Checking That Mock Methods and Properties Are Used

Jason Roberts
.NET DEVELOPER

@robertsjason dontcodetired.com

Overview

An overview of behavior based testing

Verifying a method was called with specific parameters

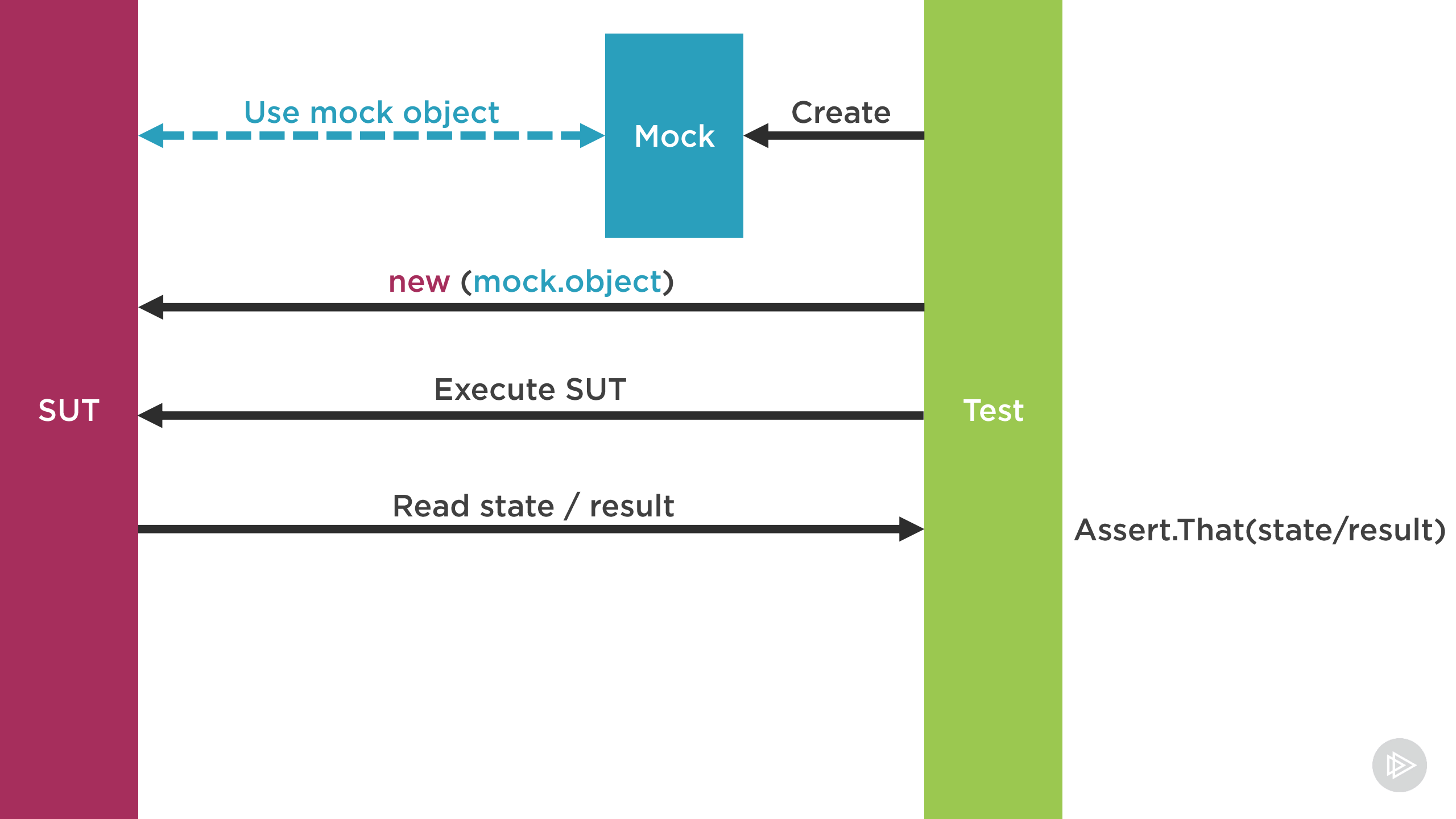
Verifying a method was called with any parameters

