



Test-Driven Development

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TOC

Overview

Understanding the problems

Project objective

Target audience

Market trends

Cycle diagram

Introducing: Lorem ipsum

Spotlight on desktop

Spotlight on mobile

Spotlight on landscape view on mobile

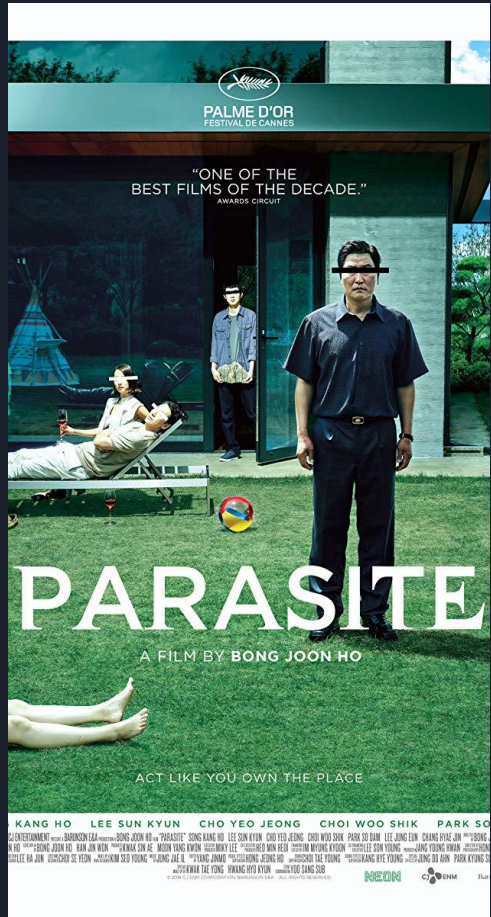
Spotlight on wearables

Spotlight on tablet

Spotlight on landscape view on tablet

Spotlight on wearables

Project timeline



What makes it so good?

PLOT TWIST
BEYOND EXPECTATION



Why TDD?

- Specifying product requirements and design before writing the actual program code
- Help programmers write the better code

“You may end up spending less money and time for a better product by properly testing”



What is TDD ?

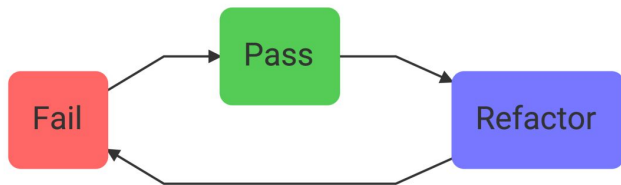
- Software development methodology whereby tests is written and run before code is written.
- TDD “reinvented” by Kent Beck (XP)
- Implemented in automated testing



Where to use TDD?

- Long term project

How?



01

Write test. Watch test fails.

02

Write implementation code. Test again, watch the test pass.

03

Refactor if needed. Then repeat the process



Pros & Cons

1. Pros

- makes code more easier to maintain and refactor
- Help prevent defects
- Help programmers write better code

2. Cons

- extra codes mean extra time
- test itself has to be maintained
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DEMO

- Clone to <https://github.com/muhamadabduh/fizzbuzz-test>
- Fizzbuzz Requirements:
 - Function accept number as parameter
 - Return “fizz” if number can be divided by 3
 - Return “buzz” if number can be divided by 5
 - Return “fizzbuzz” if number can be divided by 3 and 5
 - Otherwise return the number