



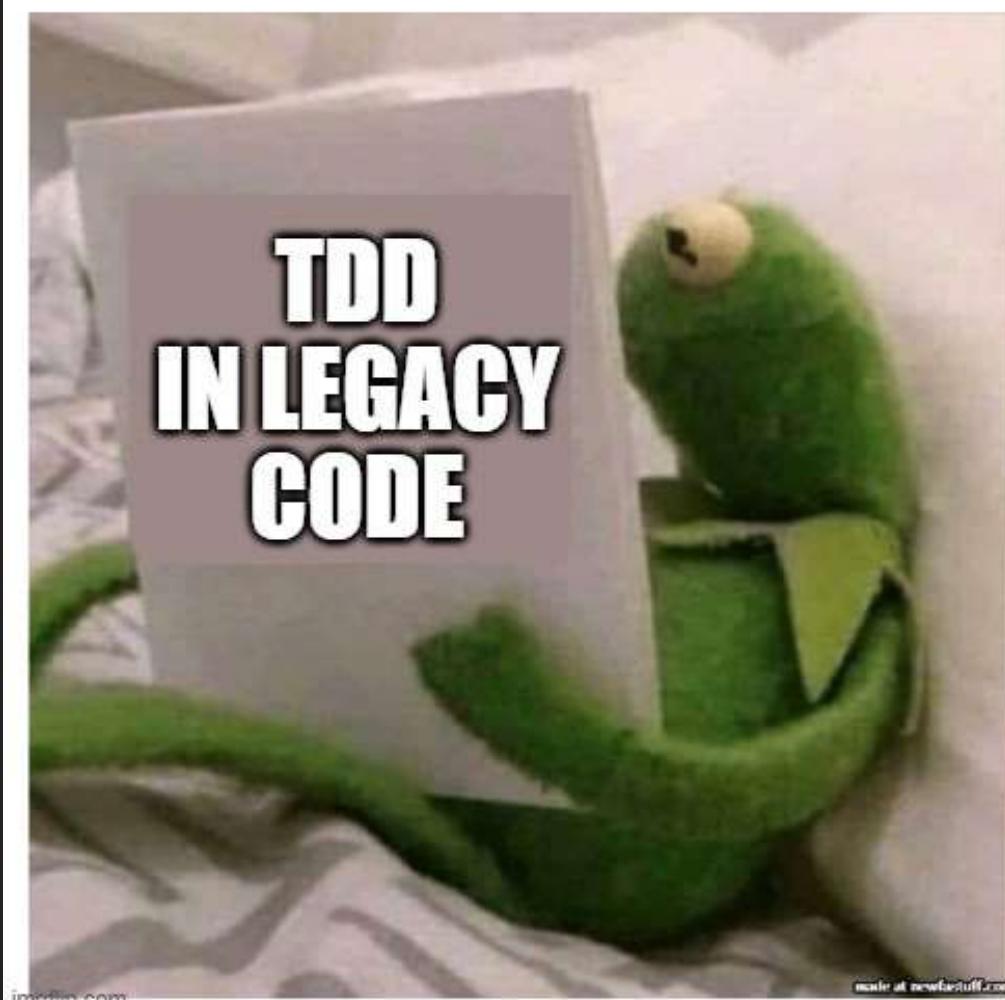
Gil  
Zilberfeld  
  
CTO  
TestinGil

CONF42

PYTHON

JANUARY 27 2022

# TDD IN LEGACY CODE



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Hello!

