

User Acceptance Testing (UAT) Template

Date	28 June 2025
Team ID	LTVIP2025TMID51358
Project Name	ShopSmart: Your Digital Grocery Store Experience
Maximum Marks	

Project Overview:

Project Name: ShopSmart: Your Digital Grocery Store Experience

Project Description: A full-stack MERN e-commerce web application designed for digital grocery shopping. It includes features such as user authentication, product browsing, shopping cart management, order placement, and administrative functionalities for inventory and user management.

Project Version: 1.0.0 (Initial Release)

Testing Period: 27 June 2025to 28 June 2025

Testing Scope:

This UAT aims to validate the application's performance from an end-user perspective during critical workflows, ensuring a smooth and responsive user experience. It does not replace dedicated load or stress testing but focuses on user-perceived speed and fluidity.

- **Page Load Times:** Key pages (Home, Product Catalog, Product Details, Cart, Checkout, Admin Dashboard) load within acceptable timeframes.
- **Interaction Responsiveness:** User interactions (e.g., adding to cart, submitting forms, applying filters) respond promptly without noticeable lag.
- **Data Retrieval Speed:** Display of lists (products, orders, users) and individual item details occurs quickly.
- **Navigation Fluidity:** Transitions between pages and within sections are smooth.
- **Form Submission Latency:** Time taken to process and confirm form submissions (e.g., login, registration, order placement).

Testing Environment:

URL/Location

•**Frontend (User-facing):**`http://localhost:3000`

•**Backend API:**`http://localhost:5100` (internal API endpoint)

Credentials (if required):

•**Standard User:**`user@example.com / password123` (or any newly registered user)

•**Admin User:**`admin@example.com / adminpass` (or any newly registered admin user)

Test Cases:

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
TC-001	Initial Application Load & Product Catalog Display	1. Clear browser cache and cookies. 2. Open <code>http://localhost:3000</code> in the browser. 3. Observe the loading time of the Home Page. 4. Navigate to the Product Catalog (if not already on the homepage) and observe its load time and product rendering speed.	Home Page loads within 5 seconds . Product Catalog page loads (all products and images visible) within 5-7 seconds on a standard internet connection. Scrolling through products is smooth.	Home pageload within 5 seconds. Product catalog page load(all product and images).It takes time within 5-7 on a standard internet connection. Scrolling through products is Smooth.	pass
TC-002	User Login Responsiveness	1. Navigate to the Login Page (<code>/login</code>). 2. Enter valid user credentials. 3. Click the "Login" button. 4. Observe the time taken to authenticate and redirect to the dashboard/homepage.	Login process completes and redirects within 2-3 seconds . No noticeable lag.	Login process and redirects within 2-3 Seconds. No noticeable lag	pass
TC-003	Add to Cart Interaction Speed	1. Browse the Product Catalog. 2. Click the "Add to Cart" button on several different	Each "Add to Cart" action completes instantly (within	Each "Add to cart action done and with	pass

		products sequentially (e.g., 3-5 products). 3. Observe the responsiveness of the cart quantity update (e.g., cart icon badge, notification).	0.5-1 second). The cart counter updates without delay.	instantly within 0.5-1 second). The cart counter updates without delay	
TC-004	Checkout Process Fluidity	1. Ensure there are items in the shopping cart. 2. Navigate to the "My Cart" page. 3. Click the "Proceed to Checkout" button. 4. Fill in all required shipping/payment details. 5. Click the "Place Order" button. 6. Observe the time taken for order confirmation and redirection (if any).	Each step of the checkout process (loading pages, form submission) completes within 2-4 seconds . Order confirmation is displayed promptly.	Each step all the checkout process (loading pages, form submission) completes within 2-4 seconds. Order confirmation is displayed promptly.	pass
TC-005	Admin Dashboard Responsiveness (Product List)	1. Log in as an Admin user. 2. Navigate to the "Products" management section within the Admin Dashboard. 3. Observe the loading time of the product list, especially if there are many items. 4. Try sorting/filtering (if available) and observe responsiveness.	Admin product list loads within 3-5 seconds . Filtering/sorting actions respond within 1-2 seconds .	Admin product list loads within 3-5 seconds . Filtering/sorting actions respond within 1-2 seconds .	pass
TC-006	Admin Product Creation/Update	1. Log in as an Admin. 2. Navigate to "Add Product" or "Update Product". 3. Fill in all necessary	Product creation/update operation completes	Product creation/update operation.	pass

	Latency	details for a new product, or modify an existing one. 4. Click the "Save" or "Add Product" button. 5. Observe the time taken for the operation to complete and the confirmation/redirect ion.	within 2-3 seconds , with immediate feedback (e.g., success message or updated list).	completes within 2-3 seconds , with immediate feedback (e.g., success message or updated list).	
TC-00	Search Functionality Performance	1. On the Product Catalog page, use the search bar. 2. Type in a common product name (e.g., "milk", "bread"). 3. Observe how quickly results appear as you type or after hitting Enter. 4. Try a more generic search term or one that yields many results.	Search results appear within 1-2 seconds for typical queries. No significant delay or freezing of the UI during search.	Search results appear within 1-2 seconds for typical queries. No significant delay or freezing of the UI during search.	pass

Bug Tracking:

Bug ID	Bug Description	Steps to reproduce	Severity	Status	Additional feedback
BG-001	Slow initial load of product images on Home/Catalog page.	1. Clear browser cache. 2. Open <code>http://localhost:3000</code> . 3. Observe images loading one by one over several seconds, especially on slower networks.	High	Open	Images may not be optimized for web or lazy-loaded. Impacts first impression.
BG-002	...Lag when adding multiple items to cart quickly.	1. Log in as a user. 2. Go to Product Catalog. 3. Rapidly click "Add to Cart" on 5-10 different products.	Medium	In Progress	UI becomes unresponsive briefly; may be due to multiple rapid state updates or backend calls.
BG-003	Admin panel product list takes too long to render with >100 products.	1. Log in as Admin. 2. Navigate to "Manage Products". 3. Ensure more than 100 products exist in DB. 4. Observe page load time.	High	Open	Potentially large data transfer or inefficient rendering; pagination or virtualization might be needed.
BG-004	Scrolling is choppy on Product Catalog page on mobile devices.	1. Open <code>http://localhost:3000</code> on a mobile device or resize browser to mobile view. 2. Scroll through the product list rapidly.	Medium	Open	Could be due to heavy DOM elements or non-optimized rendering for mobile.

Sign-off:

Tester Name: R.Sumanth

Date: 28 June 2025

Signature: R.Sumanth

Notes:

- Ensure that all test cases cover both positive and negative scenarios.
- Encourage testers to provide detailed feedback, including any suggestions for improvement.
- Bug tracking should include details such as severity, status, and steps to reproduce.
- Obtain sign-off from both the project manager and product owner before proceeding with deployment.