**Smoke Testing**

* Also known as “Build Verification Testing”.
* Tests the most important functions.
* Used to decide if a build is stable enough to undergo further testing, usually functional testing.
* Name allegedly comes from hardware testing, where a device passed a test if it didn’t catch fire when turned on.
* If a smoke test fails, stop all testing until a new build with the required fixes is available.
* Can be performed manually or automated and should be automated if builds are frequent.
* Tests can be automated using Selenium and PhantomJS.
* Normally used in Integration, System, and Acceptance testing levels.

**Advantages**

* Exposes integration issues.
* Exposes problems early.
* Can save time and money later by catching issues early.