

Requirement doc review

Design doc review

Group review

This meeting is performed by author of the document to check the errors & to achieve a common understanding and to gather feedback.

• Formal then review meeting
• Discuss at peer level
• Useful for higher level documents like requirement specification

Inspect Doc

Inspection is the most formal review meeting type.

Before inspection, the documents are prepared and checked thoroughly by the reviewers.

With this meeting, the document being reviewed is finalized.

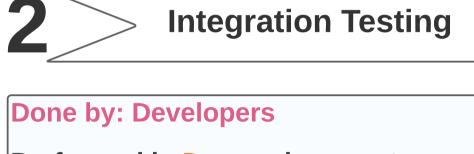
What are the 4 levels of software Testing?



Done by: Developers

Performed in Dev environment

Unit Testing is done to check isolated of individual unit code and verify its correctness.



Performed in Dev environment

Integration Testing is checking data transfer and connectivity between a couple of units.

3 System Testing

Done by: Testers

Performed in QA environment

System Testing is performed on the software itself by checking every single item to validate if the application quality meets the client's requirement. It divides to Functional and Non-Functional testings.

User Acceptance Testing (UAT)

Done by: The client, End user, Testers

Performed in staging environment

The goal of UAT testing is to evaluate the software weather it's acceptable for delivery. In UAT, mainly test based on the real world scenarios. It has 2 categories, Alpha testing and Beta testing.

What is Functional or Non-Functional testing?

Functional Testing

Functional testing is to **validate** the **every function** of a software as per the functional requirements.

Testers test all 3 layers of the application functionality on a daily basis. (front-end/UI, database, and API)

Done by QA automation engineers / SDET.

Non - Functional Testing

Non-Functional testing focus on a software's **performance**, **security**, **volume**, load, etc parts which is not related to functionality. Done by performance test engineers, and security engineers.

What is Alpha or Beta testing?

Alpha Testing

Test automation engineers (UAT team members) test the software to make sure it meets the requirement by following real world, End to End scenarios. Alpha test is performed in staging/pre-production environment.

Beta Testing

The client, end users perform Beta testing. The goal is to bring the customer prospective in to validation. End user actually use the software and explore all the functionalities, performance parts of the application so decide weather the app is ready to release.

What is White-box testing? What is Black-box testing? What is Gray-box testing?

White box testing

- Performed by the developers.

White box testing requires a good understanding of the application's internal code and behavior.
 White box testing applies to Unit and Integrations testings.

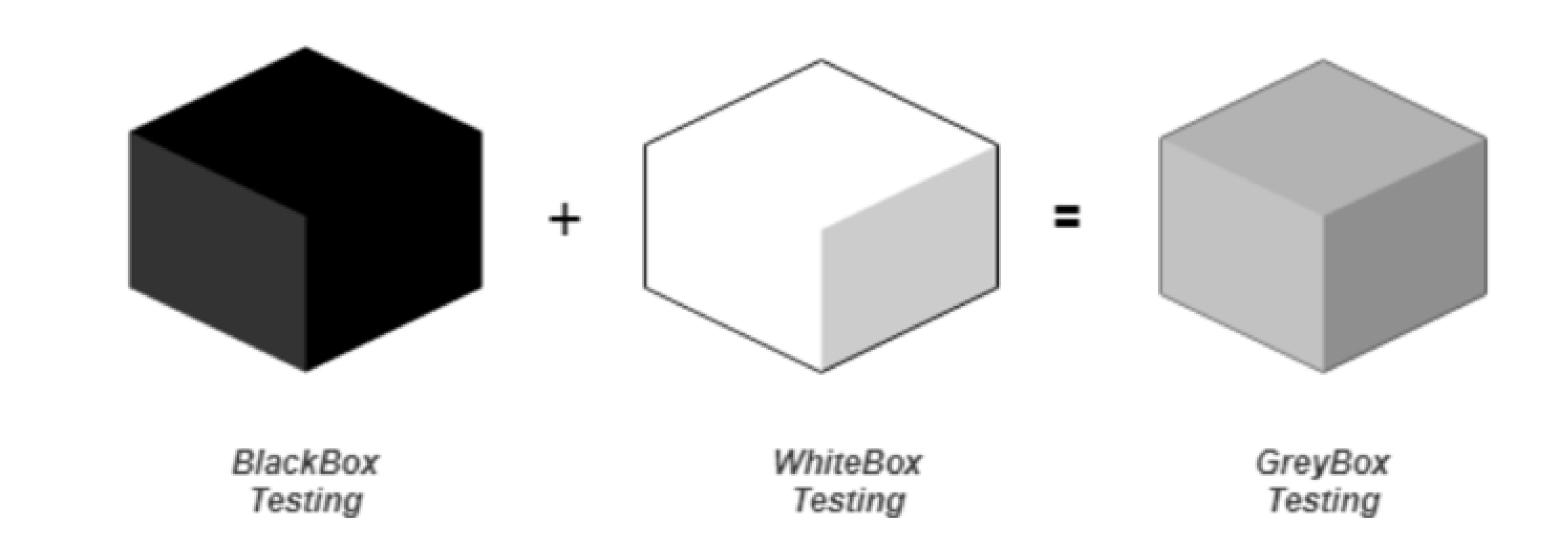
Black box testing

Performed by the testers, the client / end users. - Black box testing is checking/testing of a application

Black box testing is checking/testing of a application without having any technical knowledge, code's logic, how the code works, or knowledge of the internal structure, etc.
White box testing applies to System and UAT testings.

Gray box testing - Performed by the QA-testers who know a little more knowledge about developer's code.

- Performed by the QA-testers who know a little more knowledge about developer's code.
- Gray Box testing is to test the software application with partial knowledge of the internal working structure.
- It is a combination of black box and white box testing.



What is Parallel testing? What is Cross-browser Testing?

Parallel testing

- Run **test scenarios** in **parallel** on multiple combination of **devices** , **browsers and operating systems** to significantly shrink **testing** times.

Cross-browser testing

- Testing the same functionality of the application with different browsers.

