

Driving Development with Tests

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The Coding Dojo

- Coding Dojo: better coding skills
- Practice in a safe environment
- Discuss actual code
- have fun!



THE CODING DOJO HANDBOOK

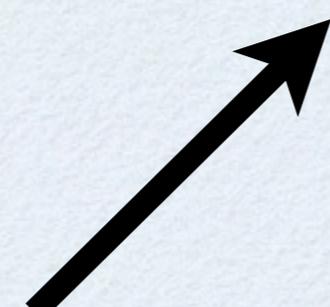
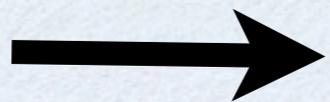
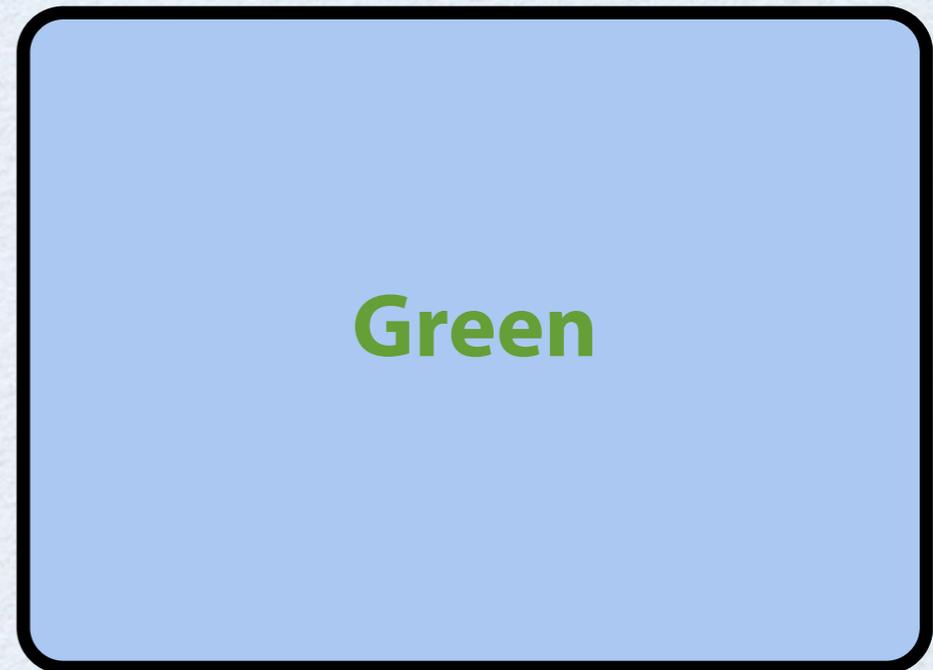
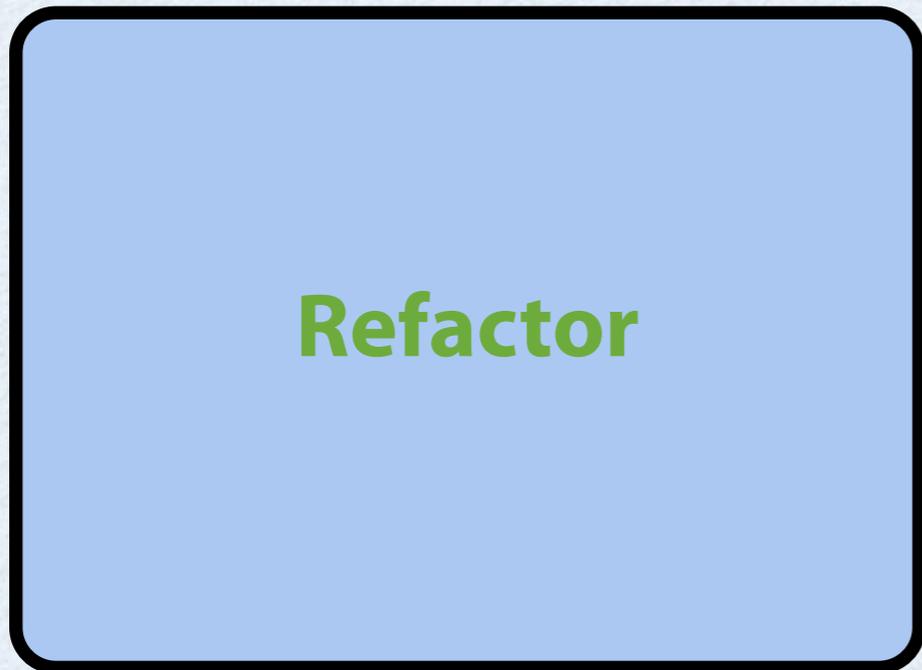
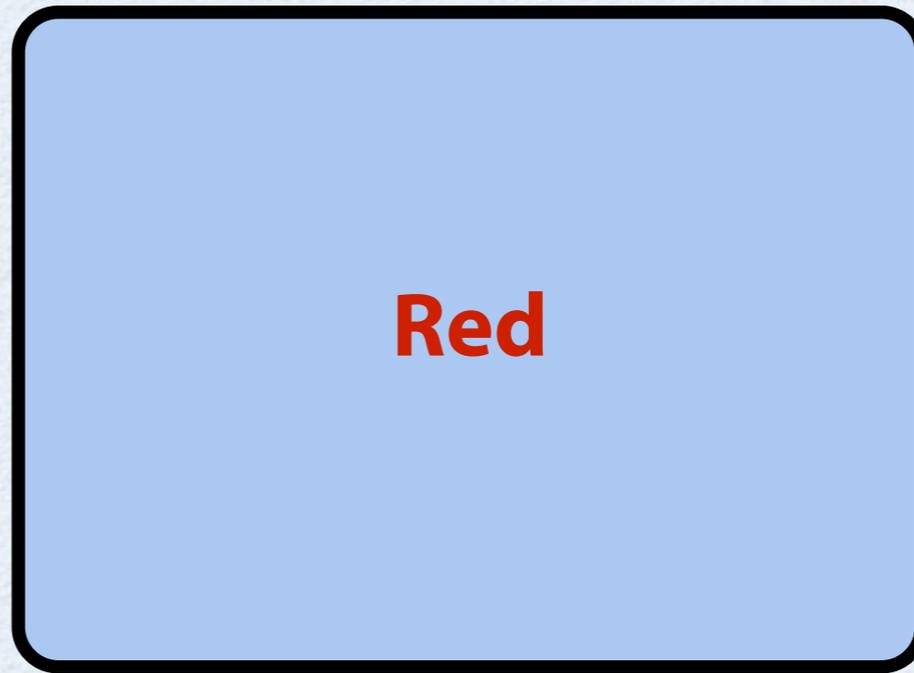
Available from:
<http://leanpub.com>

*a practical guide to
creating a space
where **good** programmers
can become **great** programmers*



