

Performance Testing Phase

Date	16-07-2025
Team ID	PNT2025TMID10144
Project Name	ShopEZ E-commerce website
Maximum Marks	2 Marks

Objective of Testing

The primary goal of testing is to verify that ShopEZ meets its functional and non-functional requirements, identify and fix bugs, ensure usability, and guarantee system stability before deployment.

Type	Description
Unit testing	Tested individual modules like Login, Register, Add to Cart, Buy Now, etc., using Mocha/Chai (for Node.js backend).
Integration testing	Verified that components like user authentication, product filtering, and order management work together smoothly.
functional Testing	Ensured that features like login/signup, add to cart, wishlist, checkout, and admin panel perform expected functions.
Performance Testing	Simulated high user traffic to test response times and server load-handling capability.
Security Testing	Security Testing Tested for common vulnerabilities like SQL Injection, XSS, CSRF, and secure password handling using bcrypt.

Test Cases and Results

Test Case ID	Module	Test Description	Expected Result	Actual Result	Status
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TC_001	Login	User logs in with valid credentials	Redirect to homepage	Passed	PASS
TC_002	Register	New user registration	Account created	Passed	PASS
TC_003	Add to cart	Add product to cart	Product appears in cart	Passed	PASS
TC_004	Wishlist	Add item to favorites	Appears in favorites tab	Passed	PASS
TC_005	Checkout	Order placement	Order confirmation shown	Passed	PASS
TC_006	Admin Login	Admin logs in	Redirect to Dashboard	Passed	PASS
TC_007	Filtering	Filter products by category/brand	Correct results shown	Passed	PASS
TC_008	Payment redirect	Payment page loads after Buy Now	Redirection successfully	Passed	PASS

Bug Reporting & Fixing

All bugs were tracked using a simple bug sheet (manual or Trello board). Critical bugs were resolved and retested before final build.

Conclusion

All core functionalities of ShopEZ were tested thoroughly. The application passed all major test cases and is now stable for deployment.