

## User Acceptance Testing (UAT) Template

Date	20 February 2026
Team ID	LTVIP2026TMIDS41763
Project Name	ShopEZ:One-Stop Shop for Online Purchases
Maximum Marks	

### Project Overview:

Project Name: ShopEZ:One-Stop Shop for Online Purchases

Project Description: ShopEZ is a MERN-based ecommerce web application that provides a secure and user-friendly online shopping platform. It enables users to register, browse products, manage cart items, place orders, and complete payments using Razorpay. The system includes role-based access control for customers and administrators. It uses JWT authentication and MongoDB Atlas for secure and scalable data management.

Project Version: v1.0

Testing Period: 1 FEB 2026 to 29 FEB 2026

### Testing Scope:

List of Features and Functionalities to be Tested

#### 1. Authentication Module

- New user registration with email & password
- Validation for duplicate email
- Secure login with JWT token generation
- Password hashing using bcrypt
- Logout functionality
- Protected API route validation

#### 2. Product Module

- Fetching all products from MongoDB
- Viewing product details
- Admin adding new products
- Admin updating product details
- Admin deleting products

#### 3. Cart Module

- Add product to cart
- Update product quantity in cart
- Remove product from cart
- Dynamic total price calculation

- Cart data persistence

#### 4. Order Module

- Create new order from cart
- Generate unique order ID
- Store order details in database
- View order history
- Update order status

#### 5. Payment Module

- Create Razorpay order
- Open Razorpay payment gateway
- Handle successful payment
- Handle failed or cancelled payment
- Store transaction ID in database

#### 6. Admin Module

- Admin login
- Manage users
- Manage products
- Monitor orders

### List of User Stories or Requirements to be Tested

#### Sprint 1 – Core Features

- USN-1: User can register with valid details
- USN-2: User can login using email & password
- USN-3: System generates JWT token after login
- USN-4: User can view product listings
- USN-5: Admin can add and manage products

#### Sprint 2 – Advanced Features

- USN-6: User can add products to cart
- USN-7: User can update or remove cart items
- USN-8: User can place an order
- USN-9: User can complete online payment using Razorpay
- USN-10: User can view order history

#### **Testing Environment:**

Components	Details
Backend URL	http://localhost:5000
Frontend URL	http://localhost:3000
Frontend URL for Admin	http://localhost:3000/admin
DataBase	MongoDB Atlas(Cloud)

### Test Credentials:

Role	Email	Password
USER	Premloki2005@gmail.com	Lokitha@123
VENDOR	Lokitha891@gmail.com	Lokitha@123
ADMIN	admin@gmail.com	Admin@123

### Test Cases:

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
TC-001	User Registration with valid data	1. Open Register page2. Enter valid name, email & password3. Click Submit	User account created and redirected to login/dashboard	Account created successfully	Pass
TC-002	Registration with existing email	1. Enter already registered email2. Click Submit	Error message: Email already exists	Proper validation message displayed	Pass
TC-003	User Login with valid credentials	1. Enter correct email & password2. Click Login	JWT token generated and user redirected to dashboard	Login successful	Pass
TC-004	User Login with invalid password	1. Enter wrong password2. Click Login	Error message: Invalid credentials	Error displayed correctly	Pass
TC-005	View Product Listing	1. Login2. Open Home page	Products fetched and displayed	Products displayed correctly	Pass
TC-006	Add Product to Cart	1. Select product2. Click Add to Cart	Product added to cart and cart count updated	Product added successfully	Pass
TC-007	Update Cart Quantity	1. Open Cart2. Increase quantity	Cart total updated correctly	Total recalculated	Pass
TC-008	Place Order	1. Go to Cart2. Click Checkout	Order created and stored in database	Order ID generated successfully	Pass

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
TC-009	Razorpay Payment Success	1. Click Pay Now 2. Complete payment	Payment marked successful and order status updated	Payment success & DB updated	Pass
TC-010	Admin Add Product	1. Login as Admin 2. Add new product	Product stored in database and visible in listing	Product added successfully	Pass

#### Bug Tracking:

Bug ID	Bug Description	Steps to Reproduce	Severity	Status	Additional Feedback
BG-001	Cart items not updating immediately after refresh	1. Add product to cart 2. Refresh page 3. Open cart	Medium	Closed	Issue fixed by updating state management logic
BG-002	Invalid login error message not displayed clearly	1. Enter wrong password 2. Click Login	Low	Closed	Improved error handling with proper validation message
BG-003	Payment status not updating instantly after success	1. Complete Razorpay payment 2. Check order status	Medium	Closed	Added backend payment verification API
BG-004	Duplicate product allowed in admin panel	1. Add product with same name 2. Submit form	High	Closed	Added unique validation in database
BG-005	Weak password accepted during registration	1. Enter short password 2. Submit registration	High	Closed	Added password length validation

#### Sign-off:

Tester Name: Lokitha, Pradeep Reddy, Sai Dhiraj Kumar

Date: 21-02-2026

Signature: Lokitha