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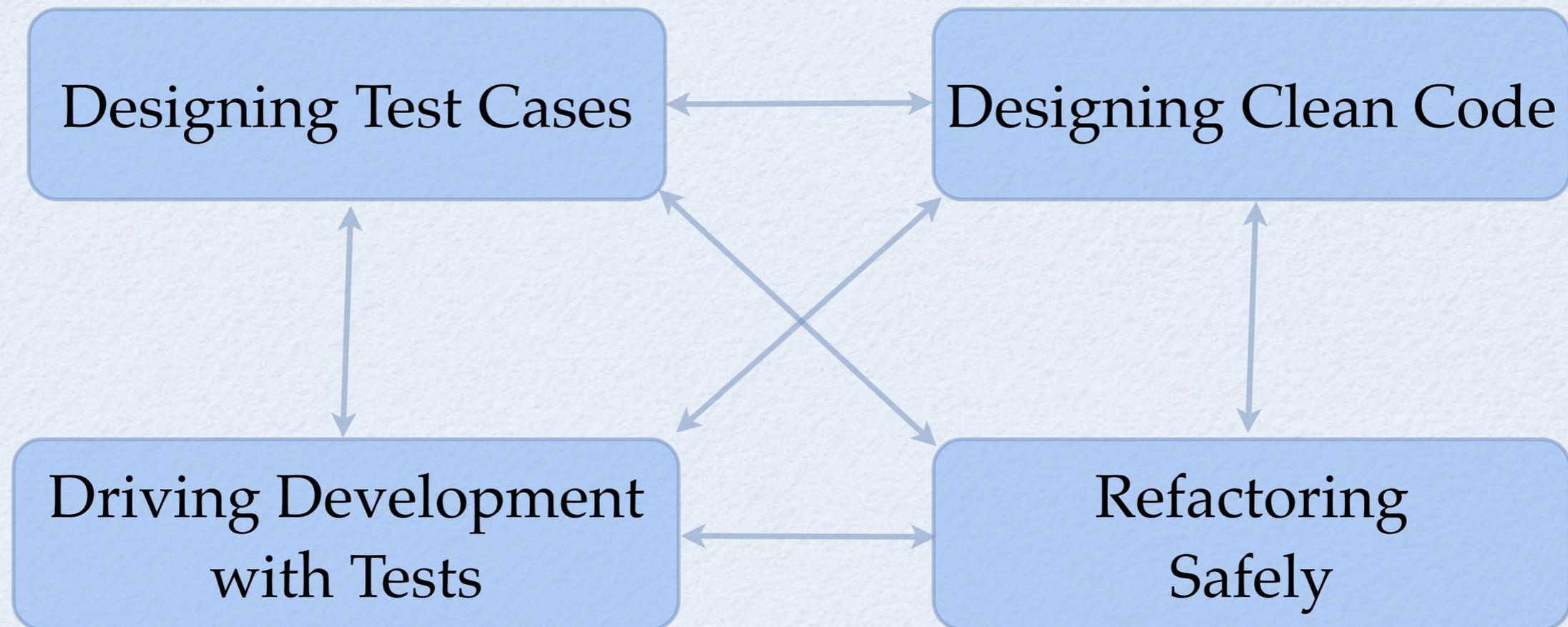
Foreword by Robert C. Martin



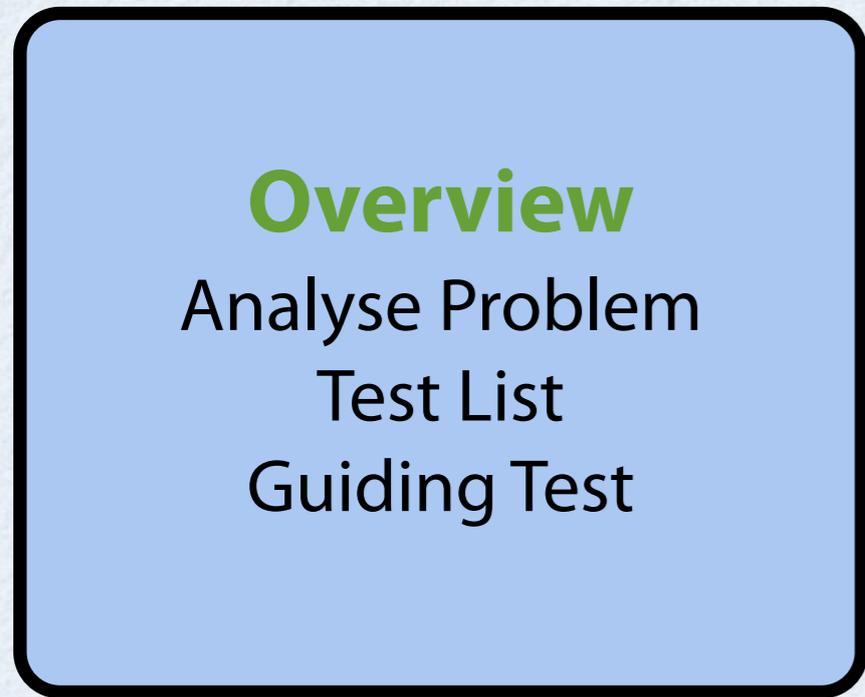
Rhythm of TDD

- Small increments of functionality, “pulled” into existence by a new test
- All existing tests keep passing
- Refactoring often & minor
- When your guiding test passes, you feel confident the code works

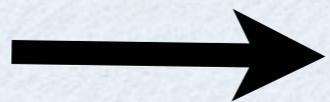
TDD skills



In the dojo we can focus on one at a time



next test
chosen



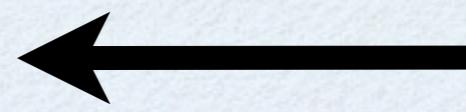
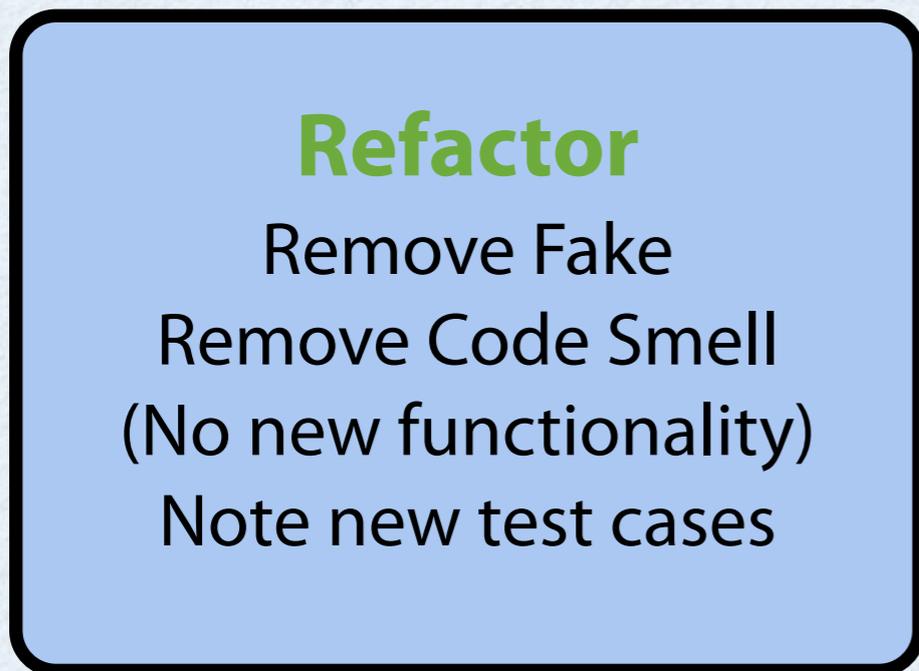
next test
unclear



