



# **OVERVIEW OF SOFTWARE TESTING & ITS TYPES**

# WHAT TO EXPECT



1

Types of Software Testing

2

Manual vs Automated Testing

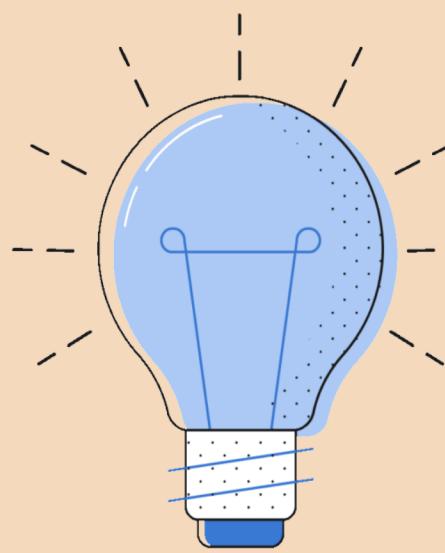
3

Blackbox & Whitebox testing

# World of Software Testing

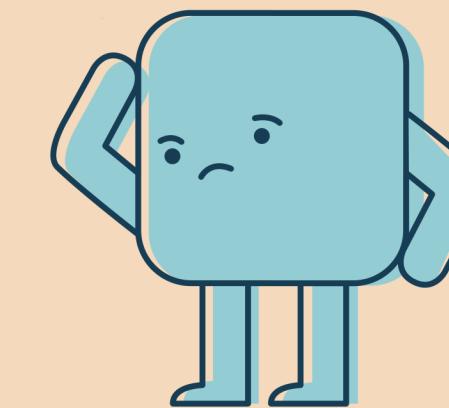
Lets try to put a definition to this !

Software testing encompasses both verification and validation activities.

