**1: Functional Testing Checklist for E-commerce Website**

User Registration:

Verify that users can successfully register with valid information.

Confirm that error messages are displayed for invalid inputs.

Test the password reset functionality.

Product Search:

Ensure that search results are accurate and relevant.

Check for pagination and sorting options.

Verify that filters and categories work as expected.

Shopping Cart:

Confirm that items can be added, removed, and updated in the cart.

Check for the correct calculation of total prices.

Test the checkout process, including payment and order confirmation.

User Profile:

Ensure users can update their profiles and change passwords.

Verify that user-specific information is displayed correctly.

Test any personalized features like order history.

Cross-browser Compatibility:

Check the website's functionality across different web browsers (Chrome, Firefox, Safari, Edge).

Verify responsive design on various devices (desktop, tablet, mobile).

**2: Non-Functional Testing Checklist for Mobile App Performance**

Load Testing:

Assess how the mobile app handles a high volume of concurrent users.

Test for server response times and identify potential bottlenecks.

Security Testing:

Check for vulnerabilities like data leaks and unauthorized access.

Verify that sensitive data is encrypted during transmission.

Usability and Accessibility:

Evaluate the app's user interface for ease of navigation and user-friendliness.

Ensure that the app complies with accessibility standards (WCAG, Section 508).

Scalability:

Test the app's performance as the database size or user base grows.

Verify that it can handle future increases in load.

Network Conditions:

Test the app's performance under various network conditions (3G, 4G, Wi-Fi).

Assess how it handles network interruptions and reconnects.

**3: Functional Testing Checklist for Banking Software**

User Authentication:

Verify that users can log in with valid credentials.

Test multi-factor authentication (if applicable).

Ensure account lockout mechanisms work.

Transaction Processing:

Test fund transfers between accounts.

Confirm bill payments and deposits function correctly.

Check for transaction history accuracy.

Account Management:

Verify that users can create, modify, and close accounts.

Test overdraft protection and account balance calculations.

Security and Compliance:

Check for encryption of sensitive data (e.g., Social Security numbers).

Ensure compliance with regulatory requirements (e.g., GDPR, HIPAA).

Integration with External Systems:

Test integrations with payment gateways and external financial systems.

Verify that data synchronization is accurate.