

High level requirement

1. User can log in

- *the log in page must display Username and Password fields and a log in button*
- *The Password entered by the user must be marked “masked”(hidden) for security purposes.*
- *The system must cross referenced with the database and only allowed valid username with password to be proceed*
- *For invalid username or password, an explicit and clear error message need to be showed.*
- *The user must be able to proceed to the homepage of the website after successful log in.*

2. User can see the the product list

- *The inventory page must display a minimum of 6 products with corresponding details*
- *Each products must display a unique image according to the title of the products, a brief description and the price.*
- *Products images must load without distortion or substitution (the dog picture) and match the title of the products that are sold*
- *the page must include sorting functionality (e.g. Name A-Z, price high-low)*
- *the sorting function must be execute properly and response time should be as small as possible*

3. User can see Navigation menu

- *The navigation menu must be consistently available on the main homepages*
- *the menu must be included “all items”, “about”, “logout”, “reset app state”.*
- *Clicking “reset app state” must empty the cart and clear the application local session data.*
- *Clicking log out must log out the user from this account with redirecting elsewhere*

- Clicking “all items” redirect the user to the homepage
- the menu panel when opened must not visually obscure the or cut off the primary content behind it.
- For the “about” button
 - i. the logo and other promotional picture must be visually accessible with out any error.
 - ii. Any redirect link must have corresponding webpage for that link

4. User can add the product to the cart using “add to cart”

- Clicking the “add to cart” button must instantly add the exact product and price displayed to the cart
- The product name (name and price) stored in the cart must exactly match the data displayed on the products list page
- upon successful addition, the “add to cart” button must instantly switch to “remove”
- the “add to cart” button must be robust and register a click even if it was clicked multiple time
- clicking the “remove” button must instantly remove the item from the cart

5. User can checkout using the “cart” button

- A visible Cart Icon (with item count badge) must be present on the top right of the screen.
- Clicking the Cart Icon must redirect the user to the dedicated "Your Cart" page.
- The "Your Cart" page must display the name, quantity, and unit price of every selected item.
- User must have the option to change the quantity of a product to maximum allowable from the supplier, which may be a variable from product to products.
- A clearly visible "Checkout" button must be present on the "Your Cart" page.
- The layout and placement of the "Checkout" button must be intuitive and consistent with standard e-commerce sites.

6. User can see the list of the product he have selected

- The page must accurately reflect the contents of the cart immediately after any "Add" or "Remove" action.
- The user must be able to modify the quantity (if supported) or remove items directly from this list.
- A "Continue Shopping" button must be available to return to the Inventory page.
- The total item count on the Cart Icon badge must be accurate and synchronized with the items listed on the page.

7. User can fill up the info in the form

- The form must require First Name, Last Name, and Zip/Postal Code fields to be filled
- All required input fields must be functional and accept text input immediately upon focusing.
- The Zip/Postal Code field must perform numeric input validation, rejecting alphabetical characters.
- Attempting to proceed without filling all required fields must display a specific validation error.

8. User can see the purchase overview

- The page must list all items being purchased with correct quantity and price
- The price breakdown must be clearly presented, showing: Item Total, Tax Amount, and Final Total.
- The calculated Total must be accurate (Item Total + Tax) and must not be \$0.00 if items are present.
- The page must display placeholders for Payment Information and Shipping Information.
- A "Finish" button and a "Cancel" button must be clearly visible.

9. User can complete the transaction

- Clicking the "Finish" button must successfully initiate and complete the order process
- The "Finish" button must be consistently functional and accessible on the page.
- Upon successful completion, the user must be redirected to an Order Confirmation page (e.g., "Checkout Complete").
- The confirmation page must display a success message and ideally, an image or icon confirming the order.
- After order completion, the user's cart must be automatically cleared.