You code it – you test it!

Andrei Solntsev

codeborne

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It's not about tests

It's about **development**

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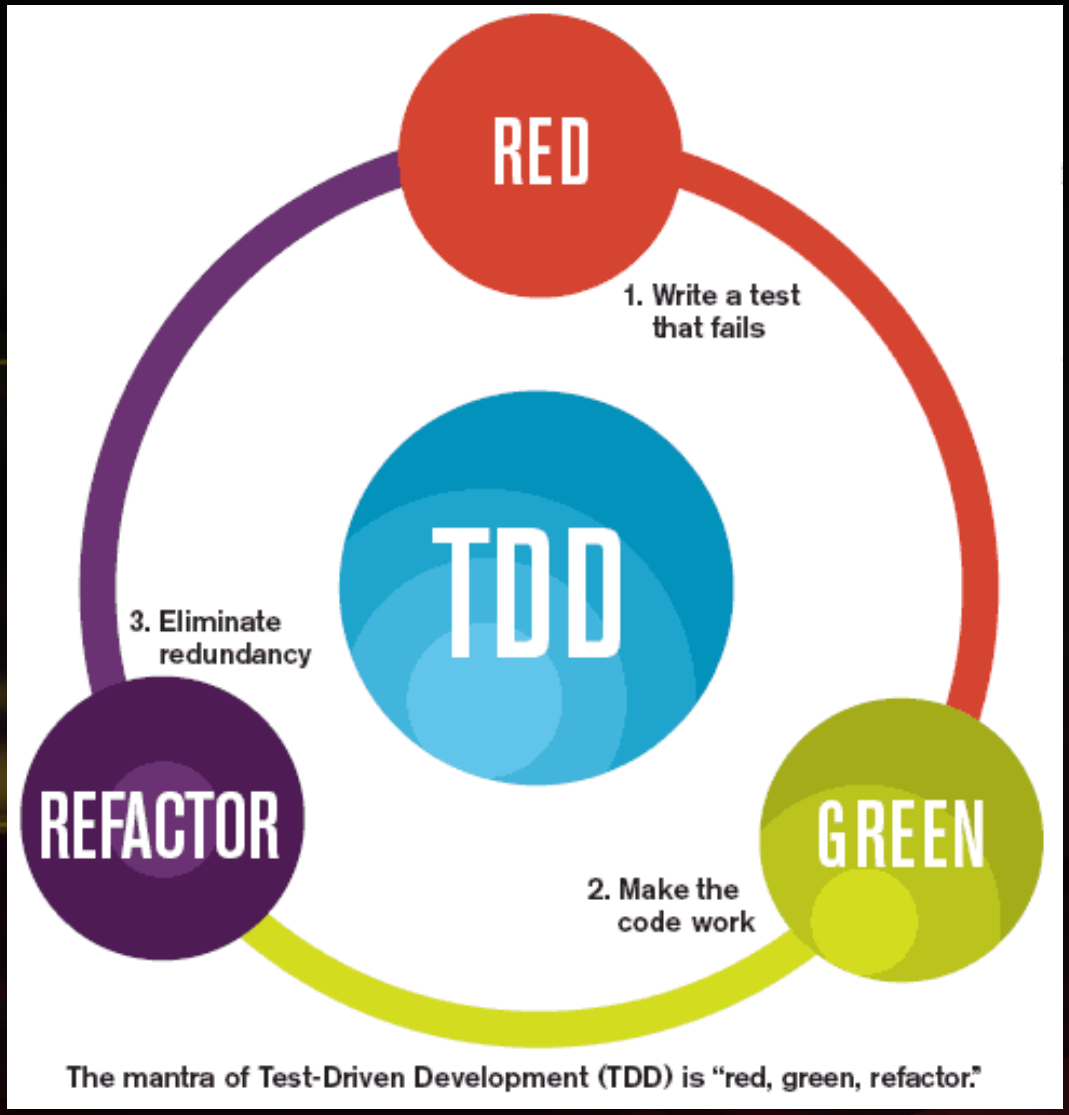

The mantra of Test-Driven Development (TDD) is "red, green, refactor."