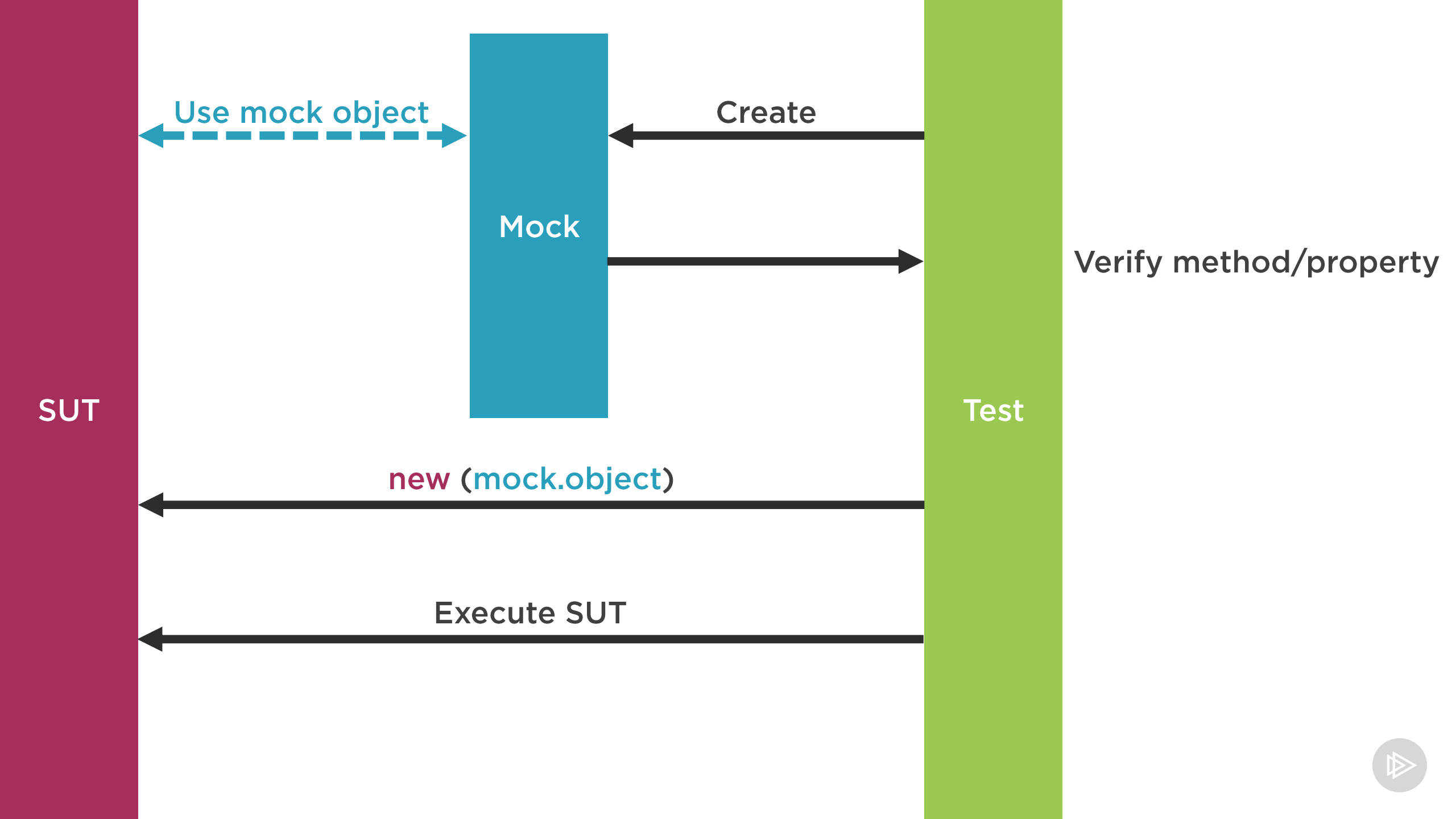
Verifying a method was called a specific number of times

