Functional & Performance Testing

Model Performance Test

Date	18 February 2026
Team ID	LTVIP2026TMIDS83223
Project Name	Shopez-one stop shop for Online Products
Maximum Marks	

Test Scenarios & Results

Test Case ID	Scenario (What to test)	Test Steps (How to test)	Expected Result	Actual Result	Pass/Fail
FT-01	User Registration	Enter valid & invalid user details	Valid registration succeeds; errors for invalid input	Registration works correctly	Pass
FT-02	User Login	Enter correct & incorrect credentials	Login success for valid; error for invalid	Authentication works	Pass
FT-03	Admin Login	Login with predefined admin credentials	Admin dashboard opens	Admin access granted	Pass
FT-04	Product Listing	Load product page	Products display from MongoDB	Products shown correctly	Pass
FT-05	Add Product (Admin)	Add new product from admin panel	Product stored in DB & visible in UI	Product added successfully	Pass
FT-06	Edit/Delete Product	Modify or remove product	Database updates & UI reflects changes	Update/Delete successful	Pass
FT-07	Add to Cart	Click add-to-cart button	Item added to user cart	Cart updated correctly	Pass
FT-08	Update Cart	Change quantity/remove item	Cart recalculates total price	Cart updates correctly	Pass
FT-09	Checkout Process	Place order with cart items	Order stored & cart cleared	Order placed successfully	Pass
FT-10	Order History	View past orders	User order history displayed	Orders shown correctly	Pass

Test Case ID	Scenario (What to test)	Test Steps (How to test)	Expected Result	Actual Result	Pass/Fail
FT-11	Payment Integration	Simulate payment selection	Payment status stored & order updated	Payment recorded successfully	Pass

Performance Testing

Test Case ID	Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
PT-01	Page Load Time	Load homepage and product pages	Page loads in less than 2 seconds	~1.5 seconds	Pass
PT-02	API Response Time	Fetch products using REST API	Fast and consistent API response	Stable and quick response	Pass
PT-03	Concurrent Users	Multiple users add items to cart simultaneously	System handles requests without crash	Stable performance	Pass
PT-04	Database Query Speed	Search/filter products	Quick data retrieval from MongoDB	Fast retrieval	Pass
PT-05	Order Processing Load	Multiple users place orders at the same time	Orders saved correctly without data loss	Stable and successful processing	Pass