next test
chosen

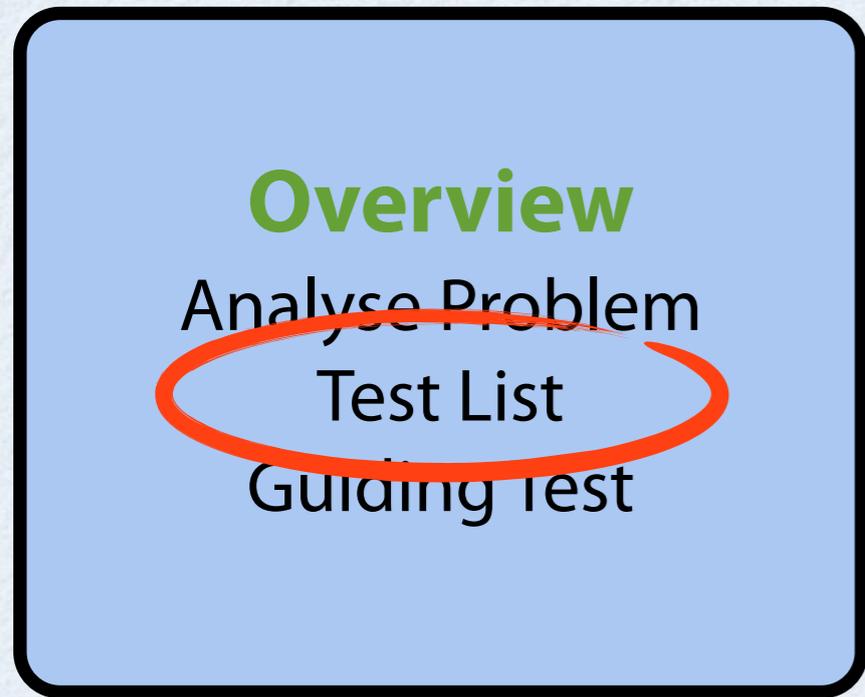


test runs
and fails

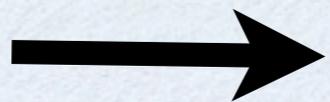


all tests
pass





next test
chosen



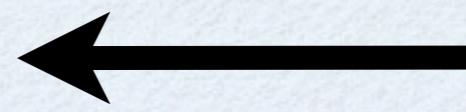
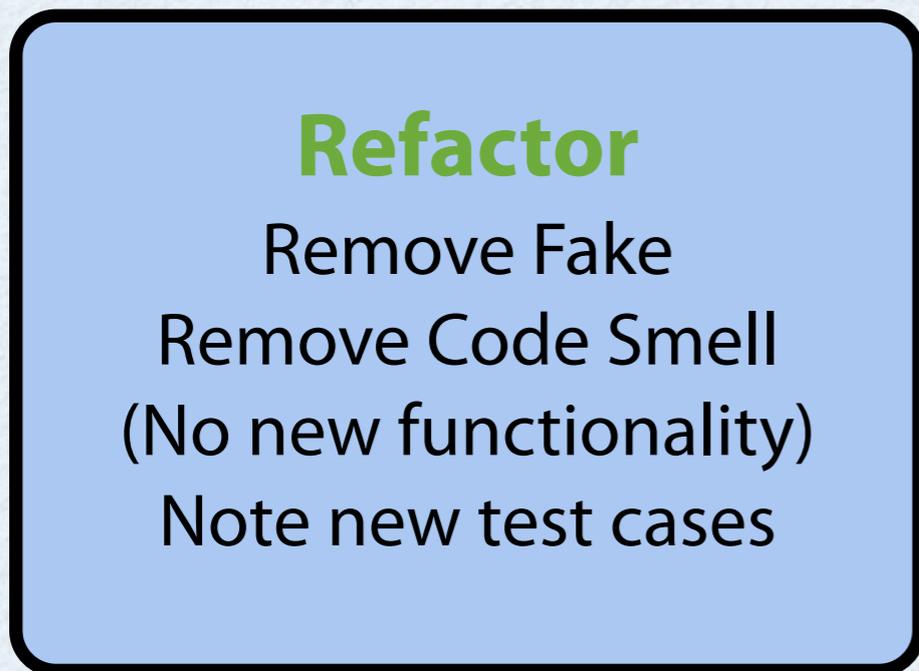
next test
unclear



next test
chosen

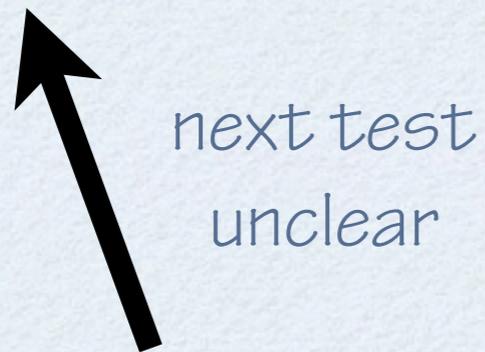
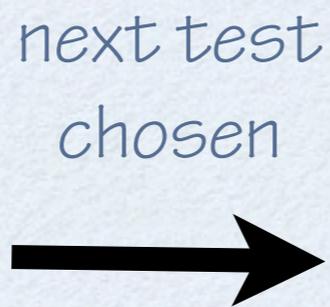
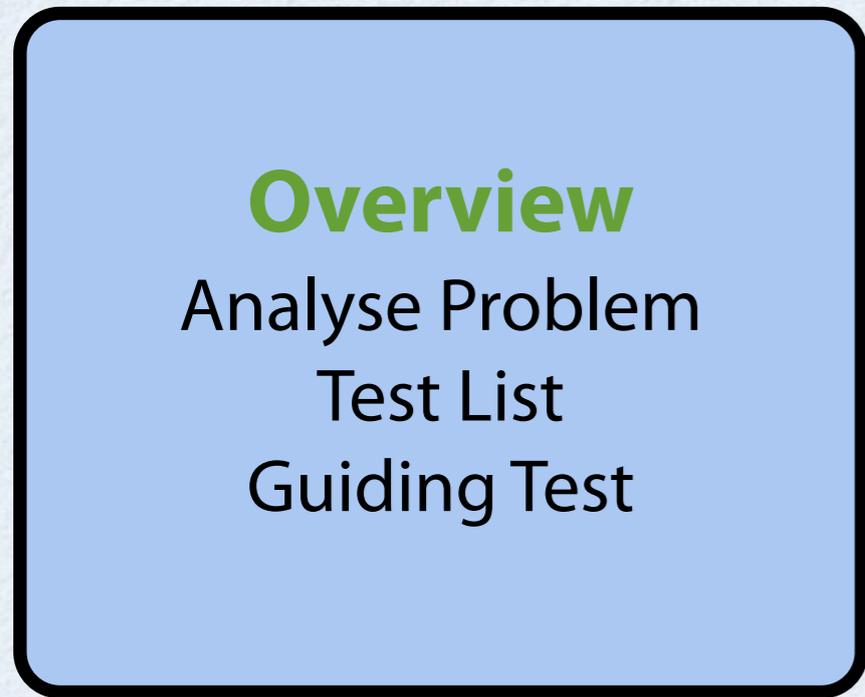


