Implementing Behavior Verification Tests

Jason Roberts
.NET MVP

@robertsjason dontcodetired.com

Overview

Behavior testing and state based testing

Verify a method was called

Add a custom error message

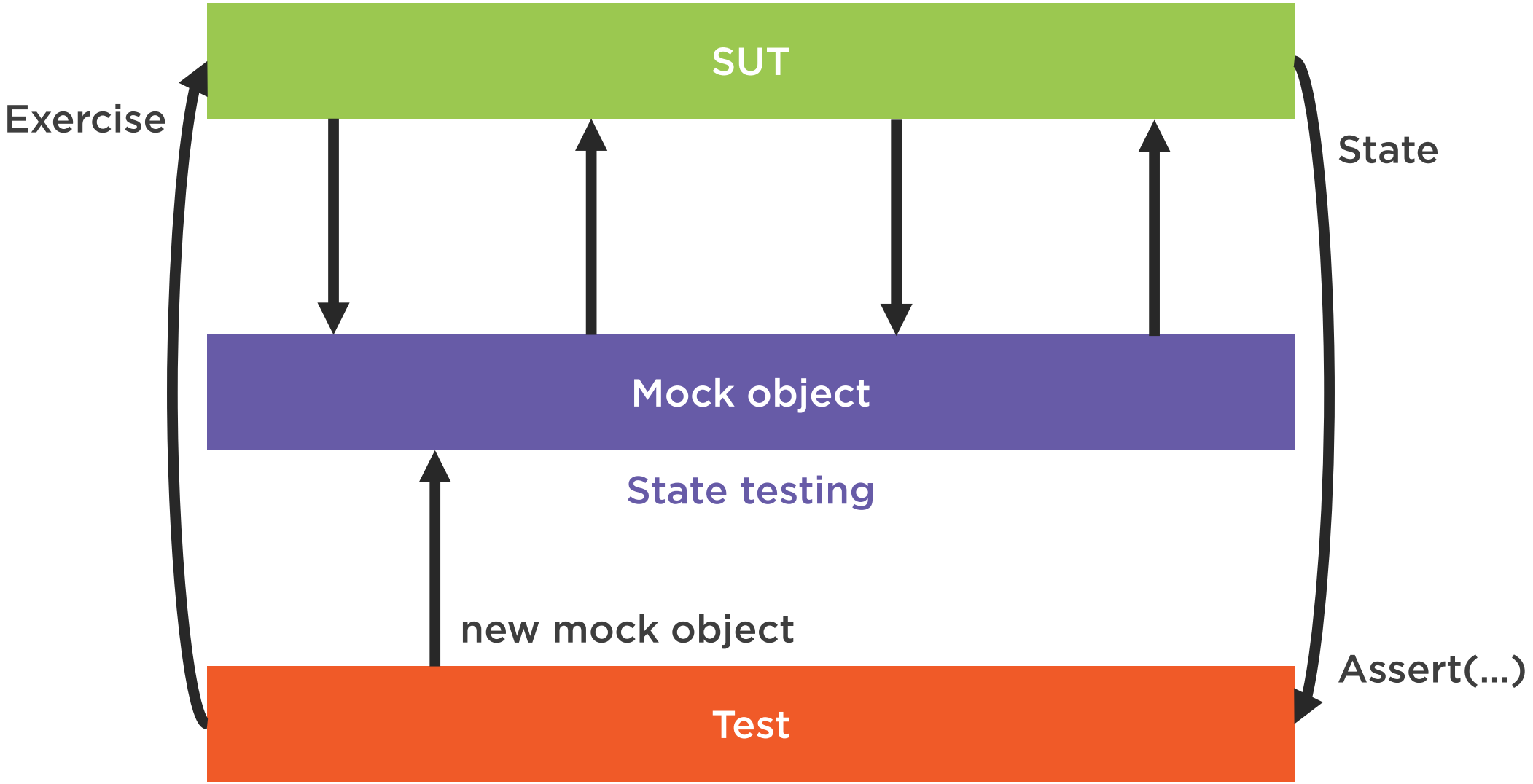
Verify a method was not called

