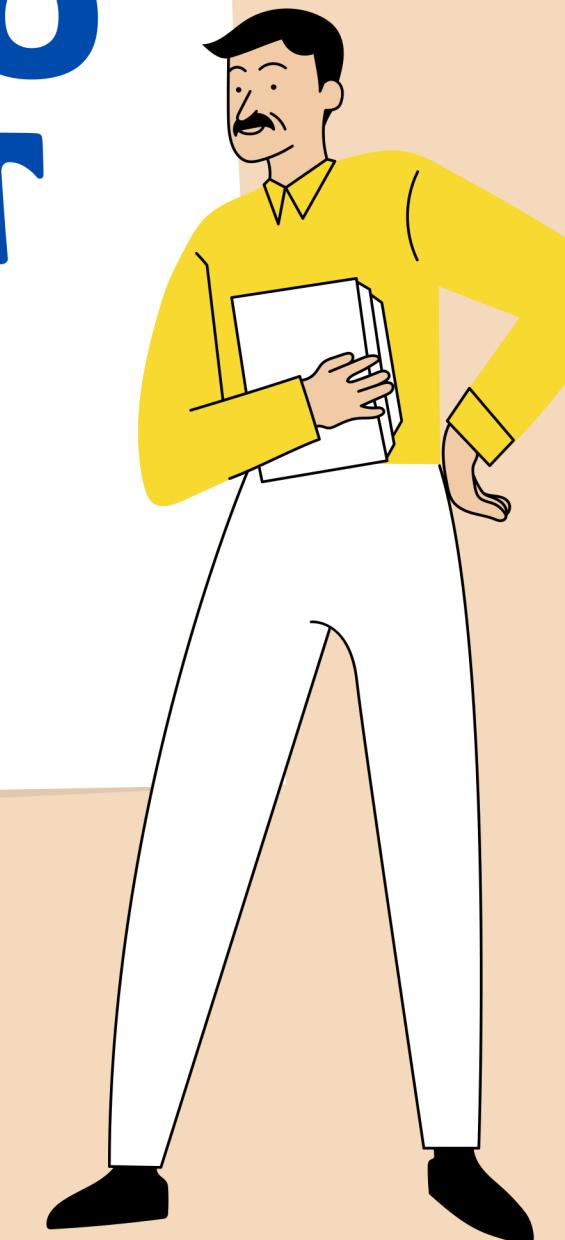


NON FUNCTIONAL TESTING EXPLAINED

WHAT TO EXPECT



1

Introduction to Non Functional Testing

2

Why is it important ?

3

Common types of Non Functional Testing

4

Best Practices for Non Functional Testing

5

Challenges in Non Functional Testing

Introduction to Non Functional Testing

- Non Functional Testing refers to the testing of a software application or system's performance, reliability, usability, and other attributes that are not directly related to its functionality.
- It focuses on evaluating the system's behavior under different conditions and assessing its compliance with non-functional requirements.

Intro



Why is it important ?

- Ensures the overall quality and performance of the software or system.
- Helps identify and mitigate risks associated with non-functional aspects, such as scalability, security, and user experience.
- Enhances user satisfaction by addressing performance bottlenecks and usability issues.
- Assists in meeting regulatory compliance and industry standards.
- Contributes to optimizing system resources, such as memory and processing power.

Common types of Non Functional Testing

- Performance Testing
- Security Testing
- Usability Testing
- Compatibility Testing
- Reliability Testing
- Scalability Testing
- Maintainability Testing



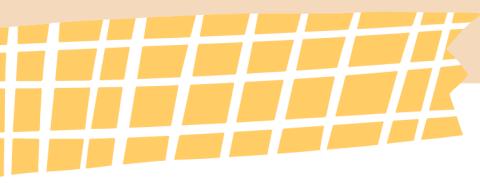
Best Practices for Non Functional Testing

- It's important to identify the non functional requirements of the software and design test cases accordingly. This will help in measuring the software's performance against the expected benchmarks.
- Secondly, it's recommended to use automated testing tools to streamline the testing process. This will help in achieving consistency and accuracy in the test results.
- Thirdly, it's important to simulate realistic test scenarios that mimic real-world usage. This will help in identifying performance bottlenecks and addressing them before the software goes live.
- Lastly, it's important to continuously monitor and analyze the software's performance in production to identify and fix any performance issues that arise. This will help in ensuring that the software meets the required performance standards throughout its lifecycle.

Challenges in Non Functional Testing

- Complexity of Systems
- Defining Measurable Criteria
- Test Environment Replication
- Resource Limitations
- Expertise and Tools
- Time and Cost Constraints
- Interdependencies and External Factors





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See you in Next Video