# I AM GIL ZILBERFELD

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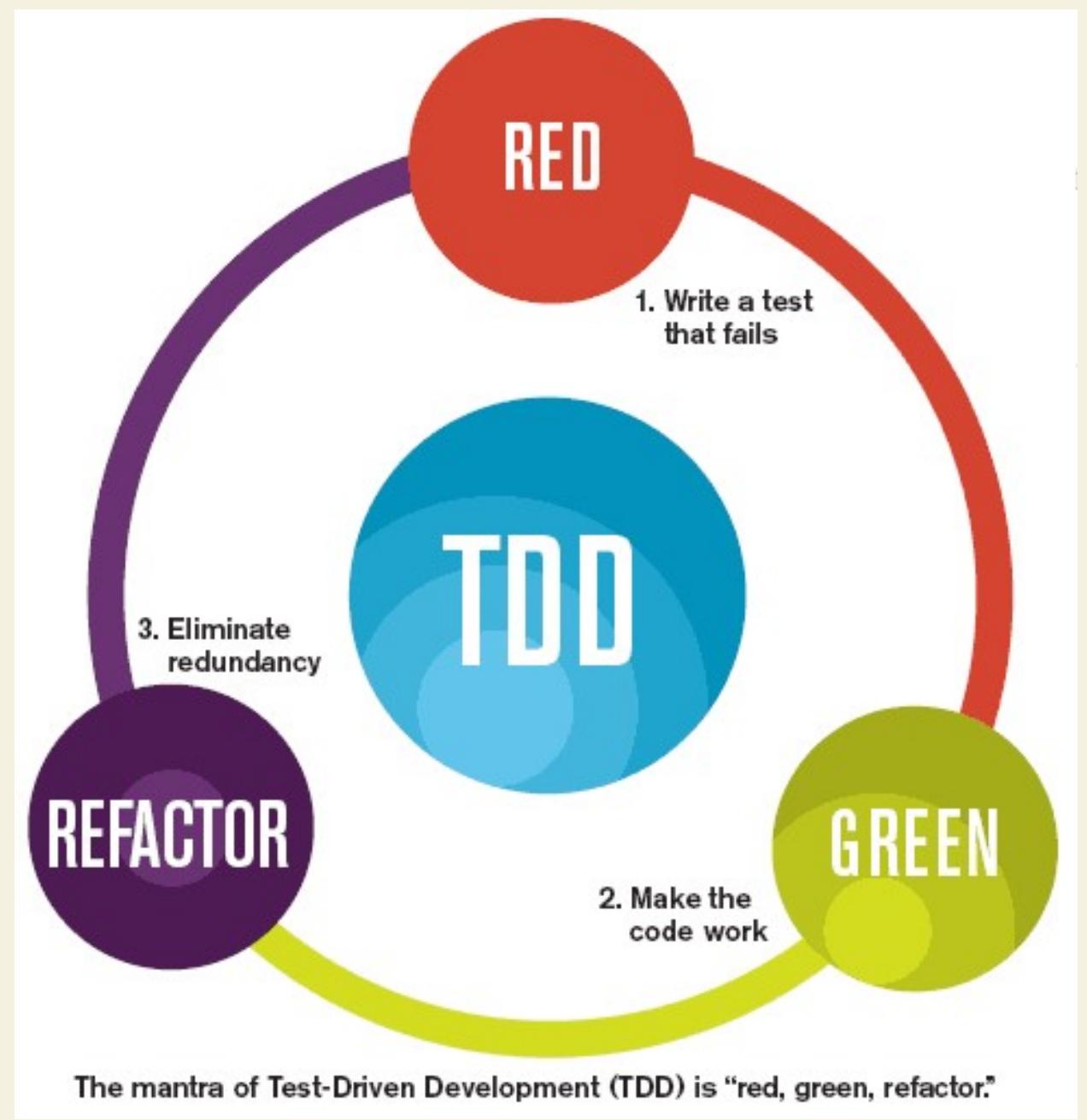


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## The TDD cycle



```
@Test  
@DisplayName("My First Test")  
void canAddTwoNumbers() {  
    Calculator calc = new Calculator();  
    int result = calc.add(3,5);  
    assertThat(result, is(8));  
}
```

```
@Test  
@DisplayName("My First Test")  
void canAddTwoNumbers() {  
    Calculator calc = new Calculator();  
    int result = calc.add(3,5);  
    assertThat(result, is(8)));  
}
```

```
public class Calculator {  
  
    public int add(int i, int j) {  
        return i+j;  
    }  
  
}
```

```
@Test  
@DisplayName("My First Test")  
void canAddTwoNumbers() {  
    Calculator calc = new Calculator();  
    int result = calc.add(3,5);  
    assertThat(result, is(8)));  
}
```

```
public class Calculator {  
  
    public int add(int firstNumber,  
                  int secondNumber) {  
        return firstNumber+secondNumber;  
    }  
  
}
```

TDD

It can't be that easy.

It's that easy.