test runs
and fails

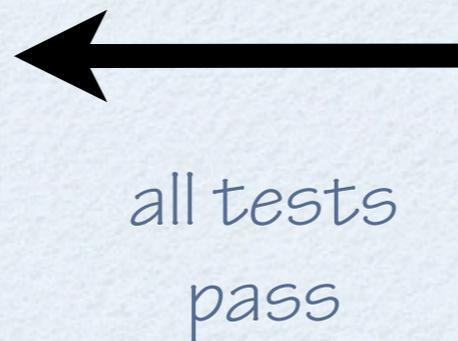
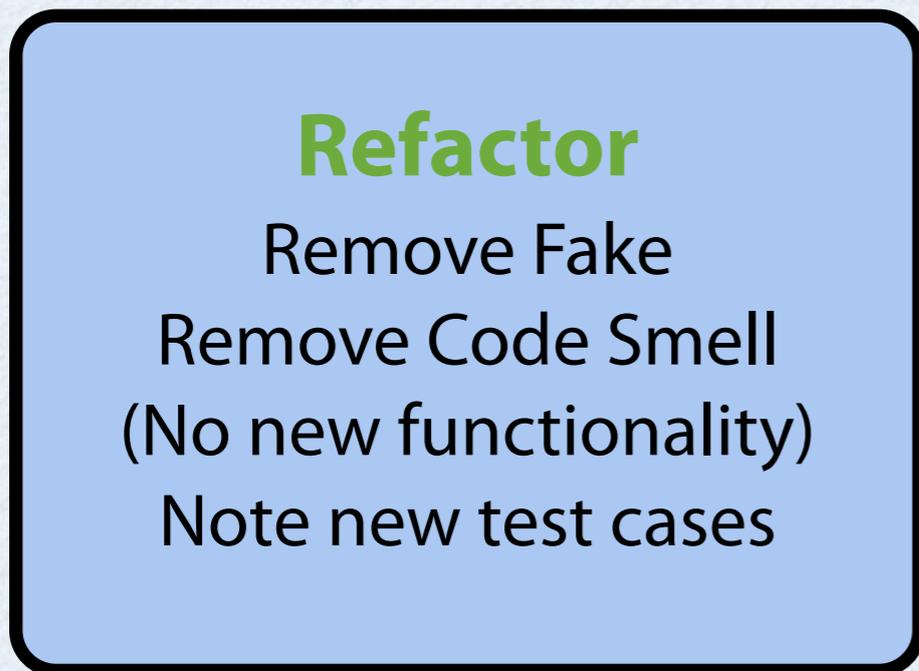


