

Creating Data-driven Tests



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Overview



Overview of data-driven tests

Sources of test data

Duplicated test code

Refactor to data-driven test

Sharing test data across multiple tests

Getting test data from external sources

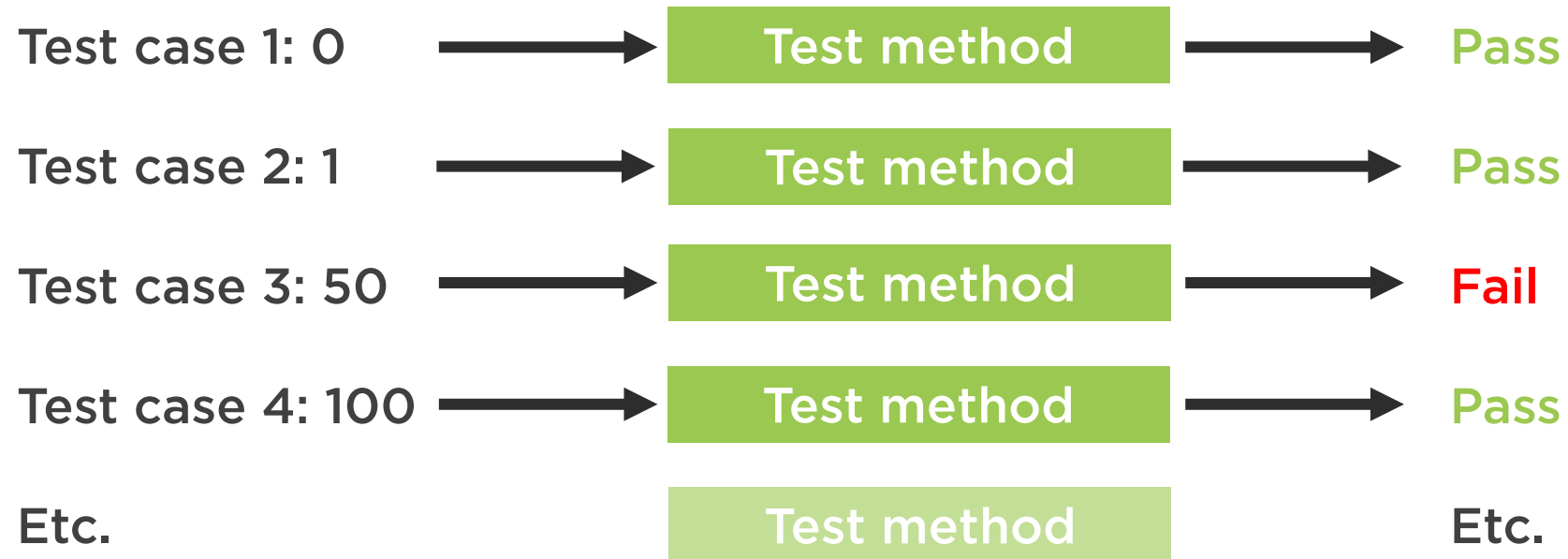
Creating custom data source attributes

Hard-coded data

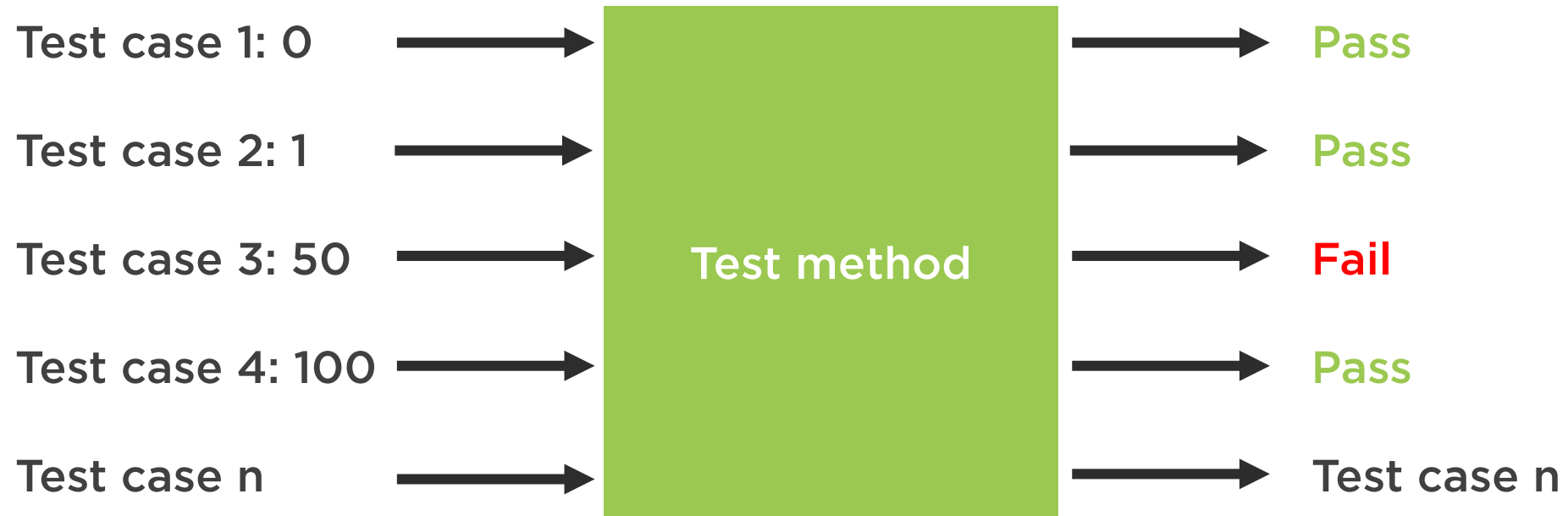
External data



Overview of Data-driven Tests



Overview of Data-driven Tests



Test Data Sources

Inline
attribute

Property / field
/ method

Custom
attribute

External
data

**Local
Developer**

**Shareable
Developer**

**Shareable
Developer**

**Sharable
Non-developer**



Summary



Overview of data-driven tests

Duplicated test code

Refactored to data-driven test

Added test method parameters

[Theory] [InlineData(0, 100)]

[MemberData] hard-coded data

[MemberData] external data

Created custom data source attribute

HealthDamageDataAttribute : DataAttribute

[HealthDamageData]

Hard-coded & external data



Further Learning and Next Steps

<https://xunit.github.io/>
[@xunit](https://github.com/xunit)

ASP.NET Core MVC Testing Fundamentals

INTRODUCTION



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Testing Automation: The Big Picture

THE BUSINESS VALUE OF AUTOMATED TESTS



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