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ALL CODE IS GUILTY
UNTIL PROVEN INNOCENT

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TDD pros

1. Better code design!

   - You are forced to think before coding

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TDD pros

2. Test coverage
   - All logic is tested
   - Executable documentation
   - No fear of change!

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TDD pros

3. Predictable process

- No bugs explosion
- No “99% ready” problem

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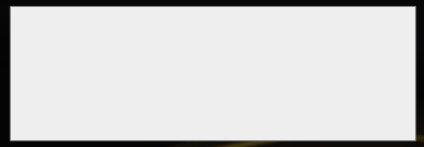
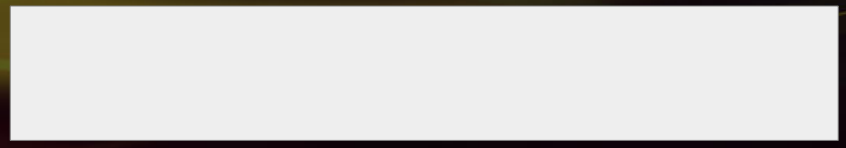
Without unit-tests



With unit-tests



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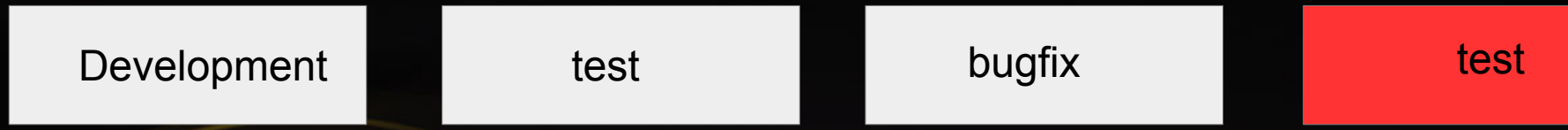
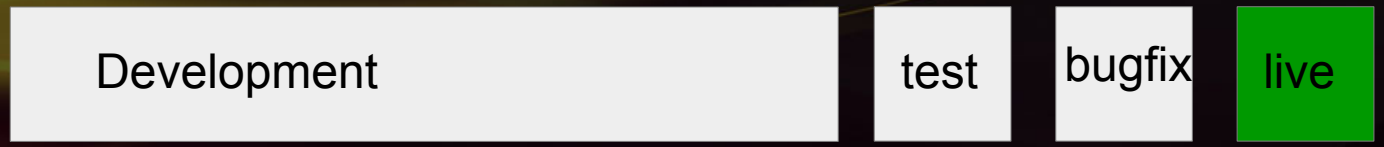
Without unit-tests



With unit-tests



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We don't have time for unit-tests, we are late with tasks.

You are late with tasks, because you don't have tests!