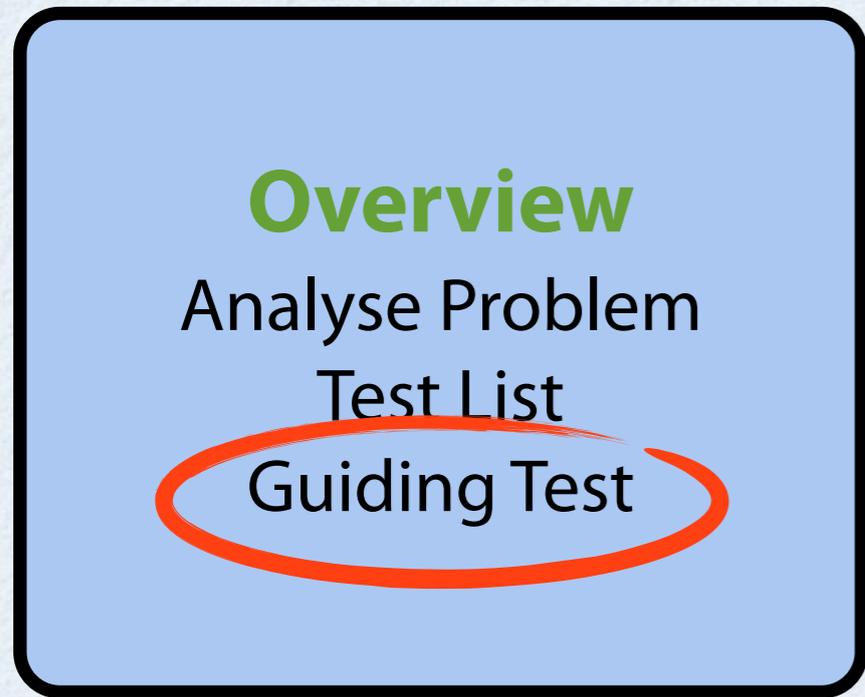
all tests
pass



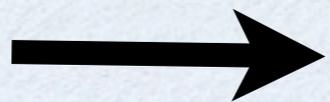


test runs
and fails





next test
chosen



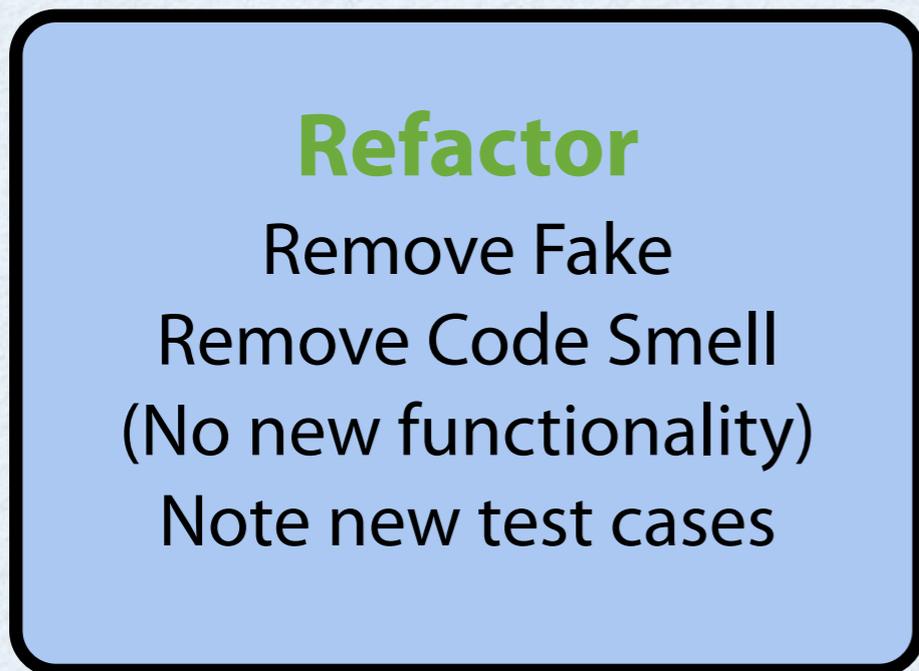
next test
unclear



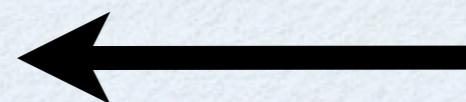
next test
chosen



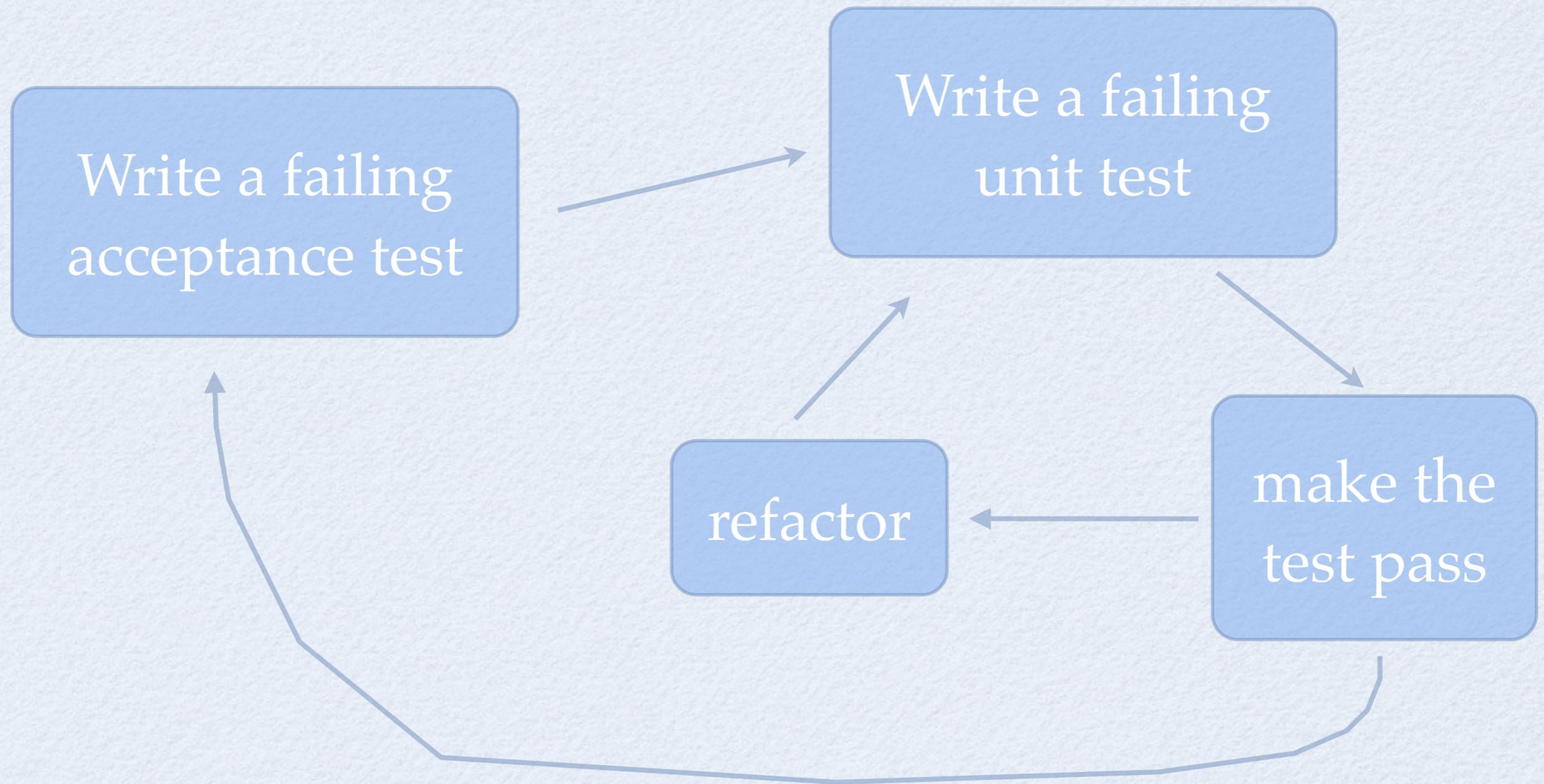
