Tab 1

After reviewing both the UI Part behavior and the API Part, Here is a clear breakdown of what is working and what is not working perfectly. My analysis and recommendation is given below as a summary.

**UI FEEDBACK:** The user interface is mostly functional and does not have any major bugs, but there are several areas where the user experience can be improved:

#### Key Observations:

* Users should be able to clearly select color and size options before adding a product to the cart.
* When selecting a size ( “S”), the product should not automatically switch to a default color like black unless the user specifically selects it.
* After selecting all required options, the message “Please select variant options” should disappear—right now, it stays even when everything is selected.
* When trying to add more than the allowed number of items (like 8), nothing happens and no error message is shown. There should be a clear message explaining what went wrong.
* If the cart is empty, the UI should show that properly.

#### **Overall Impression:**

The UI design and functionality are mostly on track. There are no critical issues, but it does need some polishing and bug fixing to make the user journey smoother and more intuitive.

Tab 2

**API FEEDBACK:** This is where most of the critical issues are happening. During testing, we ran into repeated problems with the Add to Cart API, which affects key functionality on the site.

#### Major API Issues:

1. Bug: Add to Cart fails randomly
   * Sometimes, when trying to add a product (Nike Odyssey React Flyknit 2), the API returns a 500 Internal Server Error, even though the product is valid.
   * This happens inconsistently, making it hard to trust the system.
2. Bug: Can not add more than 7 items—even when in stock
   * Even when 7 items are in stock, trying to add them causes the API to fail with a 500 error.
   * This suggests a backend logic issue related to quantity limits or stock validation.
3. Bug: Can not show same product which is added to the cart
   * When add the color black and size small it gives pink color and XL size
   * This is a very big issue

#### **Overall Impression:**

The API is causing critical failures in core features. These issues need to be fixed as a top priority because they directly impact the shopping experience and can result in lost sales.

### **Conclusion:**

### **UI Side:** No major blockers, but there are **several small bugs and UX flaws** that need to be cleaned up. **API Side:** There are **major issues** that affect cart functionality and product purchases. These bugs must be resolved quickly to ensure a reliable user experience.

### **Next Steps:** Fix the API bugs first—especially around Add to Cart and quantity handling.Refine the UI behavior for better user feedback and flow.Re-test after fixes to confirm stability and a smooth experience.