

testdriving



Fail



Pass



Refactor

THE failing TEST



Describe what you want the code to do



Giveninitial state

When something happens

Then

I expect a specified result



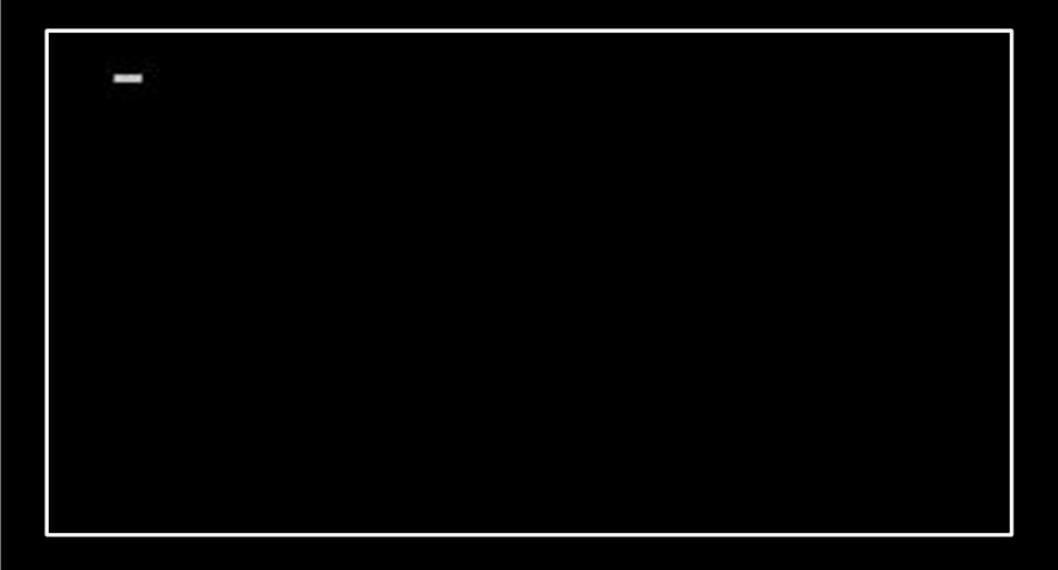
Start
with
acceptance
test

And go top down



do NOT overthink it

can't do CODE?