test runs
and fails



all tests
pass



Double-Loop TDD

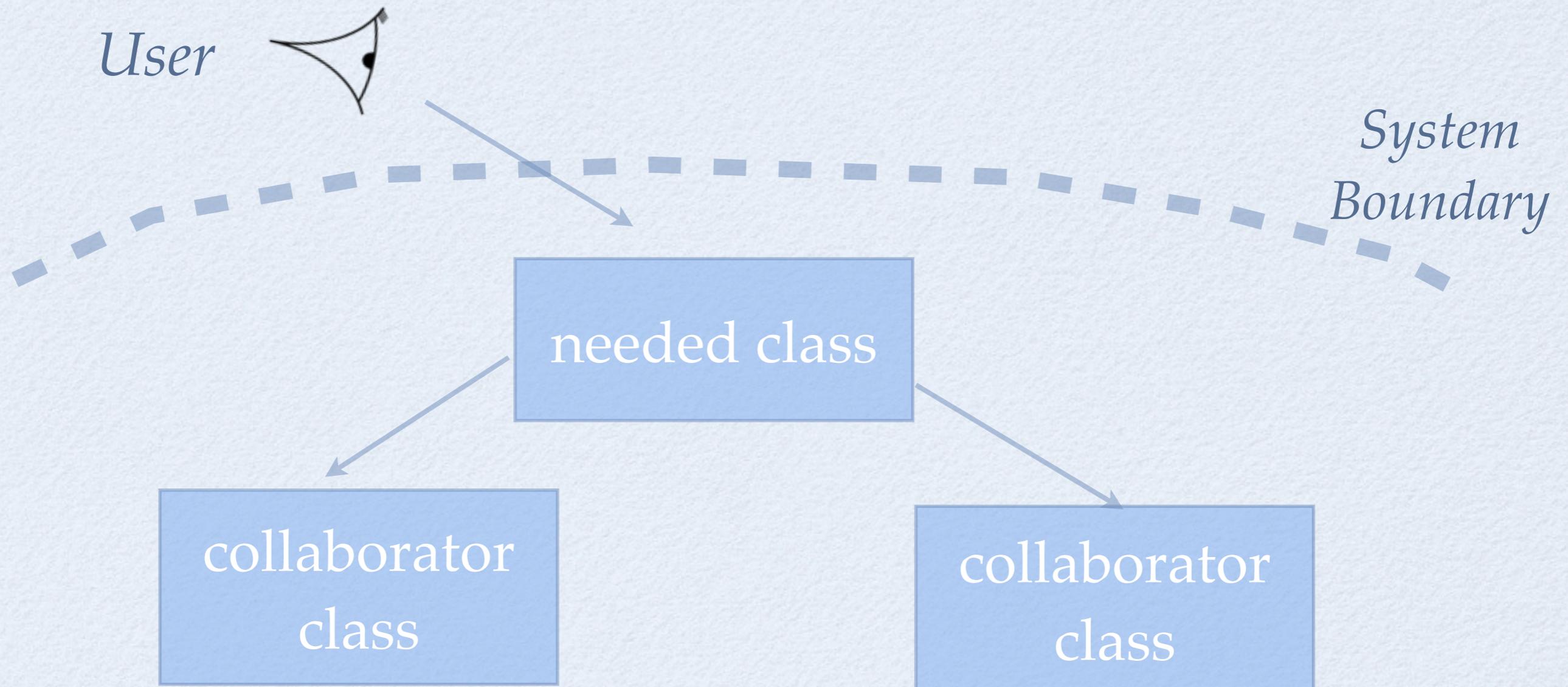


p40 GOOS, Freeman, Pryce

Train Reservation

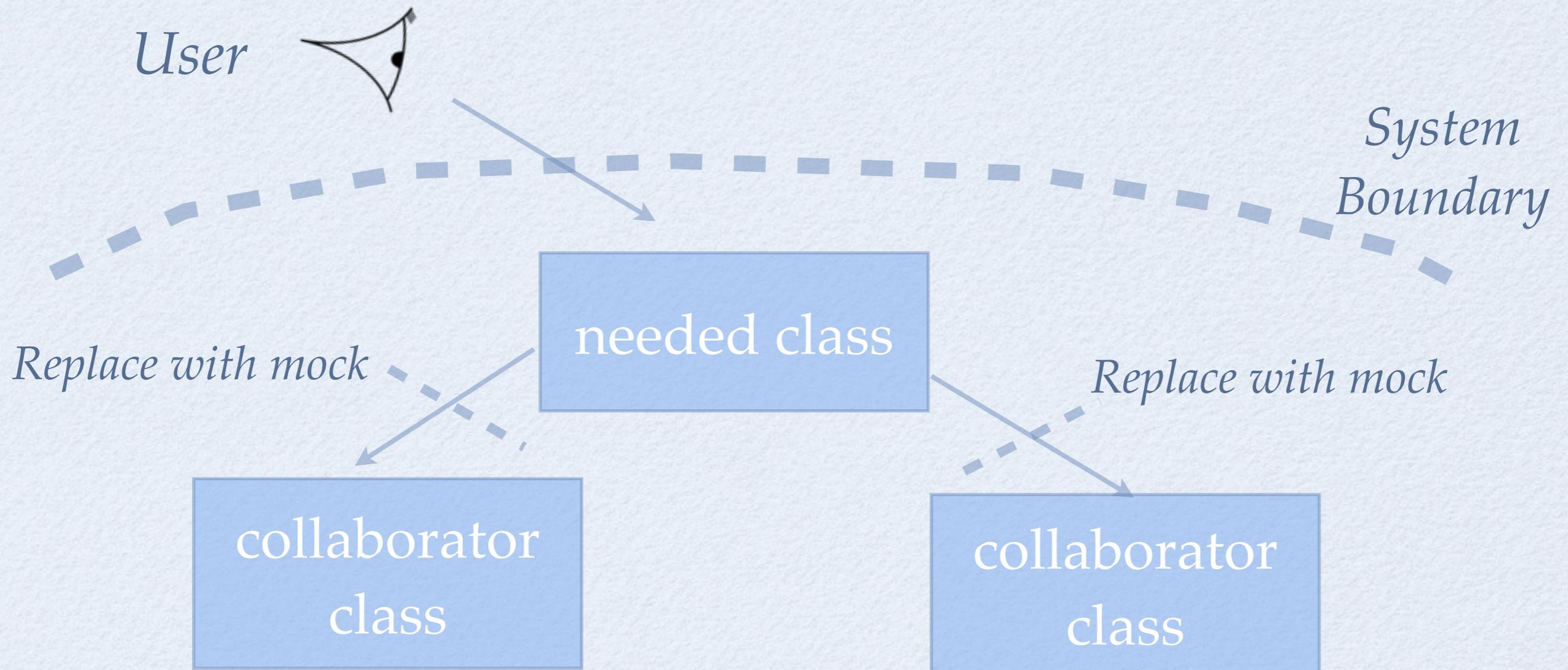
- A code kata I designed.
- Needs more than one class to implement.
- Potential to use Mocks and / or Stubs