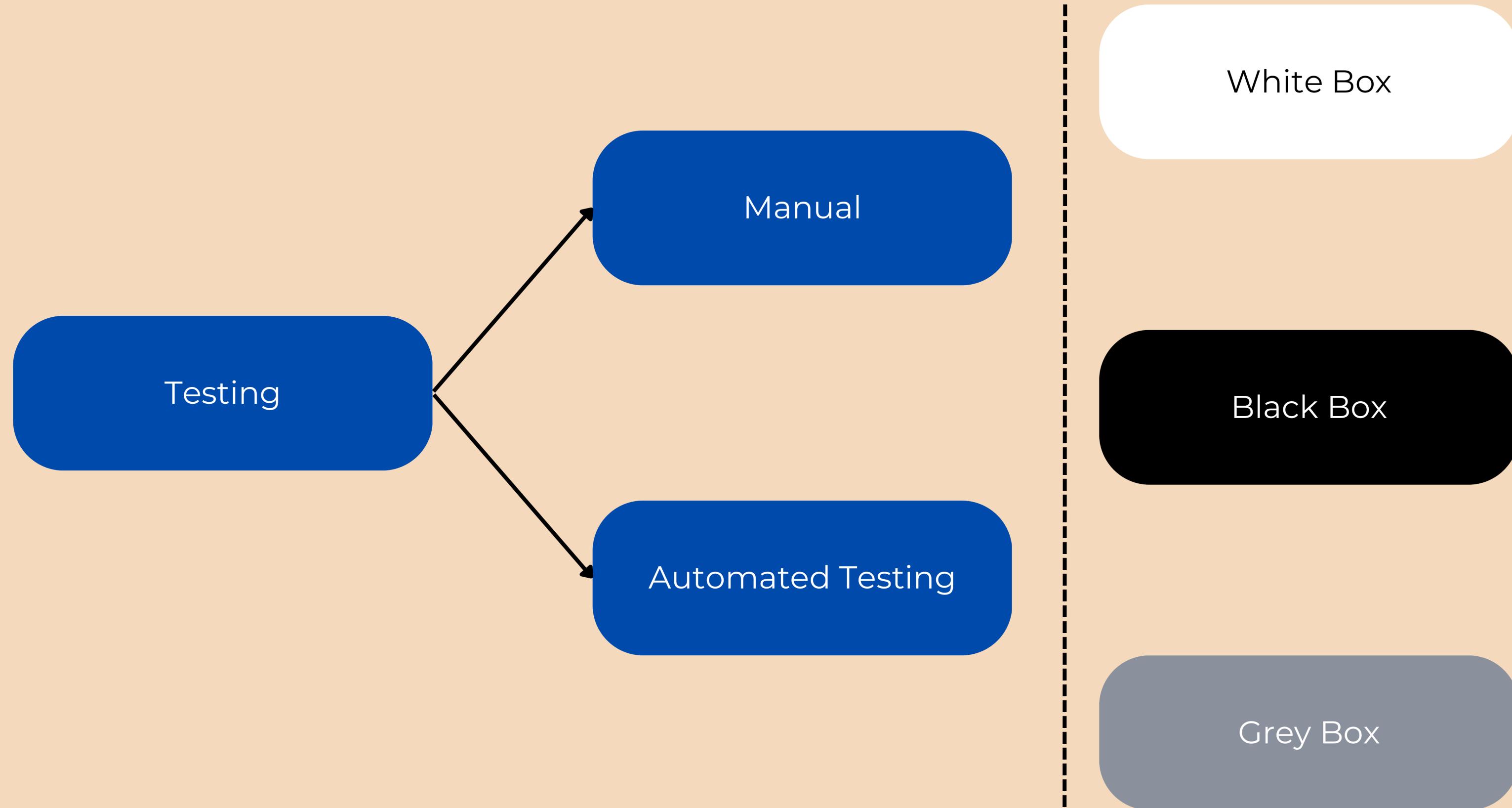


- It involves examining the software product to verify that it has been designed and implemented correctly (verification) and
- to validate that it meets the user's requirements and expectations (validation).

**Requirements**

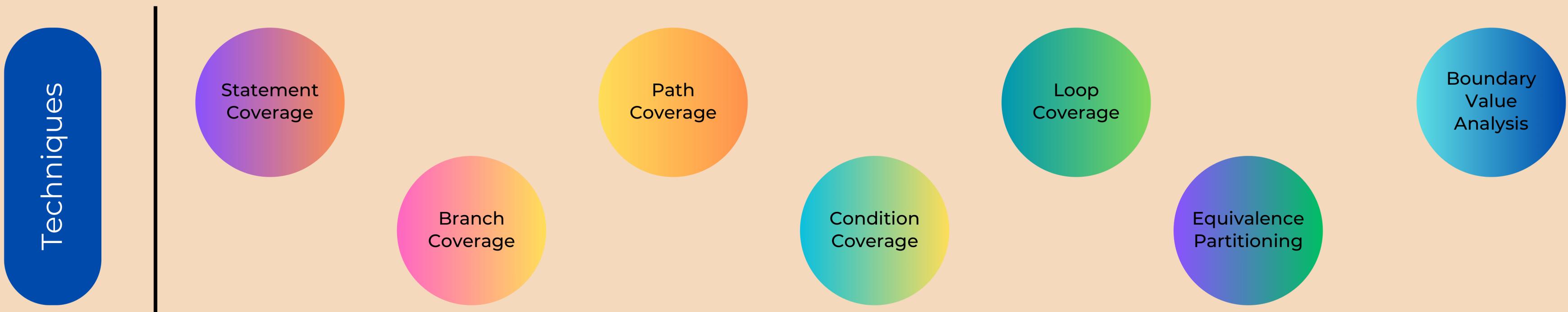


**Is our Product inline  
with Requirements**



# WhiteBox Testing

- White box testing, also known as clear box testing or structural testing, is a software testing technique that focuses on the internal structure, design, and implementation details of a software application.
- In white box testing, the tester has access to the internal code, architecture, and logic of the system being tested.





