



SANITY & SMOKE TESTS



WHAT TO EXPECT



1 Sanity Tests

2 Smoke Tests

3 Differences

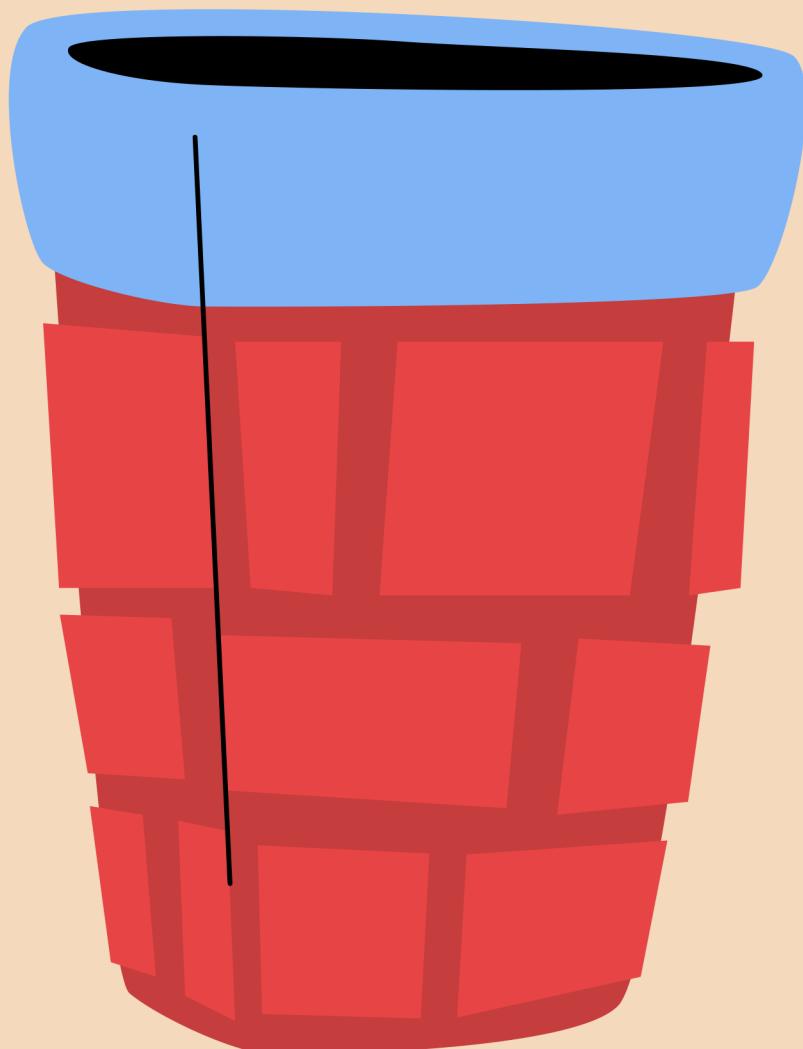
4 Testcases

Recap

"**Sanity testing**" and "**smoke testing**" are two types of software testing that serve different purposes in the testing process.

While they both focus on quickly identifying major issues in a software build, they have distinct goals and scopes.

Smoke Testing



Smoke testing, also known as "build verification testing," is aimed at quickly determining if a new software build is stable enough for more extensive testing. It ensures that the basic functionalities are working after a build is created.

Smoke testing is a high-level test that checks the most critical features of the software without delving into the details. It covers broad areas of the application and verifies that the build is capable of undergoing further testing.

Sanity Testing



Sanity testing, also known as "narrow regression testing," aims to verify that specific changes or fixes made to the software are functioning as intended. It helps ensure that recent changes haven't introduced new defects and haven't adversely affected existing functionalities.

Sanity testing focuses on a particular area of the software that underwent recent changes. It is a more targeted and specific form of testing compared to smoke testing.

Lets hear more

Smoke Testing

Smoke testing is shallow in nature and focuses on identifying show-stopping defects that might prevent further testing.

Smoke testing is typically performed early in the testing cycle, often after a new build is received from development.

If the smoke test passes, the build is considered stable enough to proceed with more detailed testing. If it fails, the build might be rejected and sent back to development for fixing.



Sanity Testing

While deeper than smoke testing, sanity testing is not as comprehensive as full regression testing. It covers just the modified areas and related functionalities.

Sanity testing is usually performed after each iterative or incremental development phase, especially after bug fixes, enhancements, or changes are made.

If the sanity test passes, it provides confidence that the specific changes made are functioning correctly. If it fails, it indicates that there might be issues related to the recent changes.

summary

Smoke testing is a broader initial check to ensure that a new build is stable enough to proceed, whereas sanity testing is a targeted verification to ensure that specific changes have been integrated without introducing new defects.

Both testing types play a role in improving the software quality and helping teams catch issues early in the development cycle.

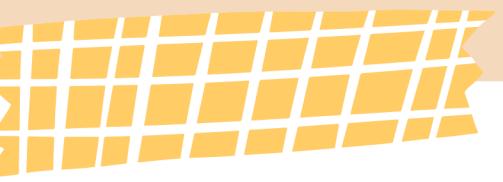
**Lets Identify few
Sanity & Smoke Tests**

Smoke Testing

Test Case 1: Successful Login (TC001)	Reason: Checking the fundamental functionality of user authentication.
Test Case 3: View Book Details (TC003)	Reason: Verifying the ability to view book details, a basic functionality.
Test Case 4: Add to Cart (TC004)	Reason: Ensuring that a book can be added to the cart, a fundamental e-commerce operation.
Test Case 6: Checkout Process (TC006)	Reason: Checking the basic checkout process is crucial for the overall functionality of the application.

Sanity Testing

Test Case 1: Successful Login (TC001)	Reason: Verifying that users can still log in successfully after changes.
Test Case 6: Checkout Process (TC006)	Reason: Checking the checkout process, especially if recent changes have been made to payment processing or order confirmation.
Test Case 7: Payment Offline (TC007)	Reason: Verifying that the offline payment option still works after updates or changes.



“

See you in Next Video



Thank You