

Smoke and Sanity Testing PDF Page

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Prepared: 26 October 2026 · **Primary keyword:** smoke and sanity testing pdf · **Search volume:** not checked (keyword tool out of credits); verify in Search Console.

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PART 1: Page plan

Item	Decision
Final URL	<code>https://uncodemy.com/software-testing-smoke-sanity-testing-pdf</code>
Intent (anti-cannibalisation)	SMOKE VS SANITY TESTING. Regression testing has its own page.
Why not thin	Explainer-style sections, FAQs and cross-links make the page useful even without a download
Schema	WebSite, Organization, Breadcrumb, CollectionPage, FAQPage (only FAQs visible on the page). PDF <code>ItemList</code> provided commented, to enable after titles are final
Share image	<code>https://uncodemy.com/image/logo-og.jpg</code> for now; custom 1200x630 card recommended

PART 2: Page content (copy-paste ready)

SEO Title (39 chars):

Smoke and Sanity Testing PDF | Uncodemy

Meta Description (133 chars):

Download the smoke and sanity testing PDF from Uncodemy: differences from regression testing, when to use each and sample checklists.

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Byline: Prepared by the Uncodemy trainer team `[CONFIRM: author name and role]` · Reviewed by `[CONFIRM: reviewer name and role]` · Last reviewed: `[DATE]`

Quick Answer

This page offers Uncodemy's smoke and sanity testing guide as a PDF download. Smoke testing is a quick check that a new build is stable enough to test further. Sanity testing is a narrow check that a specific change or fix works. The guide explains both, compares them with regression testing and provides sample checklists.

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Why quick checks exist

Every time a new build arrives, testers face a decision: is this build worth the effort of detailed testing? If the application does not even start, or the login is broken, spending a day running test cases is wasteful. Smoke and sanity testing are the quick checks that answer that question. They take minutes rather than hours and act as a gate: if they fail, the build goes back to the developers; if they pass, deeper testing proceeds. Understanding the difference between them, and between them and regression testing, is a standard interview topic and a practical skill.

What is smoke testing?

Smoke testing, sometimes called build verification testing, is a shallow, wide check of the most important functions of a new build. The name comes from hardware testing, where engineers powered on a device and watched for smoke. In software, the tester checks that the application launches, the main pages load, users can log in and the core flows start to work, without exploring details. It is usually scripted, often automated and run on every build. A failed smoke test means the build is rejected as unstable.

What is sanity testing?

Sanity testing is a narrow and deep check of a specific area after a small change, such as a bug fix or a minor enhancement, to confirm that the change works and has not obviously broken the related behaviour. It is often unscripted and done by a tester who knows the area. For instance, after a fix to the discount code calculation, a sanity test would try a few discount scenarios and the surrounding cart totals, and not the whole site. If it passes, fuller regression testing can follow.

Smoke, sanity and regression compared

Aspect	Smoke testing	Sanity testing	Regression testing
Purpose	Is the build stable enough to test?	Does this specific change work?	Did the change break anything else?
Scope	Broad and shallow	Narrow and deep	Broad and deep
Performed on	Every new build	A build with a small change	After changes, before release
Scripted	Usually, often automated	Often ad hoc	Usually scripted and automated
Time taken	Minutes	Minutes to an hour	Hours or more
Typical outcome	Accept or reject the build	Proceed to regression or return the fix	Release confidence

Sample smoke test checklist for a web application

Check	Expected
Application URL opens	Home page loads without server errors
Login with a valid test user	User reaches the dashboard
Main navigation links	Key pages open
Search for a known item	Results appear
Add an item to the cart	Cart updates
Start checkout	Checkout page opens
Logout	Session ends and the login page returns
Critical API health or status page	Services report healthy

Sample sanity checks after a discount-code fix

Check	Expected
Apply a valid percentage code	Total reduces by the right percentage
Apply an invalid code	Clear error message, total unchanged
Apply a code, then change quantity	Discount recalculates correctly
Remove the code	Total returns to the full price
Proceed to checkout with a code	Discount appears on the order summary

How to use the checks in a delivery flow

1. A new build is deployed to the test environment.
2. Run the smoke suite, preferably automatically.
3. If it fails, reject the build and report the failure immediately.
4. If it passes, begin planned testing or sanity-check the specific fixes.
5. After sanity checks pass, run the relevant regression suite.
6. Repeat for every new build.

Good practice

- Keep the smoke suite small, stable and fast, so it can run on every build.
- Choose smoke checks from the most critical user journeys.
- Automate smoke tests and run them in the delivery pipeline.
- Do not let the smoke suite grow into a regression suite.
- Document what sanity checks were done, even if informal.

Common mistakes

- **Confusing the two terms** or using them interchangeably in interviews.
- **A smoke suite that is slow and flaky.**
- **Skipping smoke tests** and wasting time on unstable builds.
- **Treating sanity testing as a substitute for regression.**
- **Not rejecting a failing build** because of schedule pressure.

Interview-style questions

Question	Short answer
Which comes first, smoke or sanity?	Smoke testing comes first on a new build; sanity testing follows after specific fixes.
Is sanity testing a subset of regression testing?	It is often described as a narrow subset focused on a change, though definitions vary between organisations.
Who performs smoke tests?	Developers or testers, often automatically in the pipeline.
Can smoke testing be skipped?	Skipping it risks wasting hours on a broken build.

A rule of thumb for deciding

- New build arrived and you know nothing about it: smoke test.
- One bug fixed or a small tweak delivered: sanity test.
- Several changes or a release candidate: regression test.

Related Uncodemy resources

- [Software Testing Regression Testing PDF](#)
- [Software Testing Functional Testing PDF](#)
- [Software Testing Bug Life Cycle PDF](#)
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Frequently Asked Questions

What is smoke testing?

Smoke testing is a quick, broad check of the most critical functions of a new build to decide whether it is stable enough for further testing.

What is sanity testing?

Sanity testing is a narrow, focused check that a specific bug fix or small change works and has not obviously broken related behaviour.

What is the difference between smoke and sanity testing?

Smoke testing is broad and shallow and done on every build, while sanity testing is narrow and deep and done after a specific change.

Is smoke testing manual or automated?

Either, but it is a strong candidate for automation because it runs on every build and has fixed expected results.

Do smoke tests replace regression testing?

No. Smoke tests only check basic stability, while regression testing checks existing behaviour more thoroughly.

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