Functional & Performance Testing

Model Performance Test

Date	19 February 2026
Team ID	LTVIP2026TMIDS45121
Project Name	shopsmart: your digital grocery store experience
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 DB	Products shown correctly	Pass
FT-05	Add Product (Admin)	Add new product from admin panel	Product stored in DB & visible	Product added	Pass
FT-06	Edit/Delete Product	Modify or remove product	DB updates & UI reflects	Update successful	Pass
FT-07	Add to Cart	Click add-to-cart button	Item added to user cart	Cart updated	Pass
FT-08	Update Cart	Change quantity/remove item	Cart recalculates total	Cart updates	Pass

FT-09	Checkout Process	Place order with cart items	Order stored & cart cleared	Order placed	Pass
FT-10	Order History	View past orders	User orders displayed	Orders shown	Pass
FT-11	Payment Integration	Simulate payment selection	Payment status stored	Payment recorded	Pass

Performance Testing

Test Case ID	Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
PT-01	Page Load Time	Load homepage/products	< 2 seconds	~1.5 sec	Pass
PT-02	API Response	Fetch products API	Fast response	Stable	Pass
PT-03	Concurrent Users	Multiple users add cart	No crash	Stable	Pass
PT-04	DB Query Speed	Search products	Quick retrieval	Fast	Pass
PT-05	Order Processing Load	Multiple orders placed	Orders saved correctly	Stable	Pass