SYSTEM TESTING

WHAT TO EXPECT

Introduction to System Testing

- System Testing is a critical phase in the software development life cycle.

- It evaluates the entire system's functionality to ensure it meets the specified requirements.

- This presentation will cover the various aspects of System Testing and its importance in delivering a reliable and high-quality product.

SYSTEM TESTING IS A COMBINATION OF BOTH FUNCTIONAL AND NON-FUNCTIONAL TESTING.

System Testing Process

- **Test Planning:**

  - Define objectives, scope, and test criteria.

  - Identify test scenarios and create test cases.

- **Test Execution:**

  - Execute test cases and record results.

  - Identify and log defects for resolution.

- **Regression Testing:**

  - Ensures that new changes or fixes do not introduce new defects.

  - Re-tests previously tested functionality.

- **Test Reporting:**

  - Document test results, including defects and test coverage.

  - Communicate findings to stakeholders.

System Testing

1 Test Planning

2 Test Execution

3 Regression Testing

4 Test Reporting

Benefits of System Testing

- **Early Bug Detection:**

  - Helps catch defects before the product reaches the end-users.

  - Reduces the cost and effort of fixing issues in later stages.

- **Improved Software Quality:**

  - Ensures that the system functions correctly and meets all requirements.

  - Enhances user satisfaction and customer trust.

- **Risk Mitigation:**

  - Identifies potential risks and issues in the system.

  - Allows for proactive risk management and mitigation.

- **Compliance and Security:**

  - Verifies compliance with industry standards and regulations.

  - Identifies security vulnerabilities and helps protect sensitive data.

BENEFITS

Conclusion

- System testing helps identify and uncover defects, bugs, and errors within the entire software system

- System testing verifies that all the features and functions of the software work as intended.

- System testing assesses how different components of the software interact with each other, ensuring proper integration.