Software Testing Types

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Functional Testing

Focuses on verifying if the software meets its intended requirements and performs as expected. It involves testing features, functionalities, and user interactions.

Performance Testing

2

Evaluates the software's performance under various conditions, such as load, stress, and response time. It aims to identify bottlenecks and optimize performance.

3

Security Testing

Identifies vulnerabilities and security flaws in the software. It includes penetration testing, vulnerability scanning, and authentication checks.

Usability Testing

Focuses on the user experience, evaluating the software's ease of use, intuitiveness, and overall user satisfaction. It often involves user feedback and observations.

Regression Testing

Ensures that recent code changes haven't negatively impacted existing functionality. It involves retesting previously tested areas after modifications.

Software Testing Summary

Understanding different testing types is key to a robust software development process. By implementing various types, you can ensure quality, performance, and security.