Verifying property setter and getters were called

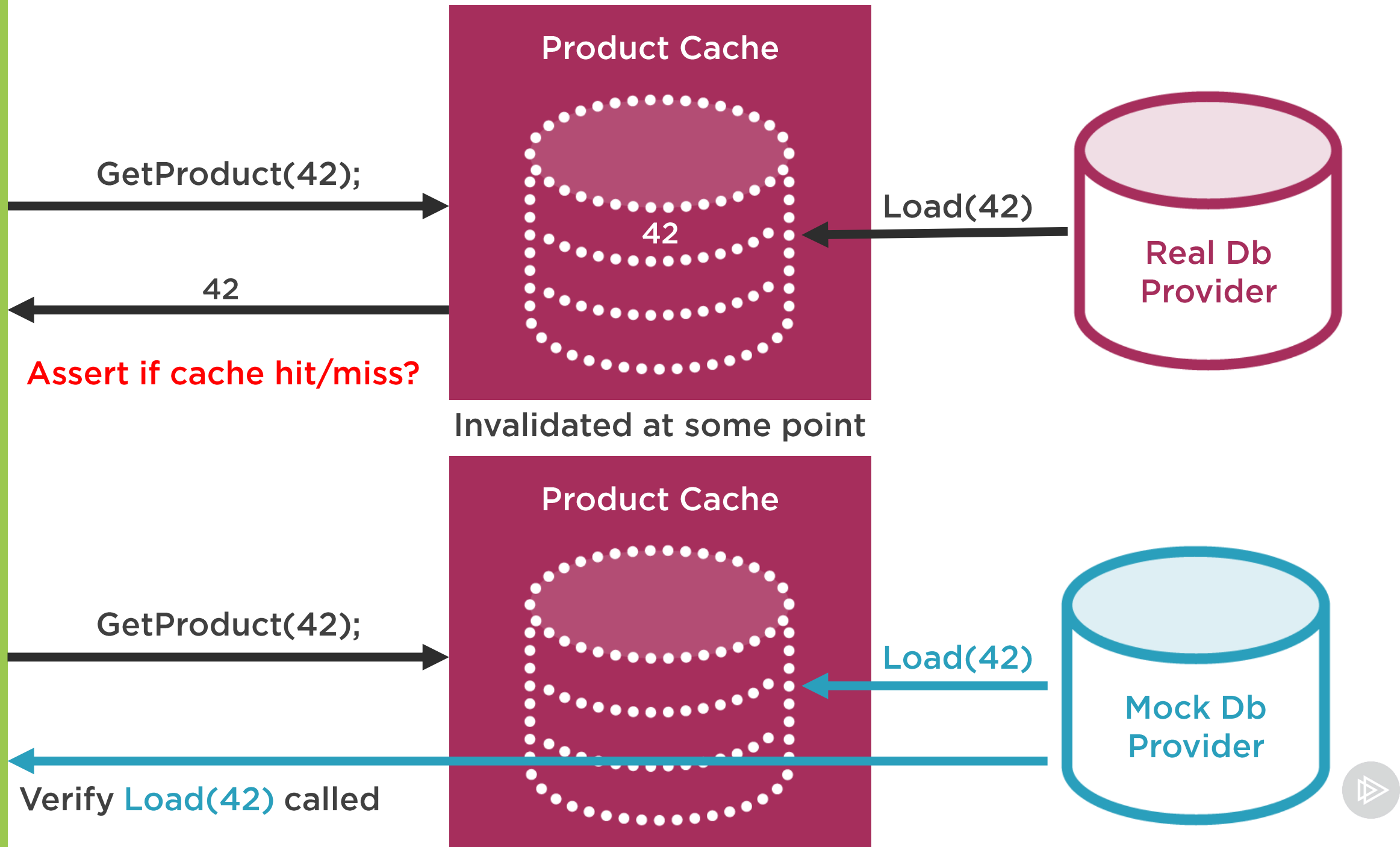
Verifying that no other unexpected calls were made

An Overview of Behavior Based Testing


Use mock object
Mock
Create
new (mock.object)
SUT
Execute SUT
Test
Read state / result
Assert.That(state/result)


Use mock object
Create
Mock
Verify method/property
SUT
Test
new (mock.object)
Execute SUT

Test


Product Cache
42
GetProduct(42);
42
Load(42)
Real Db Provider
Assert if cache hit/miss?
Invalidated at some point
Product Cache
GetProduct(42);
Load(42)
Mock Db Provider
Verify Load(42) called

Summary

An overview of behavior based testing

- State/return value of SUT
- Interaction of the SUT with mocks

Verifying a method was called:

- mockCreditScorer.Verify
- Specific parameters
- It.IsAny

Times.Once

VerifyGet(...)

VerifySet(...)

VerifyNoOtherCalls()

Up Next:

Using Partial Mocks and Advanced Mocking Techniques