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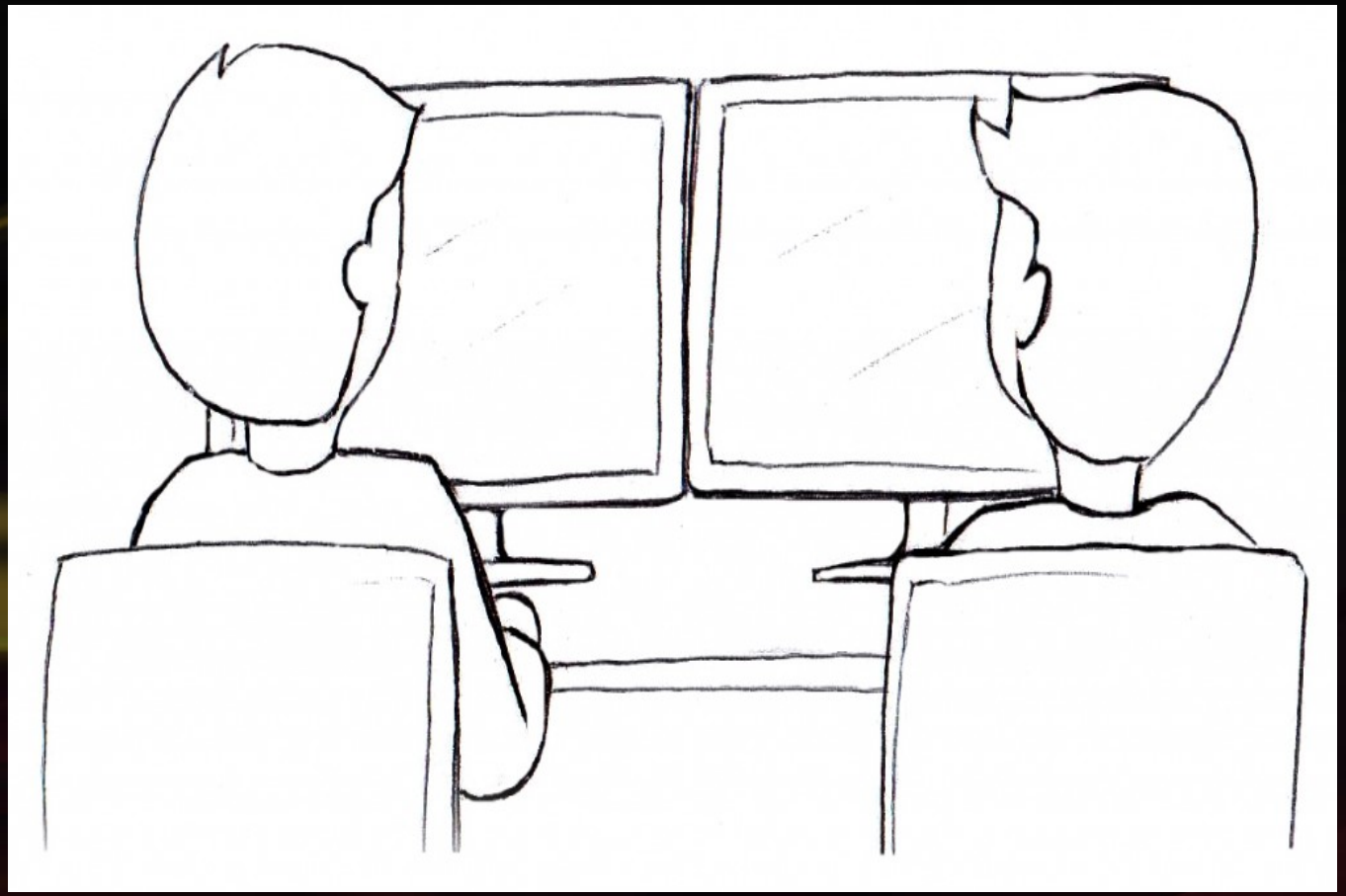
Let's do practice!



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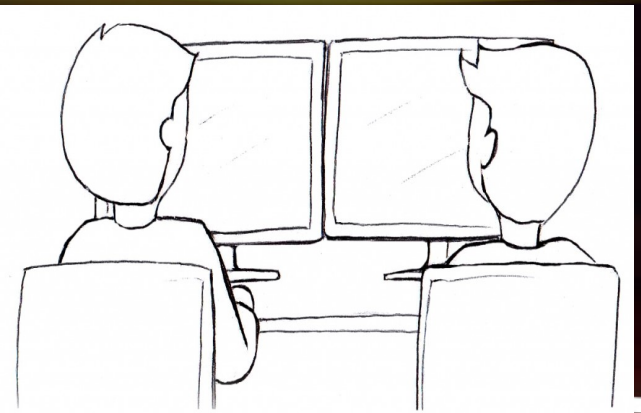
Ping-pong programming

- A writes test
  - B satisfies test
    - B writes test2
      - A satisfies test2



TDD in JavaScript

```
describe("Cart", function() {
  var cart;

  beforeEach(function() {
    cart = new Cart();
  });

  describe("total amount", function() {
    it("is zero for empty cart", function() {
      expect(cart.getTotalAmount()).toEqual(0.0);
    });
  });
});
```