ScoreCalculation.feature

Feature: Score Calculation

In order to know my performance

As a player

I want the system to calculate my total score

Scenario: Gutter Game

Given a new bowling game

When all of my balls are landing in the gutter

Then my total score should be 0

Scenario: All Strikes

Given a new bowling game

When all of my rolls are strikes

Then my total score should be 300

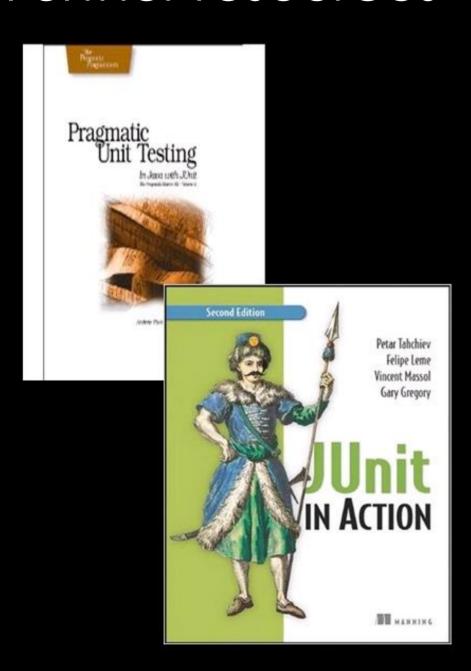
use

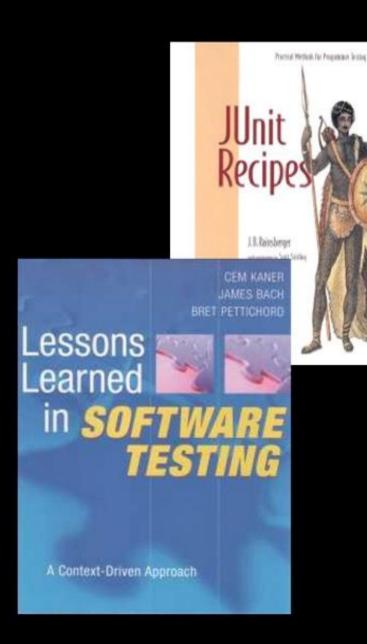
natural language

the message meaningful



Further resources



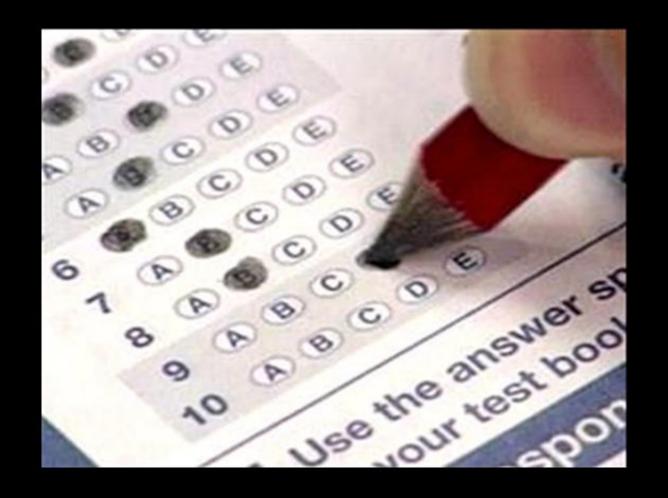


Do not even think about





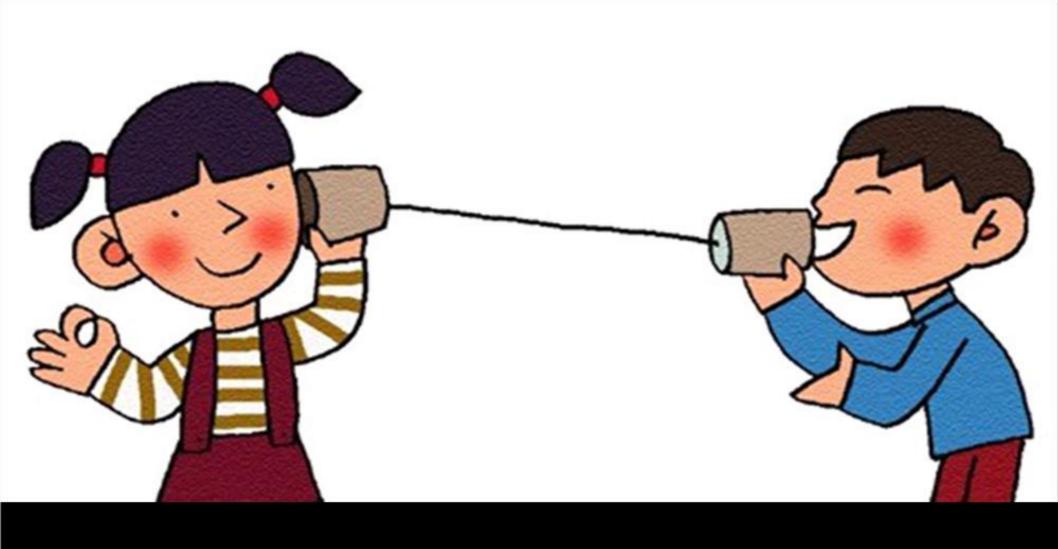




Passing test



the simplest possible solution



But don't try to cheat yourself

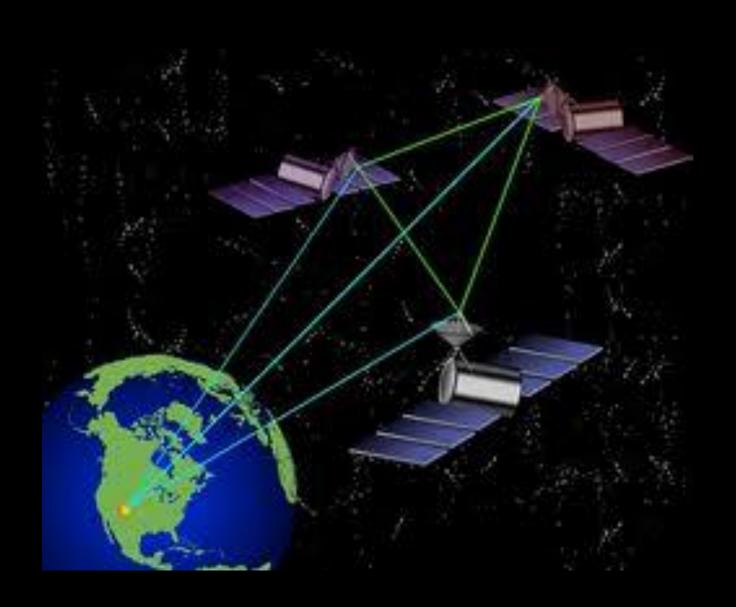
```
public int inc(int n) {
    return n + 1;
}
```

Most of the time USE obvious implementation

```
public boolean hasReactorLeaked() {
    return false;
}
```

Fake it if you really can't do obvious implementation.

