

User Acceptance Testing (UAT) Template

Date	10-4-2025
Team ID	SWTID1743605259
Project Name	ShopEZ
Maximum Marks	

Performance Testing Strategy

The strategy involves conducting tests across different devices, network conditions, and various load scenarios to ensure a consistent and optimal user experience. The tests are performed at both the component and end-to-end levels. The primary objectives for the performance testing of the ShopEZ Website are:

- Verifying system responsiveness and speed under various user loads.
- Ensuring reliability during high transaction volumes (e.g., product purchases, adding to the cart).
- Monitoring system behavior under stress to identify breaking points.

SCOPE OF TESTING:

Testing Area	Details
Frontend Performance	Measure component load time, UI responsiveness, React components, and lazy loading functionality.
Backend API Performance	Check backend API speed for product data fetch, user authentication, cart management, and order processing.
Database Performance	Test MongoDB query performance, focusing on product retrieval, order management, and user actions.
Payment Processing	Test payment gateway integration, focusing on latency, reliability, and handling transaction volumes.
File Upload Performance	Evaluate image upload speed, especially for larger files and under varying network conditions.
Concurrent User Handling	Test how the website handles multiple users interacting simultaneously, such as adding products to cart.

TEST CASE:

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
TC-001	User Login	1. Open login page → 2. Enter credentials → 3. Click login	Redirected to homepage	User logged in successfully	Pass
TC-002	Product Browsing	1. Login → 2. Navigate to product page → 3. Apply filters	Filtered results appear	Filters worked as expected	Pass
TC-003	Add to Cart	1. Click product → 2. Click 'Add to Cart'	Product added to cart	Product appeared in cart	Pass
TC-004	Admin Login	1. Open admin login page → 2. Enter credentials	Admin dashboard loads	Admin logged in successfully	Pass
TC-005	Place Order	1. Add item to cart → 2. Checkout → 3. Confirm Order	Order placed and confirmation shown	Order confirmed and displayed	Pass

Bug ID	Bug Description	Steps to Reproduce	Severity	Status	Additional Feedback
BG-001	Cart quantity does not update	1. Add item → 2. Try changing quantity → 3. Cart total wrong	Medium	In Progress	Causes billing confusion