

Mockito

Objects vs Data Structures

Object class in Java:

Implicitly inherited by both objects and data structures

Big mistake in “naming things”

Objects:

Expose behavior

Hide internal implementation details

Should be injected into other objects

Need to be unit tested explicitly

Eligible to be substituted with test doubles

Data structures:

Expose data

Should not have behavior

Can be instantiated by other objects and data structures

Unit tests for objects test data structures implicitly

No need to substitute with test doubles



“Mature programmers know that the idea that everything is an object is a myth.

- Robert C. Martin, Clean Code

Mockito Fundamentals

Mockito:

Easily create stubs and mocks

Powerful and versatile

Not trivially simple with Mockito – fall back to manual test doubles

Mockito considerations:

A matter of personal preference

More Mockito features – more complexity

Objects vs Data Structures:

Fundamental distinction in OOD

Objects need to be explicitly tested

Inject objects from outside to allow substitution with test doubles

Data structures are implicitly tested

Instantiate data structures whenever you need