Triangulate



Learn patterns for simplification



And OCID...

Do not even think about

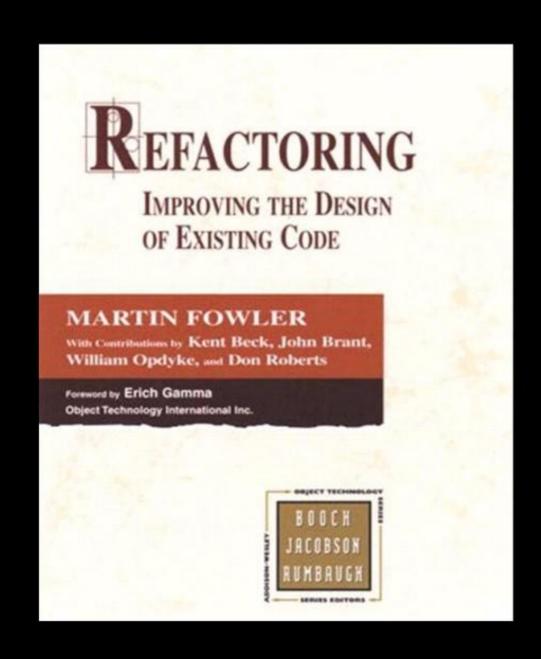








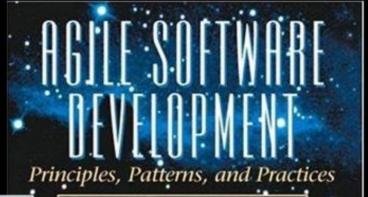
Made it work?

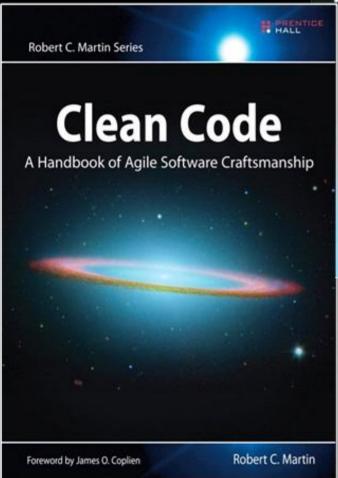


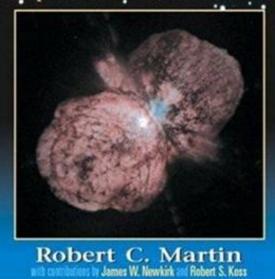
Now make it right

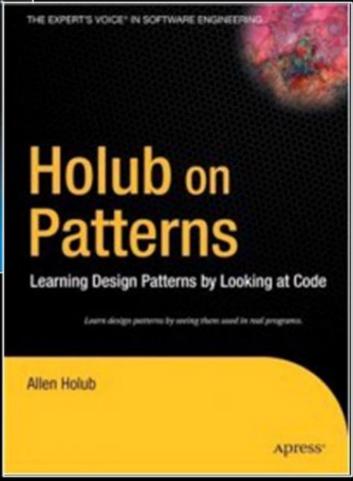


Don't try to create a work of art for a connoisseur









but do follow good practices



Refactoring code and tests at the same time

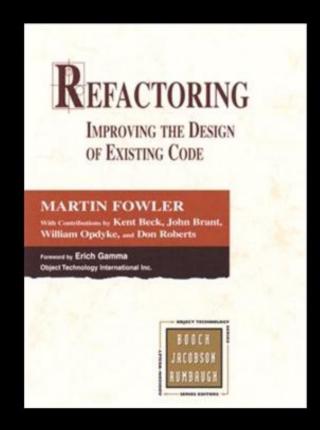
means TROUBLE

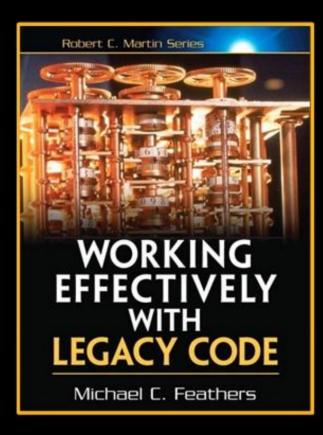
Use automatic refactoring as much as possible

