

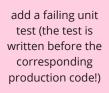


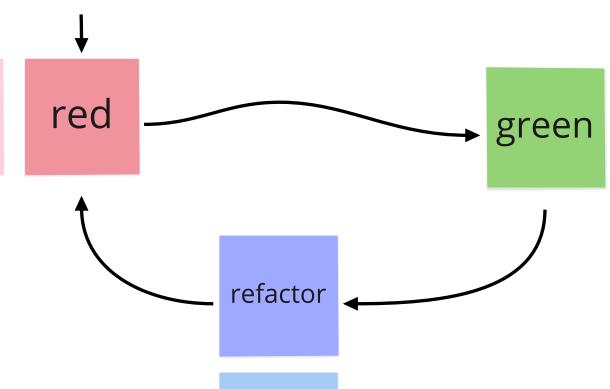
Legacy Code mit Golden Master Testing in den Griff bekommen

27.2.2024

Fundamentals of Test-Driven Development







make minimal changes to the code in order to make all tests pass

clean up the code while preserving its behavior which is defined by the existing tests

The Challenge with Legacy Code



"Legacy Code is code without tests" - Michael Feathers

The code has to be changed to support automated tests.

"**Refactoring** is a disciplined technique for restructuring an existing body of code, altering its internal structure without changing its external behavior." - Martin Fowler

How can you detect changes without automated tests?

Golden Master Testing for Legacy Code





Fix all external inputs (RNGs,
system time,
keyboard input
and so on).

produced for these inputs (console output, emails sent, files changed etc).

Ensemble Programming



Ensemble
Programming
(Mob
Programming)

>2 persons are programming together on one computer

Roles

Driver

does all the typing Navigator

gives directions to the driver / decides what to code next Others

observe and think switch roles every 5 minutes, after each TDD loop, ...

Visual Studio Code - Live Share