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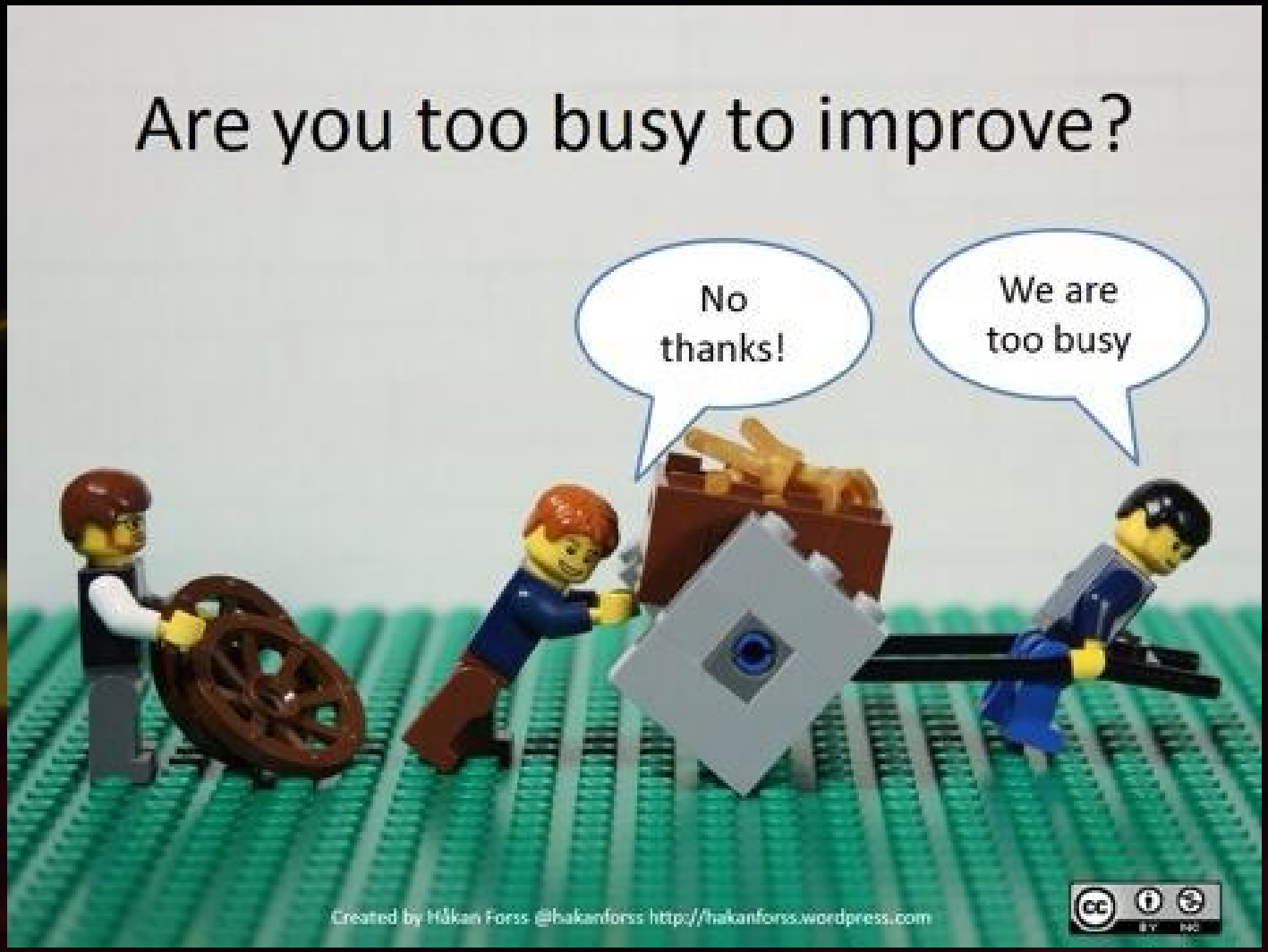
Write unit-tests!



