**Suggestions**

**Signup Field Validation**

* Trim leading/trailing whitespaces in username, email, and password fields.
* Add stronger validation for empty or whitespace-only inputs.
* Show clear error messages for invalid formats (ex., “Email format invalid” or any invalid formats for username).

**Password Rules**

* Reject passwords that are empty or contain only whitespace. Show clear validation error message such as:

“Password cannot be empty or contain only spaces.”

* Enforce stronger password policy (minimum 8 chars, 1 uppercase, 1 lowercase, 1 digit).
* Show live password strength indicator for better UX.
* Display specific error messages instead of generic “Invalid password.”

**Username / Display Name**

* Restrict to letters, numbers, “.”, “\_”, “-” only.
* Enforce 3–30 character length limit.
* Show instant feedback if username already exists.

**Cart:**

* Currently, when the same product is added multiple times, each addition creates a separate line item instead of updating the quantity.

This leads to duplicate rows and confusing totals for users.  
Introduce a quantity selector (e.g., numeric input box or ↑ / ↓ arrows) beside each product in the cart.

When the same item is added again, simply increment the quantity instead of duplicating the product line.

**Checkout**

* All the fields for placing order should be mandatory
* For country, use a country dropdown (not free text) to standardize country codes and make the dropdown as mandatory (without country and city shipment is not possible)
* Prevent checkout if cart is empty
* Card number: numeric only
* Expiry date: valid month/year and not in the past.
* CVV: correct length (3 for Visa/MC, 4 for Amex).
* Card type detection (Visa/Mastercard/Amex) for UI hints.

**Logout:**

* Currently, when a user logs out, there is no success message or visual confirmation.

The page silently reloads, which may confuse users about whether logout actually happened.

Display a confirmation toast or alert, such as:

“You have been logged out successfully.”

**Products Navigation**

* The “Previous” and “Next” buttons in the pagination are not working as expected.

Clicking “Next” sometimes does not load the next set of products, or the same items are repeated.

“Previous” occasionally becomes inactive even when more items exist to display.

* Ensure that “Next” loads the correct subsequent products (e.g., products 7–12 after 1–6).
* Ensure “Previous” navigates back to the immediately preceding set without skipping or looping incorrectly.
* Disable buttons when at the first or last page of results to avoid confusion.
* Optionally, show page indicators (e.g., “Page 2 of 5”) for better navigation clarity.

**Contact Form**

The email field in the Contact form currently accepts any input (e.g., plain text or numbers) without validation.

Add email format validation to the input field

Display an inline error message if the entered value doesn’t match a valid email format.

Example message: *“*Please enter a valid email address”