Initial Condition	The auction selected is a forward auction.
Procedure	1. The user can provide a new bidding price which must be higher than the current price and press the BID button. 2. Once a bid is submitted, the page is refreshed (by the server). 3. The new highest bidding price and the highest bidder are displayed to all users bidding for this item. 4. The current highest price and the ID of the current highest bidder are always displayed. 5. When the remaining time expires and the auction ends, all users bidding for this item get to a new page indicating that the auction has ended.
Expected Outcome	The highest bidder has the option to pay and is served a page with a "Pay Now" button.

Test ID	09
Category	UC3: Bidding
Requirements Coverage	UC3.2-Dutch-Auction-Bidding
Initial Condition	The auction selected is a Dutch auction.
Procedure	1. The users can select the "Buy Now" button. 2. The auction terminates immediately. 3. All users on this auction's page get to a new page indicating that the auction has ended.

Expected Outcome	The bidder has the option to pay and is served a page with a "Pay Now" button.

Test ID	10
Category	UC4: Auction Ended
Requirements Coverage	Non-winner cannot view Pay Now
Initial Condition	Auction ends and the user is served with the "Pay Now" button. The user is not a winner of the bid.
Procedure	1. User clicks "Pay now" button.
Expected Outcome	User receives a failure message that their payment didnt go through because they are not the winner of the bid

Test ID	11
Category	UC5. Payment
Requirements Coverage	Successful Payment
Initial Condition	User should be logged in and the pay now button is pressed, and user is winning bidder
Procedure	1. Form opens for user to submit payment details 2. Complete payment details are entered 3. Form is submitted
Expected Outcome	User should be moved on to the next step where they are given a receipt and shipment details

Test ID	12
Category	UC5. Payment
Requirements Coverage	Failed Payment
Initial Condition	User should be logged in and the pay now button is pressed, and user is winning bidder

Procedure	
	4. Form opens for user to submit payment details 5. Incomplete (1 random field missing) payment details are entered 6. Form is submitted
Expected Outcome	User should receive an indication that their payment did not go through due to missing fields

Test ID	13
Category	UC6: Receipt Page and Shipment Details
Requirements Coverage	UC6-Receipt-Generation-Dutch-Auction
Initial Condition	System has been initiated and runs. A user that has signed up already logs in.
Procedure	1. Dutch auction 2. Auction ended due to purchase 3. Winner decided to pay 4. Payment has been cleared
Expected Outcome	Html page should be generated and shown to the user that has a receipt and address. The receipt should have all the correct information about the user that was indicated in the user sign up
Notes	User should have indicated their personal information when signing up

Test ID	14
Category	Evaluation of Receipt page
Requirements Coverage	UC6-Main-Page-Button-Receipt-Page
Initial Condition	System has been initiated and runs. A user that has signed up already logs in.
Procedure	1. Dutch auction 2. Auction ended due to purchase 3. Winner decided to pay 4. Payment has been cleared 5. Receipt page was generated 6. Winner presses back to home page button

Expected Outcome	The user should be returned back to the home page screen while still being logged in (session still kept).

Test ID	15
Category	Evaluation of sell item button on main page
Requirements Coverage	UC7-Sell-Item-Button
Initial Condition	System has been initiated and runs. A user that has signed up already logs in.
Procedure	1. User clicks a button on the home page to sell an item.
Expected Outcome	An html page should be shown that allows the seller to upload information about the item to sell.

Test ID	16
Category	Evaluation of selling procedure
Requirements Coverage	UC7-Missing-Item-Information-Sell-Item-Procedure
Initial Condition	System has been initiated and runs. A user that has signed up already logs in.
Procedure	1. User clicks a button on the home page to sell an item. 2. An html page pop ups that allows the seller to input information about the item 3. User fills in fields; forward auction, duration time, starting bid price 4. User does not put information about the item 5. User presses the confirm button
Expected Outcome	A prompt should be shown to the user that tells them that item information is missing. The item should not be added to the database