

Team members :

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Project website :

<https://demo.nopcommerce.com>

Project objectives ;

The objectives of software testing for e-commerce websites focus on ensuring functionality, security, performance, and user experience. Here are the key objectives:

1- Functionality Testing

- Ensure that all core features (product search, filtering, cart, checkout, and payment processing) work correctly.
- Validate links, buttons, and forms (e.g., login, registration, contact forms).
- Test product pages, descriptions, and image galleries for correctness.

2- Usability Testing

- Verify that the website is user-friendly and easy to navigate.
- Ensure smooth interactions on different devices and screen sizes.
- Test the checkout process for simplicity and efficiency.

3- Performance Testing

- Measure page load speed and responsiveness.
- Test website behavior under high traffic loads (load testing).

4- Compatibility Testing

- Ensure the website works on different browsers (Chrome, Firefox, Safari, Edge).
- Verify functionality across various devices (desktop, mobile, tablet).
- Test different operating systems (Windows, macOS, iOS, Android).

5- Database Testing

- Verify data integrity for user accounts, orders, and inventory.
- Test proper data storage and retrieval.
- Ensure database security and prevent unauthorized access.

6- Regression Testing

- Re-test after updates or bug fixes to ensure existing features work fine.
- Automate regression tests for efficiency in frequent updates.