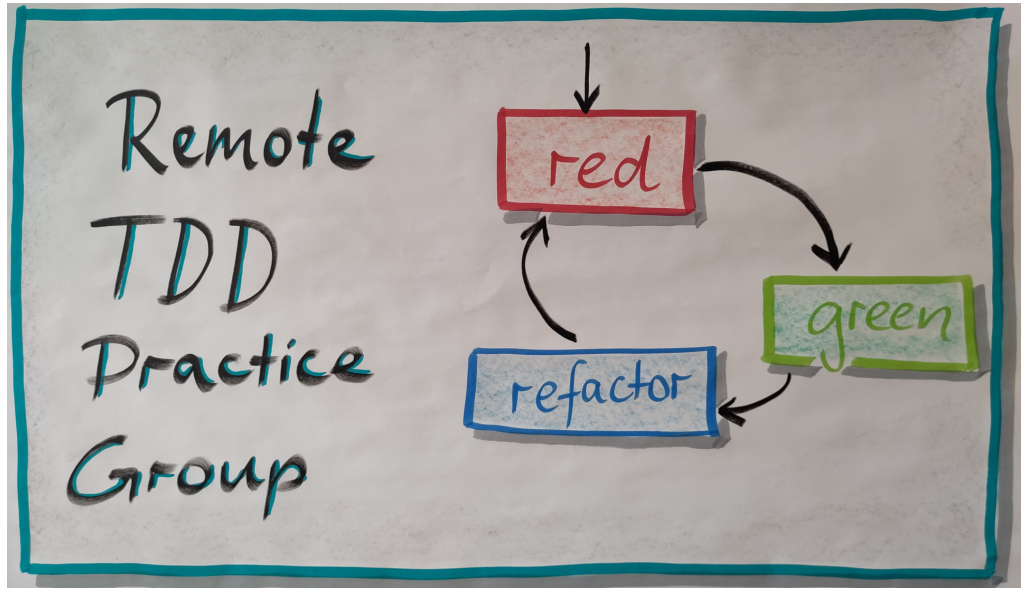


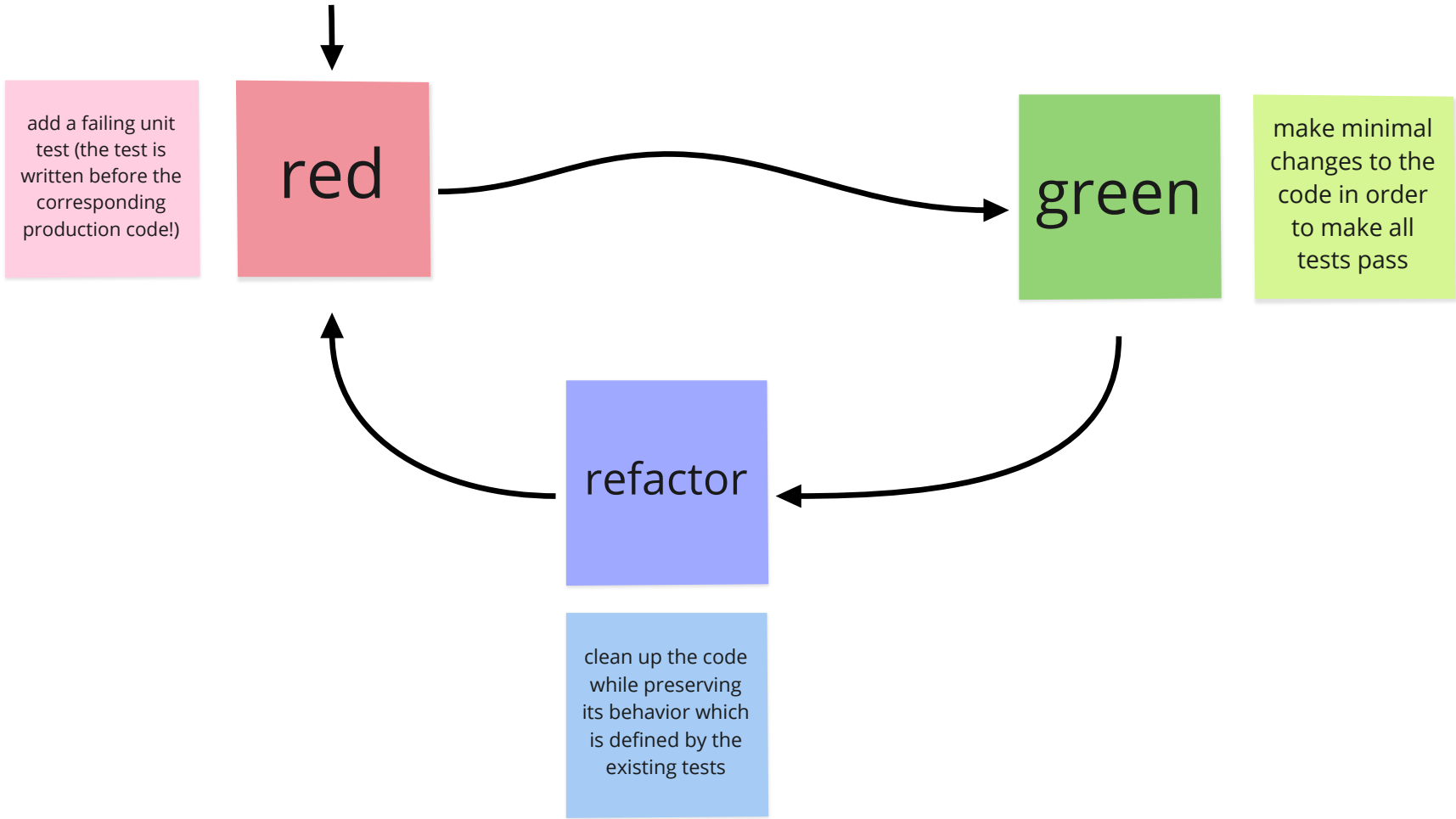
Refactoring Legacy Code

9.4.2024

Armin Troy - Technical Agile Coach - www.technicalagile.coach

Fundamentals of Test-Driven Development

technical agile coach



Refactoring

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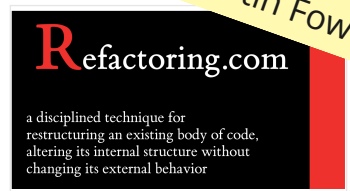
"**Refactoring** is a disciplined technique for restructuring an existing body of code, altering its internal structure without changing its external behavior." - Martin Fowler

Martin Fowler



refactoring.com

Refactoring Home Page

Introduction to the technique of refactoring and online catalog of refactorings

refactoring.guru

Refactoring and Design Patterns