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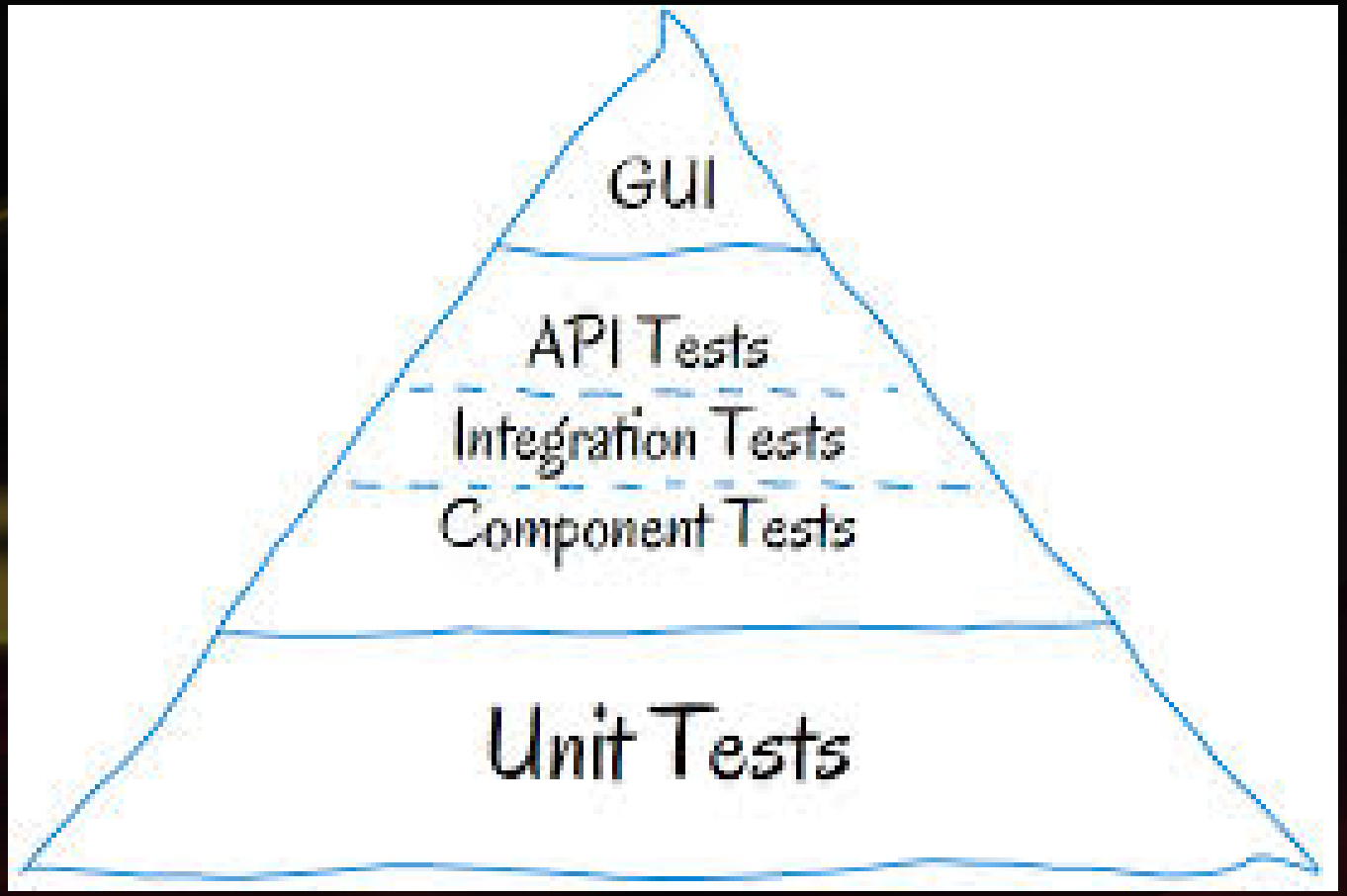
Testing pyramid