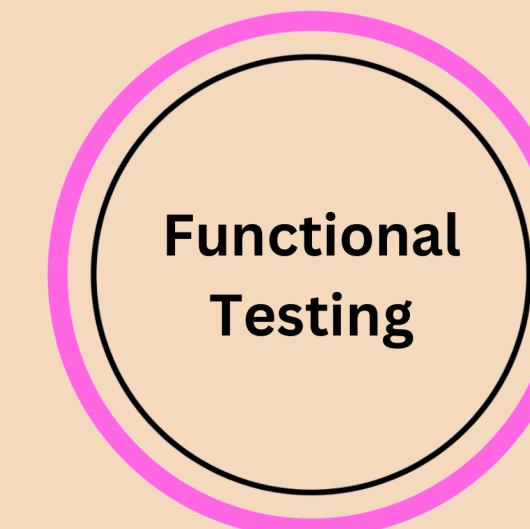
Superman's Xray Vision

# BlackBox Testing



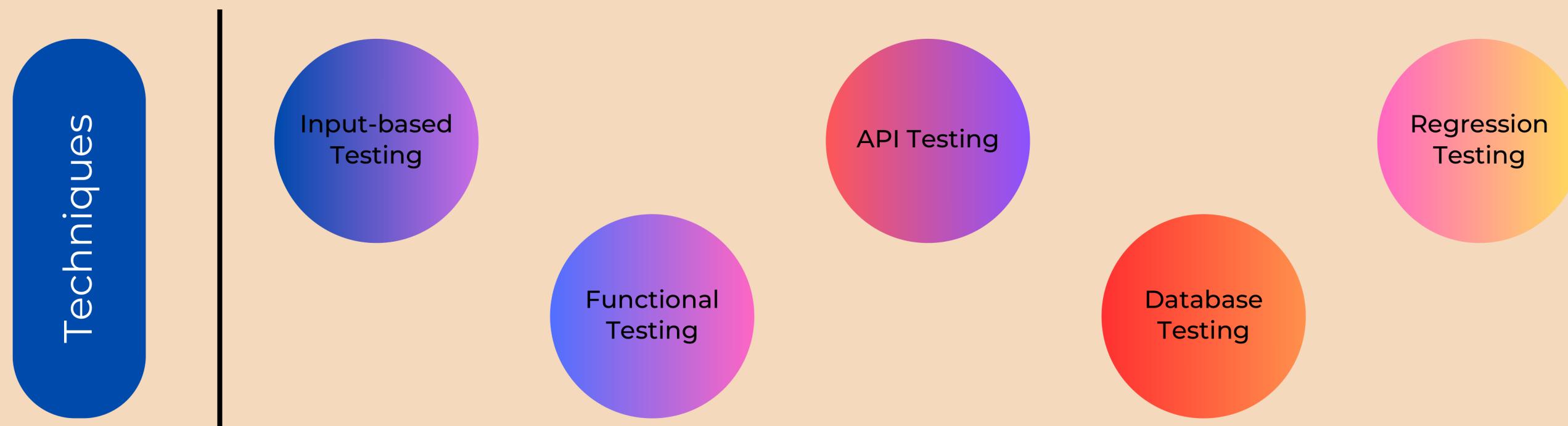
- Usually also referred to as "Testing"
- In black box testing, the tester interacts with the software as an end-user, without any knowledge of its internal workings. The tester treats the software as a "black box," where the inputs and outputs are known, but the internal processes and code are not visible or considered.

Broad  
Classifications



# GreyBox Testing

- In grey box testing, the tester has partial knowledge of the internal workings and implementation details of the software being tested, unlike black box testing where the internal structure is completely unknown.
- It aims to strike a balance between the detailed examination of white box testing and the user-focused approach of black box testing.



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**See you in Next Video**



# **EXTRAS**

