

Creating Flexible Tests That Allow You to Refactor Your Code



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Core Concepts



Keep tests ignorant of the details when possible

Test the unit of work

Minimize the use of mocks



Brittle Test Types

Change detector

Private inspector

Business rule
blinder



Demo



Tests that impede refactoring



Testing the Unit of Work

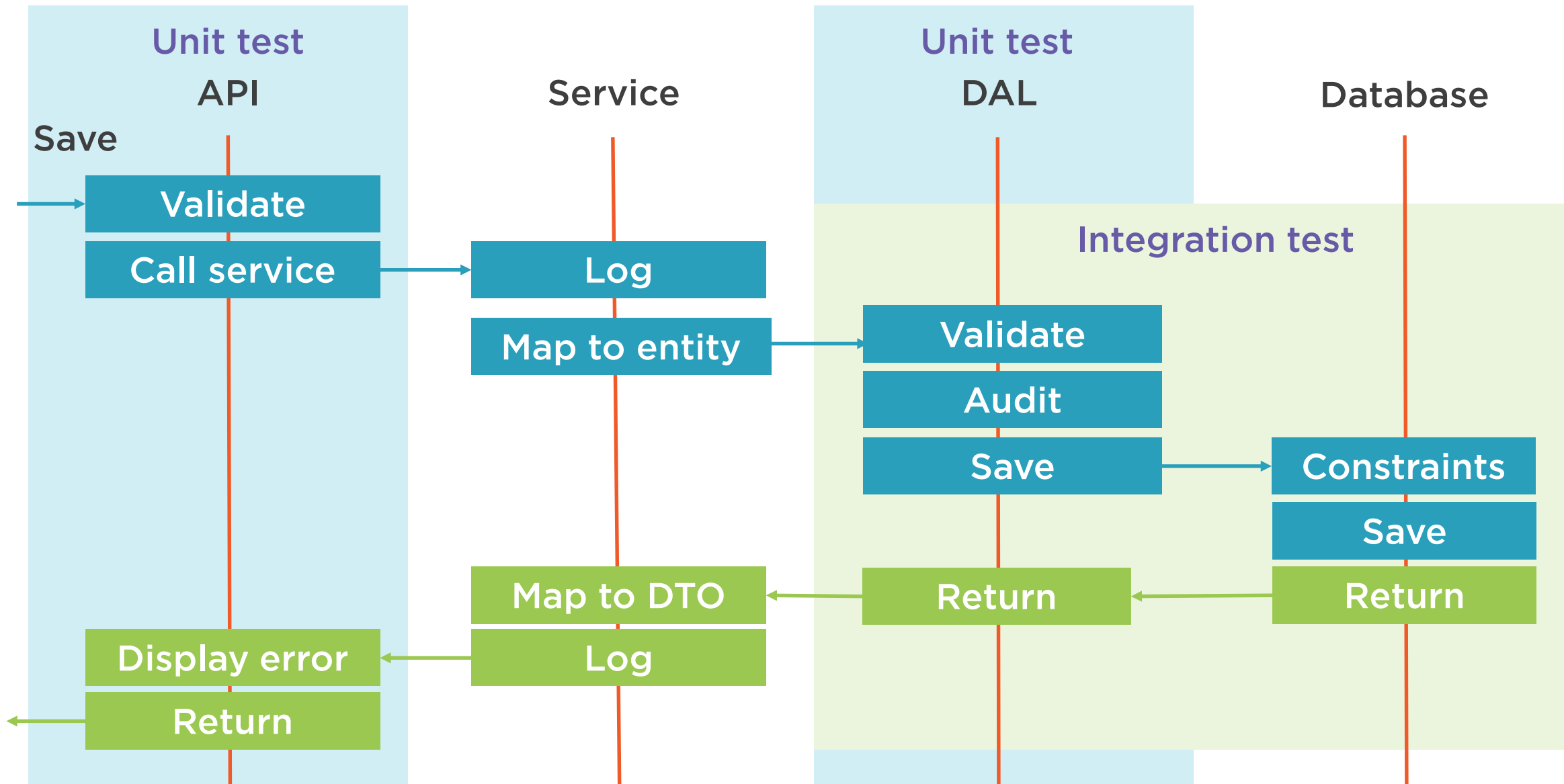


Unit of Work

Everything that happens from invoking a public method to it returning the results after it's finished; it's the work done along the path you see the debugger take through your code.



Unit of Work



Scenario-driven Testing the API

How it's used

Happy & sad paths

Cross-class



Demo



Testing through the public API



Tips for Flexible Tests





- ❑ Maximum of one mock per test
- ❑ Fewer than 10% of tests with mocks
- ❑ Rarely directly test a private method
- ❑ Test by scenario not by method

Summary



Favor testing scenarios over methods

Keep your unit tests in the dark

Limit the use of mocks