## In the real world

- Examples are too simplistic
- Real dependencies cause havoc
- The code resists
- Changing the code for tests is risky

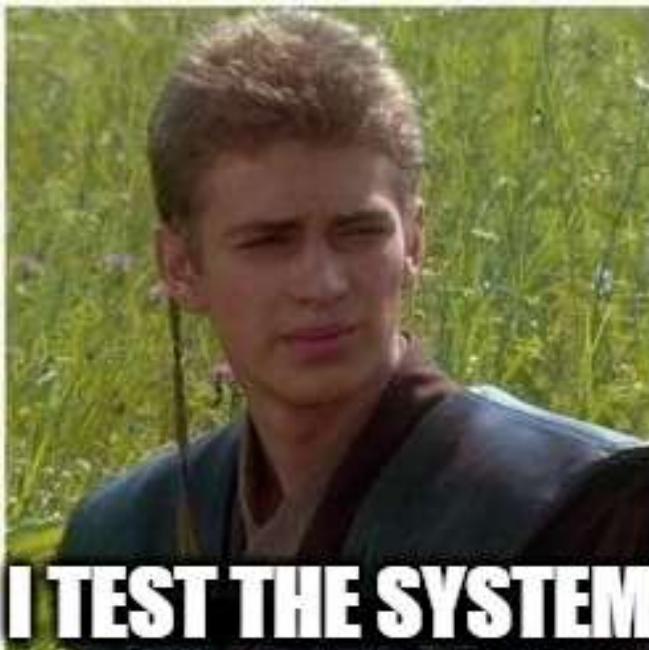


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## Principles

- Think about what you want to do, how would you know it worked?
- Add some tests for existing code
- Do some pre-refactoring (clean the workspace)
- Make it public (if needed)
- Introduce the change through TDD