London School Outside - In

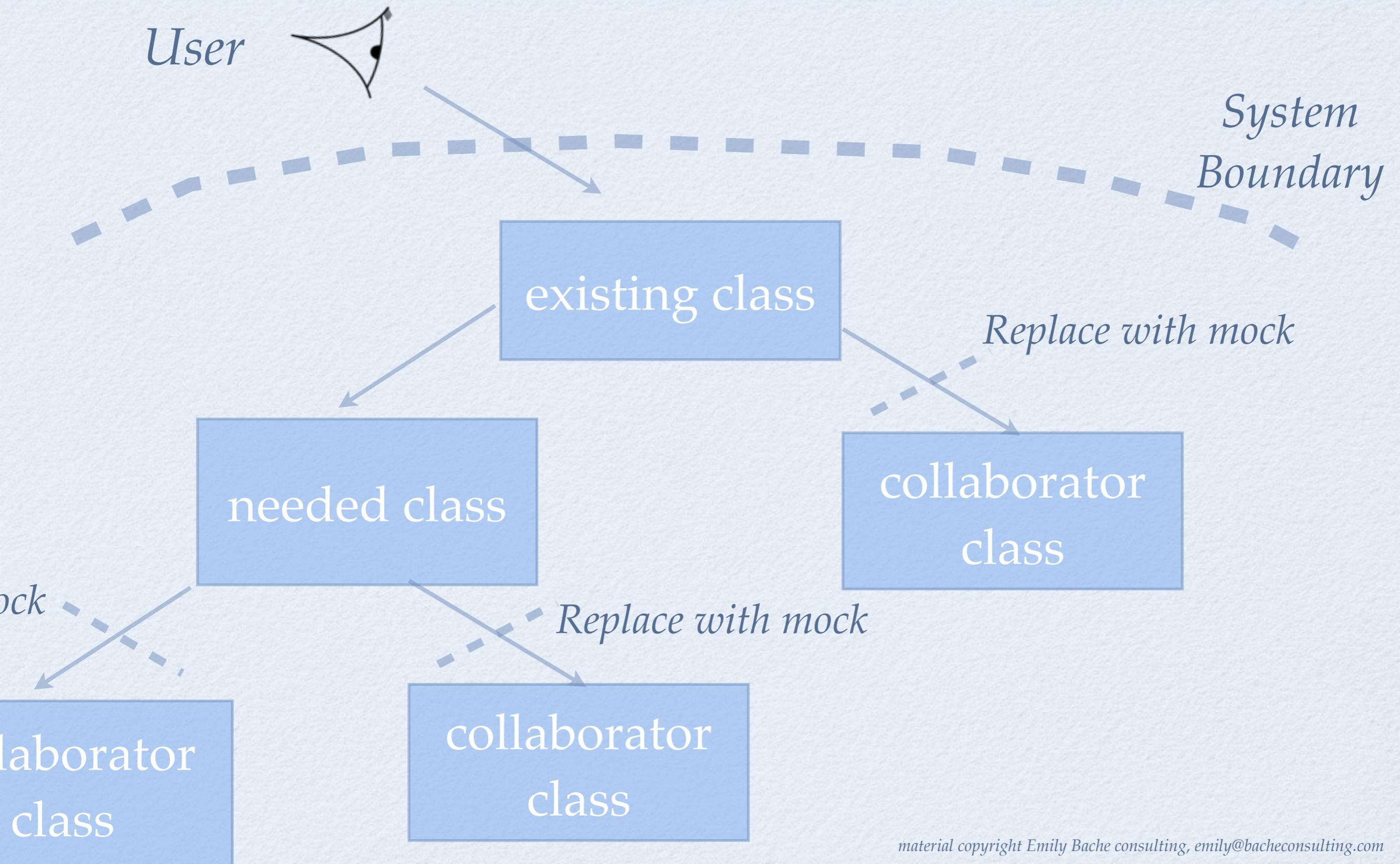


p 61, GOOS, Freeman, Pryce

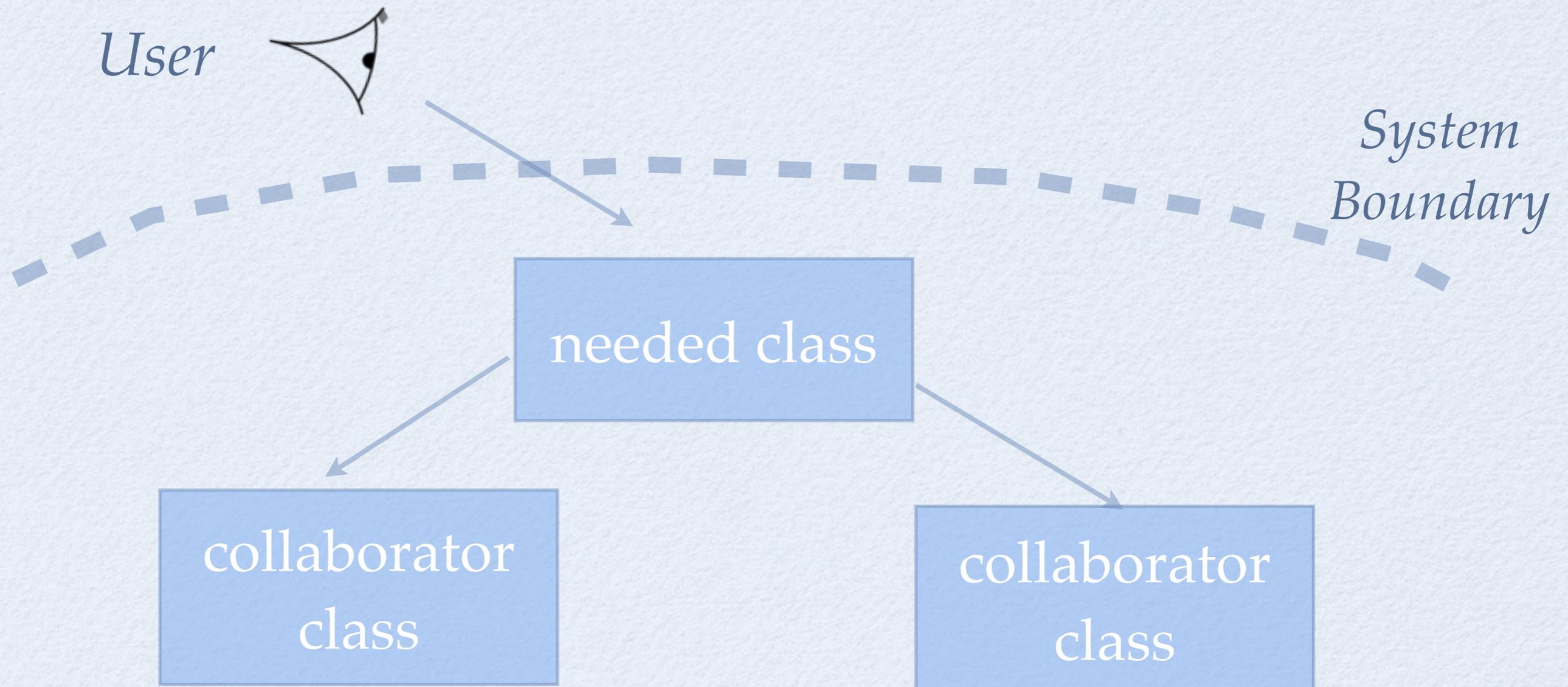
London School Outside - In



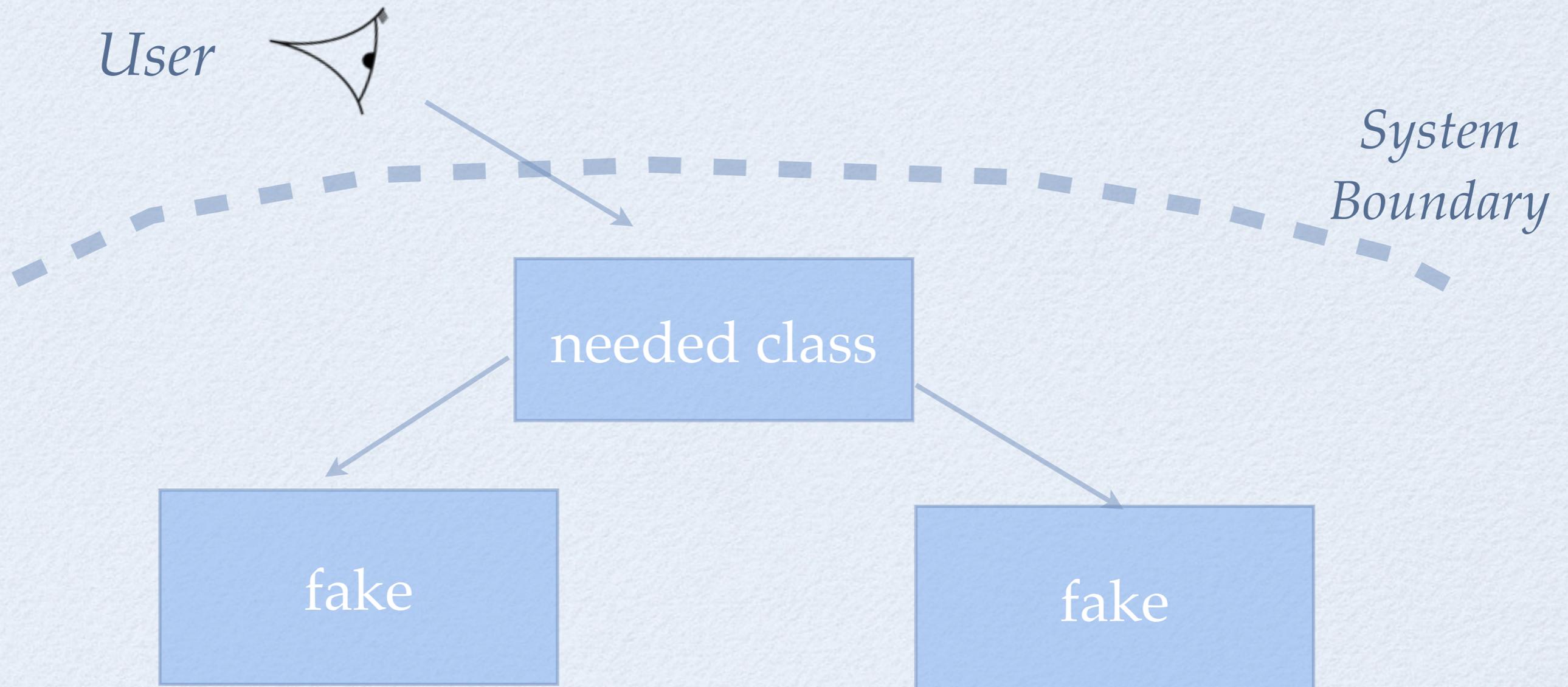
London School Outside - In



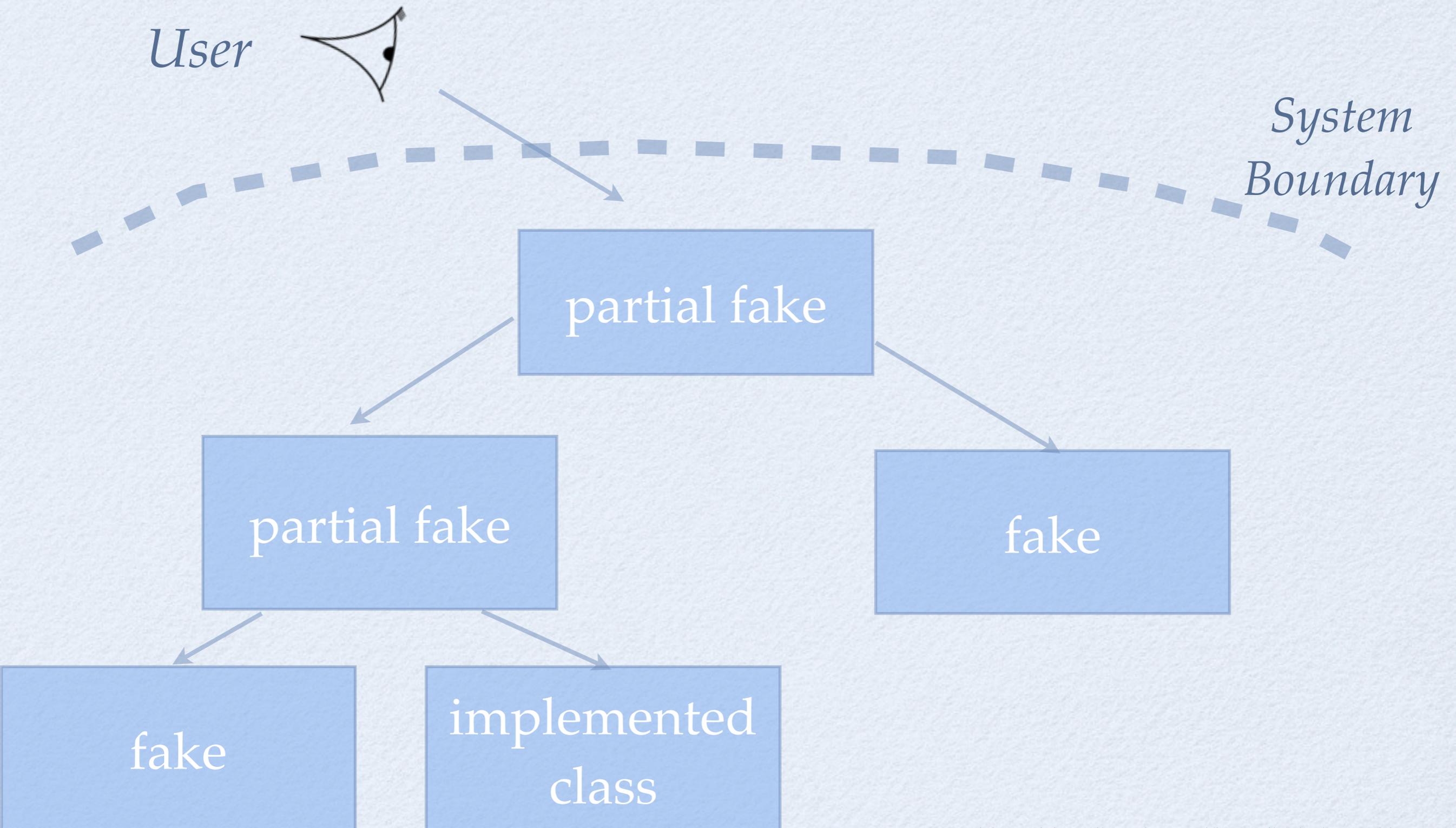
Classic TDD Outside-In