Verify a method was called a specific number of times

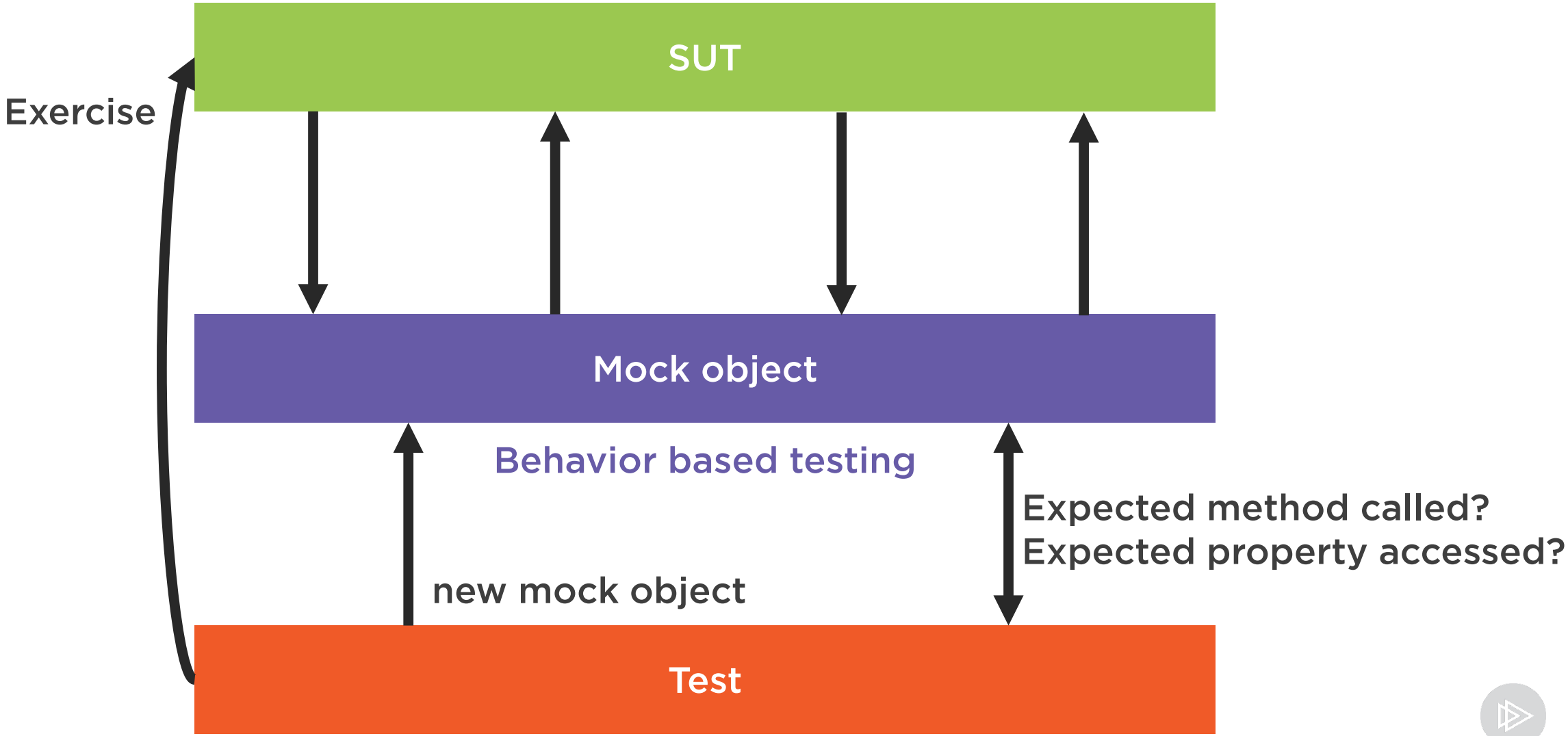
Verify a property getter was called

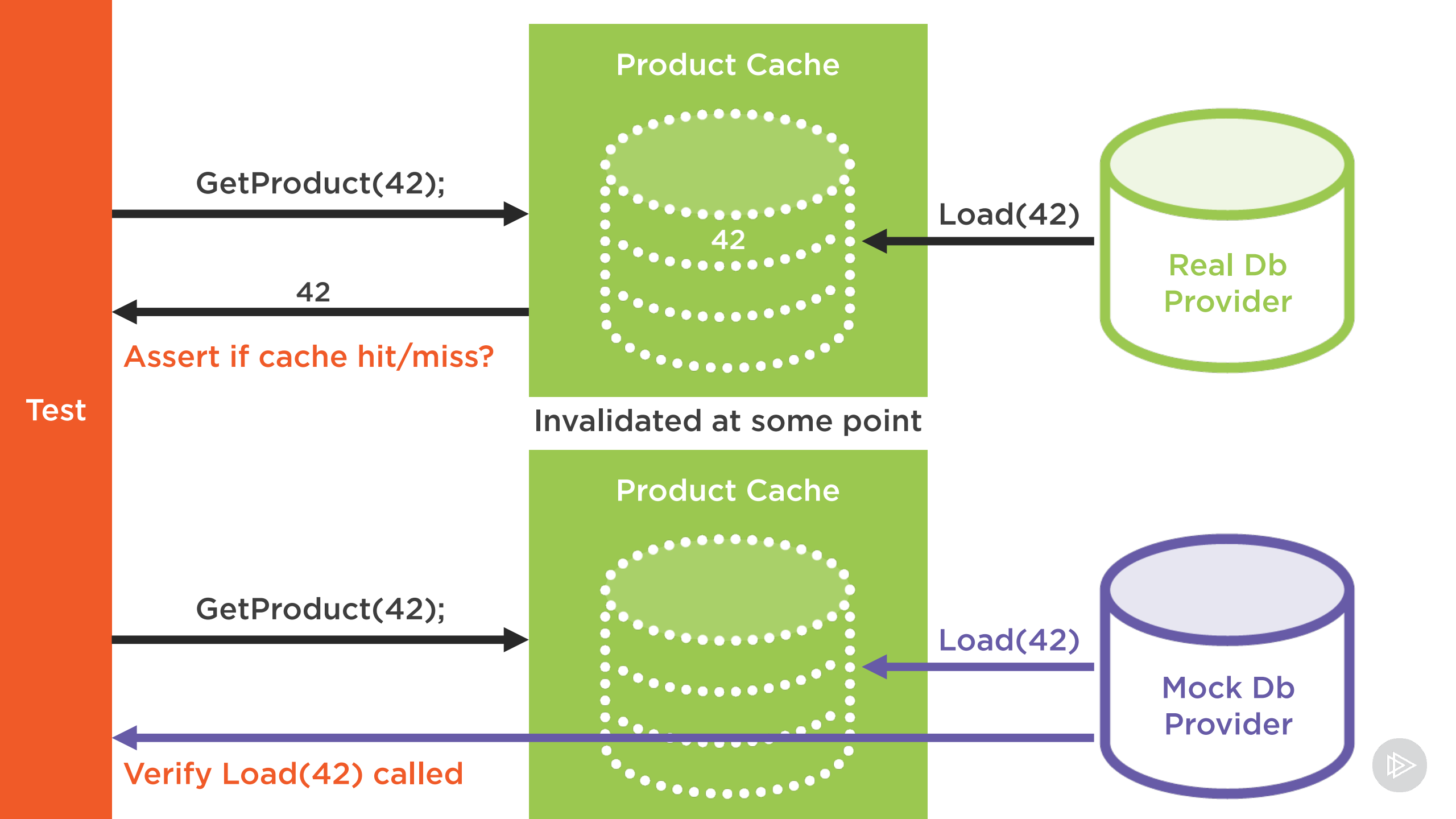
Verify a property setter was called

Behavior Testing and State Based Testing



Behavior Testing and State Based Testing




Test
Product Cache
GetProduct(42);
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

Behavior testing and state based testing

mockValidator.Verify(x => x.IsValid("q"));

Added a custom error message

Times.Never

Times.Exactly()

VerifyGet()

VerifySet()

Next:

Using Additional Mocking Techniques