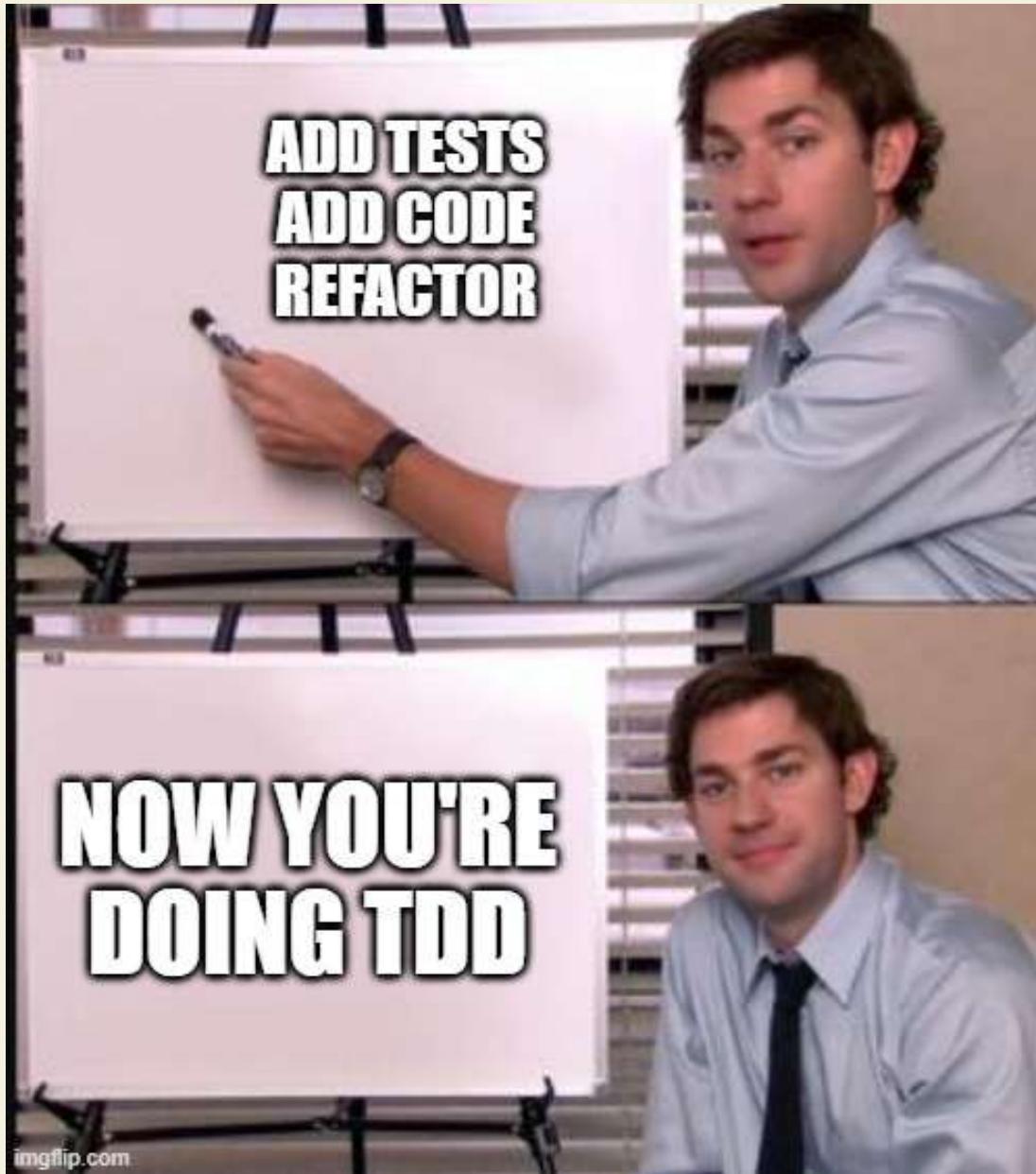




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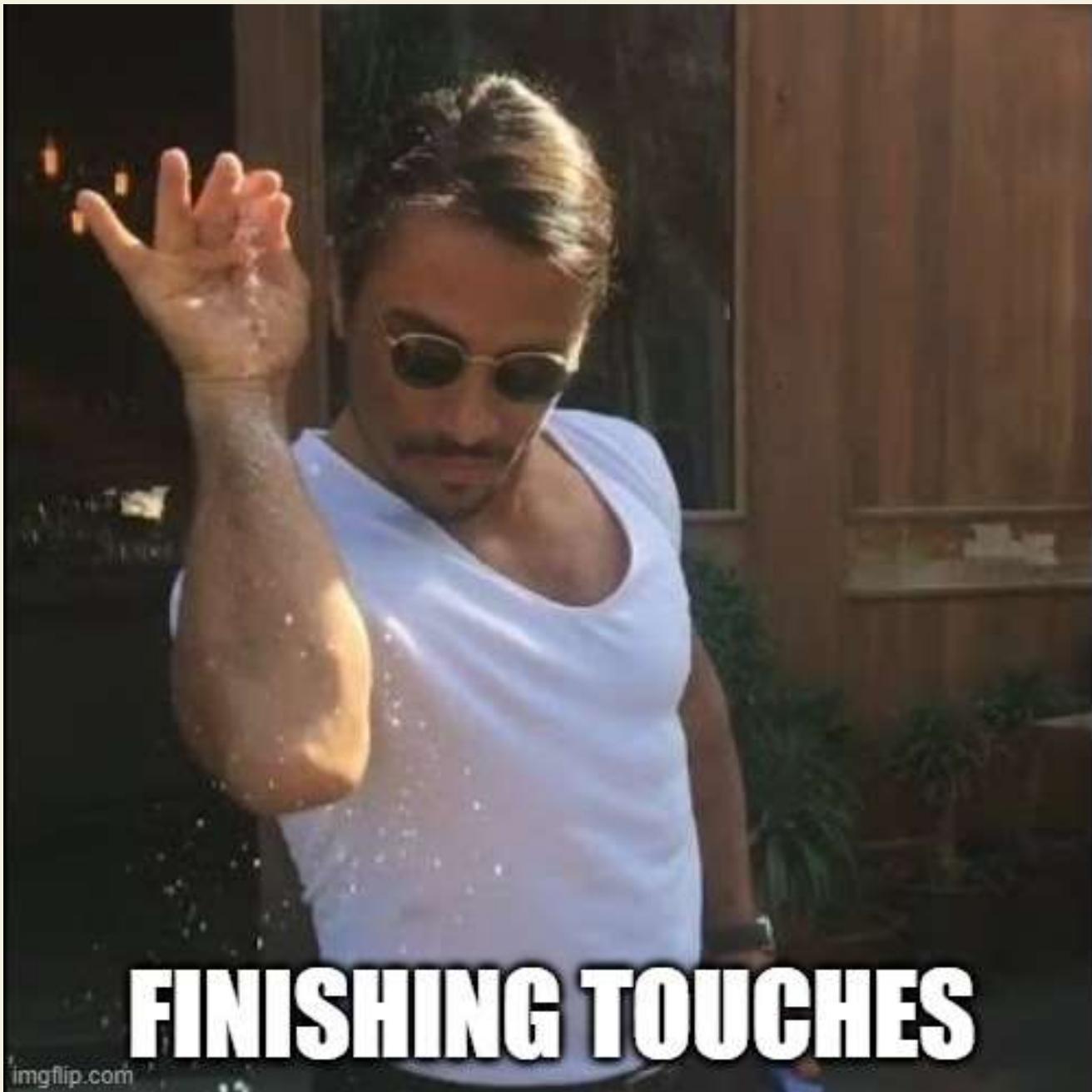
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**DEMO DAY**

