

Test Doubles

By Essouli Hamza

01

**Test Doubles are objects
used in unit testing to
replace real components**

02

Facilitate controlled testing by simulating the behavior of real objects

Why Use Test Doubles?

Ensures isolation

Enables controlled scenarios

Speeds up testing

Dummy Objects

Objects passed around but never actually used, there for fulfill parameter requirements without impacting the test.

Stub Objects

Provide predefined responses to method calls, there for Simulate specific behaviors in order to test particular code paths.

Mock Objects

Objects that mimic the behavior of real objects, there for record and verify the interaction between the test code and the mock object.

Spy Objects

Objects that record the interactions made with them, there for Monitor and collect data on how methods are called during the test.

Fake Objects

Functional, but simplified, implementations of certain components, there for Replace real components with simpler alternatives for faster and controlled testing.

Test Doubles framework that I used

- Mockito