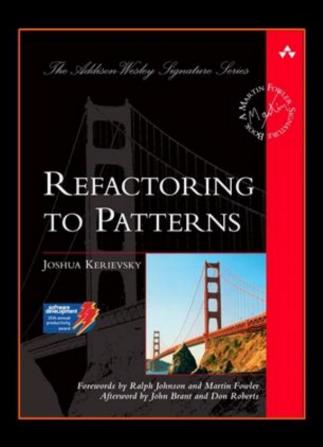


Learn the combos!

Further resources







CONTROVERSIAL



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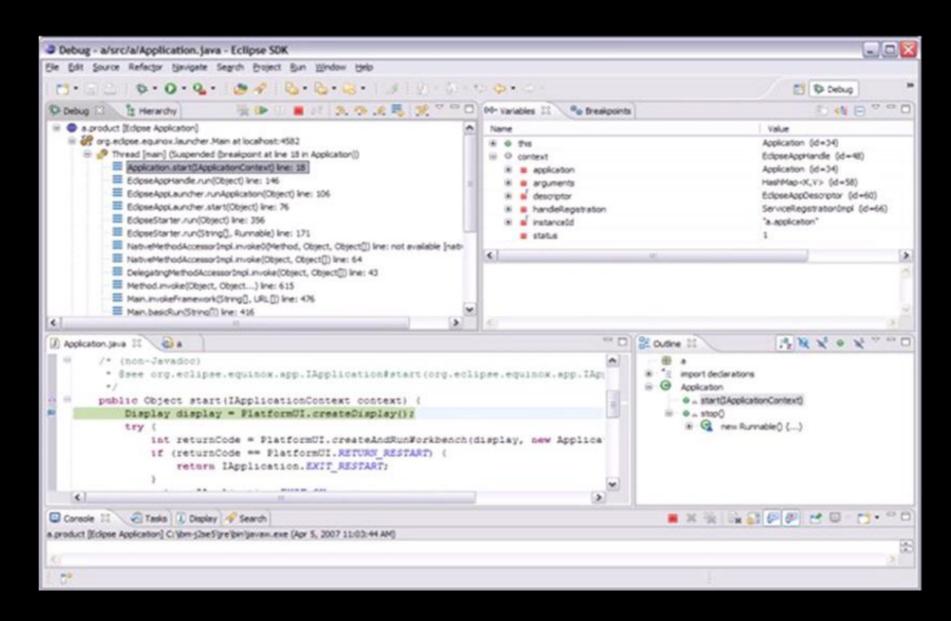
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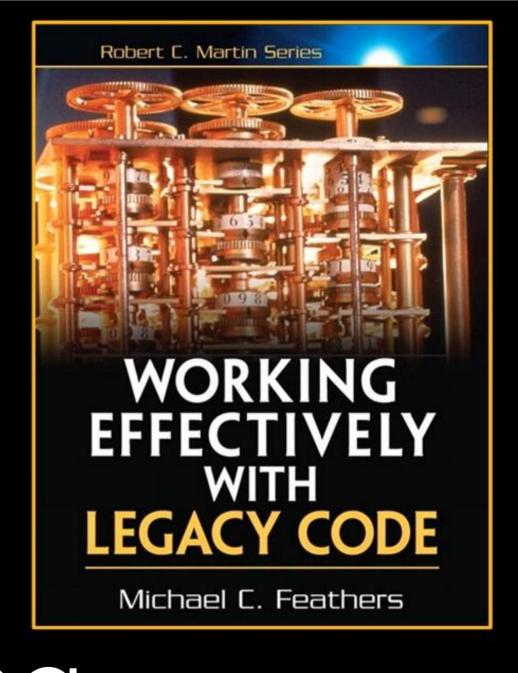


Use debugger - it's a tool



3 IS NO

Use scratch refactoring



..and remember to revert ALL your changes

A:\>format c: /u

WARNING, ALL DATA ON NON-REMOVABLE DISK DRIVE C: WILL BE LOST! Proceed with Format (Y/N)?y



learning TDD is one of many steps to become Master Software Craftsman

Further resources









Pass Refactor

it's really as simple as that ;)

Main take-aways

- Practice, practice and once more practice
- Divide and conquer
- Programming is much more than writing code

Uncomfortable Questions &

Hardly any Answers