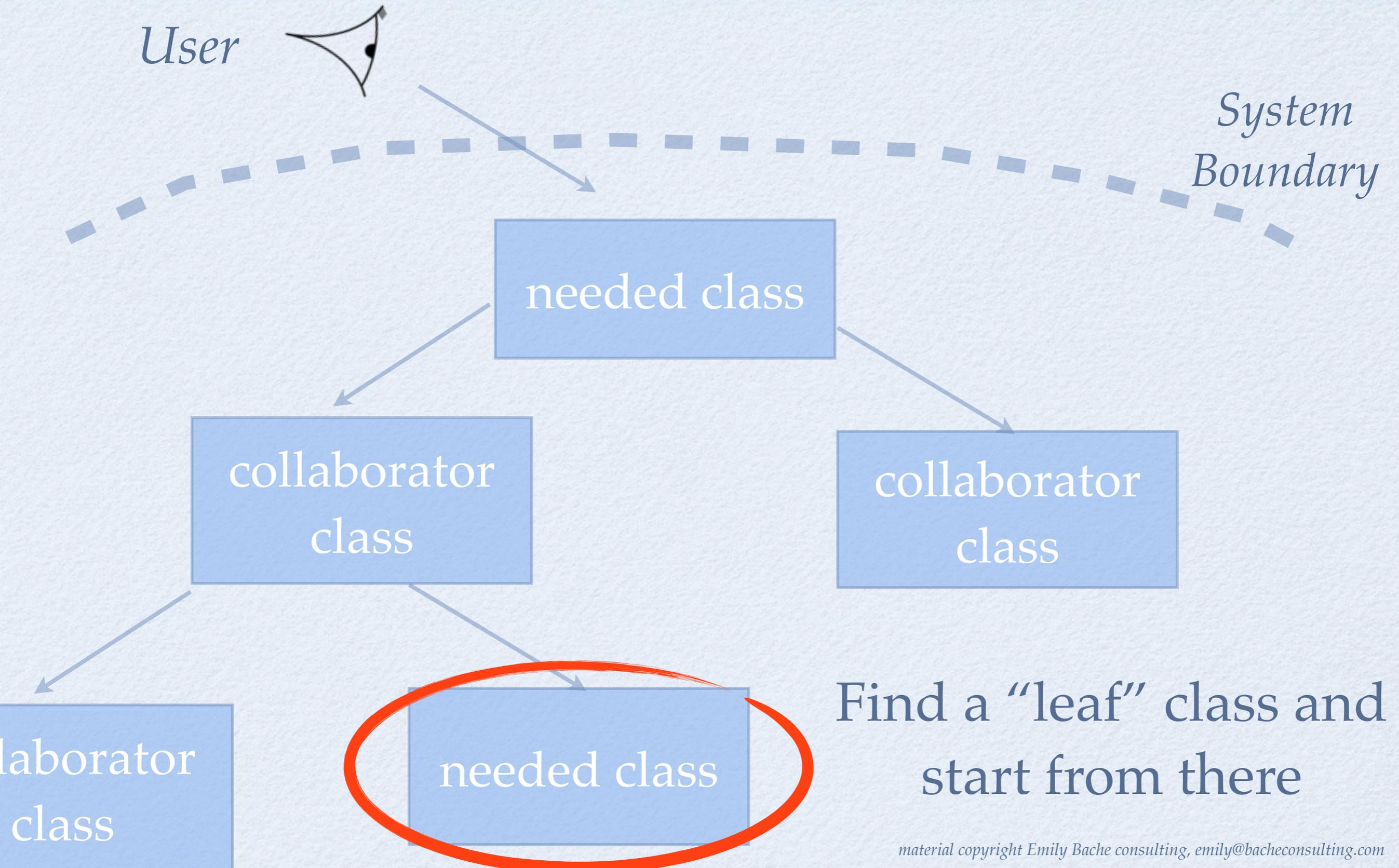
Classic TDD Outside-In



Classic TDD Outside-In



Classic TDD bottom-up



Let me follow your tests

- Use github - fork my project and push to your user
- OR Keep the tests in a file in the order you wrote them
- Don't delete tests, set @Ignore on them or comment out