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**MINIMIZE RISKS**

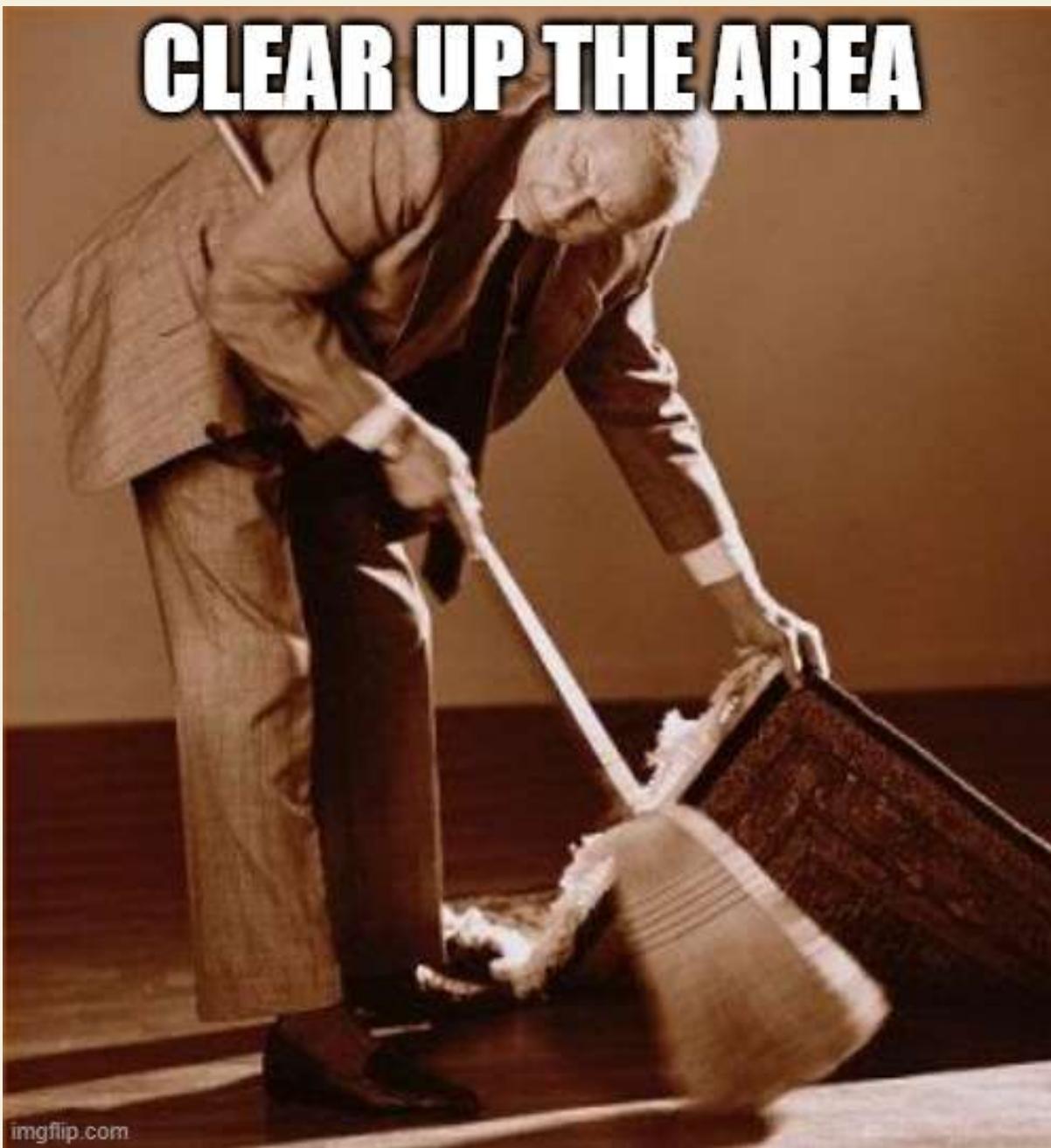


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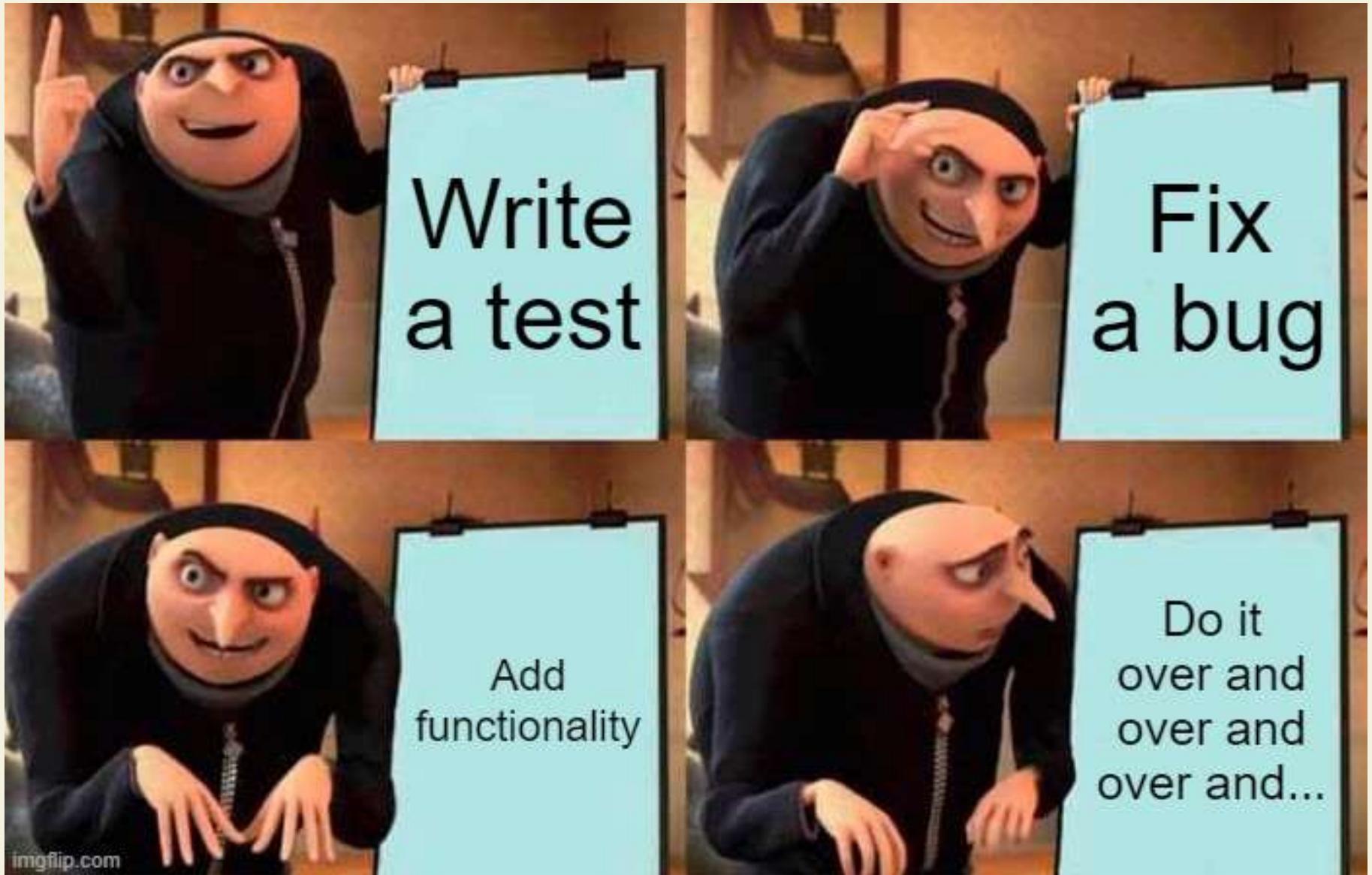
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# CLEAR UP THE AREA



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Thanks!

## ANY QUESTIONS?

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