Refactoring is a controllable process of improving code without creating new functionality. Design Patterns are typical solutions to the commonly occurring problems in software design.

Examples

- extract method
- rename symbol
- inline method
- invert if
- ...

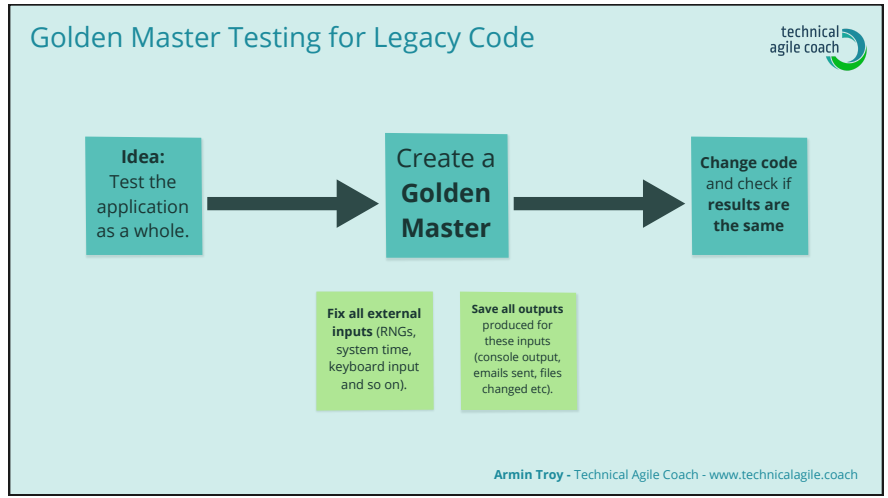
- refactoring supported by IDE
- manual refactoring

Approval Testing

capture the output of a system, software, or program as a snapshot

↓

confirm that they have not changed compared to a previously approved version



approvaltests.com

Home

Approval Tests Library - Capturing Human Intelligence [available for Java, C#, VB.Net, PHP, Ruby, Node.JS and Python]

Ensemble Programming

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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, ...