Differences Between Black Box Testing and White Box Testing

The Differences Between Black Box Testing (http://softwaretestingfundamentals.com/black-box-testing/) and White Box Testing (http://softwaretestingfundamentals.com/white-box-testing/) are listed below.

Criteria	Black Box Testing	White Box Testing
Definition	Black Box Testing is a software testing method in which the internal structure/ design/ implementation of the item being tested is NOT known to the tester	White Box Testing is a software testing method in which the internal structure/ design/ implementation of the item being tested is known to the tester.
Levels Applicable To	Mainly applicable to higher levels of testing:Acceptance Testing (http://softwaretestingfundamentals.com/acceptance-testing/) System Testing (http://softwaretestingfundamentals.com/system-testing/)	Mainly applicable to lower levels of testing:Unit Testing (http://softwaretestingfundamentals.com/unit-testing/) Integration Testing (http://softwaretestingfundamentals.com/integration-testing/)
Responsibility	Generally, independent Software Testers	Generally, Software Developers
Programming Knowledge	Not Required	Required
Implementation Knowledge	Not Required	Required

Basis for Test Cases	Requirement Specifications	Detail Design

For a combination of the two testing methods, see Gray Box Testing (http://softwaretestingfundamentals.com/gray-box-testing/).
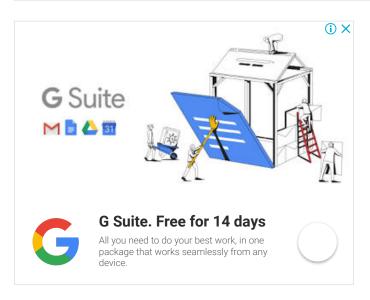
❮ Senior Software Tester Sample Job Description (http://softwaretestingfundamentals.com/senior-software-tester-sample-job-description/)

Definition of Test ❯ (http://softwaretestingfundamentals.com/definition-of-test/)

Search...

Enter your email address:

Subscribe

If you do not find the verification email, check your spam folder

Delivered by FeedBurner (https://feedburner.google.com)

Categories

📂 Artifacts (http://softwaretestingfundamentals.com/category/artifacts/)

📂 Basics (http://softwaretestingfundamentals.com/category/basics/)

📂 Career (http://softwaretestingfundamentals.com/category/career/)

📂 Defects (http://softwaretestingfundamentals.com/category/defects/)

📂 Levels (http://softwaretestingfundamentals.com/category/levels/)

📂 Methods (http://softwaretestingfundamentals.com/category/methods/)

📂 Metrics (http://softwaretestingfundamentals.com/category/metrics/)

📂 Resources (http://softwaretestingfundamentals.com/category/resources/)

📂 Types (http://softwaretestingfundamentals.com/category/types/)

STF

∧

Disclaimer (http://softwaretestingfundamentals.com/disclaimer/)

Privacy Policy (http://softwaretestingfundamentals.com/privacy-policy/)

Contact (http://softwaretestingfundamentals.com/contact/)

Social

Facebook Page (https://www.facebook.com/softwareTestingFundamentals/)

Facebook Group (https://www.facebook.com/groups/259049327448031/)

Twitter (https://twitter.com/stestingf)

Ponder

Weinberg's Second Law: If builders built buildings the way programmers wrote programs, then the first woodpecker that came along would have destroyed civilization.