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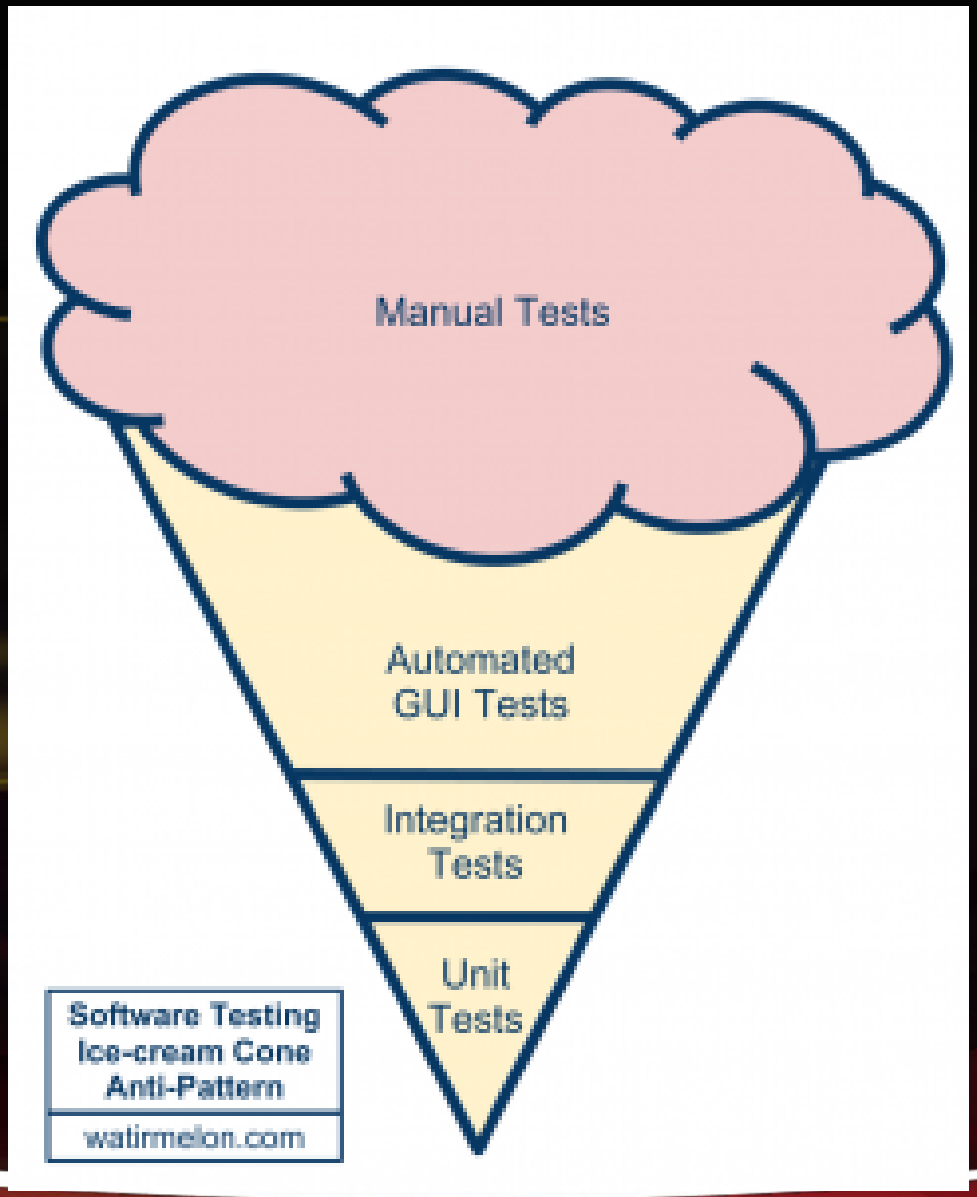
Testing pyramid



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- -
- You test it!

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