

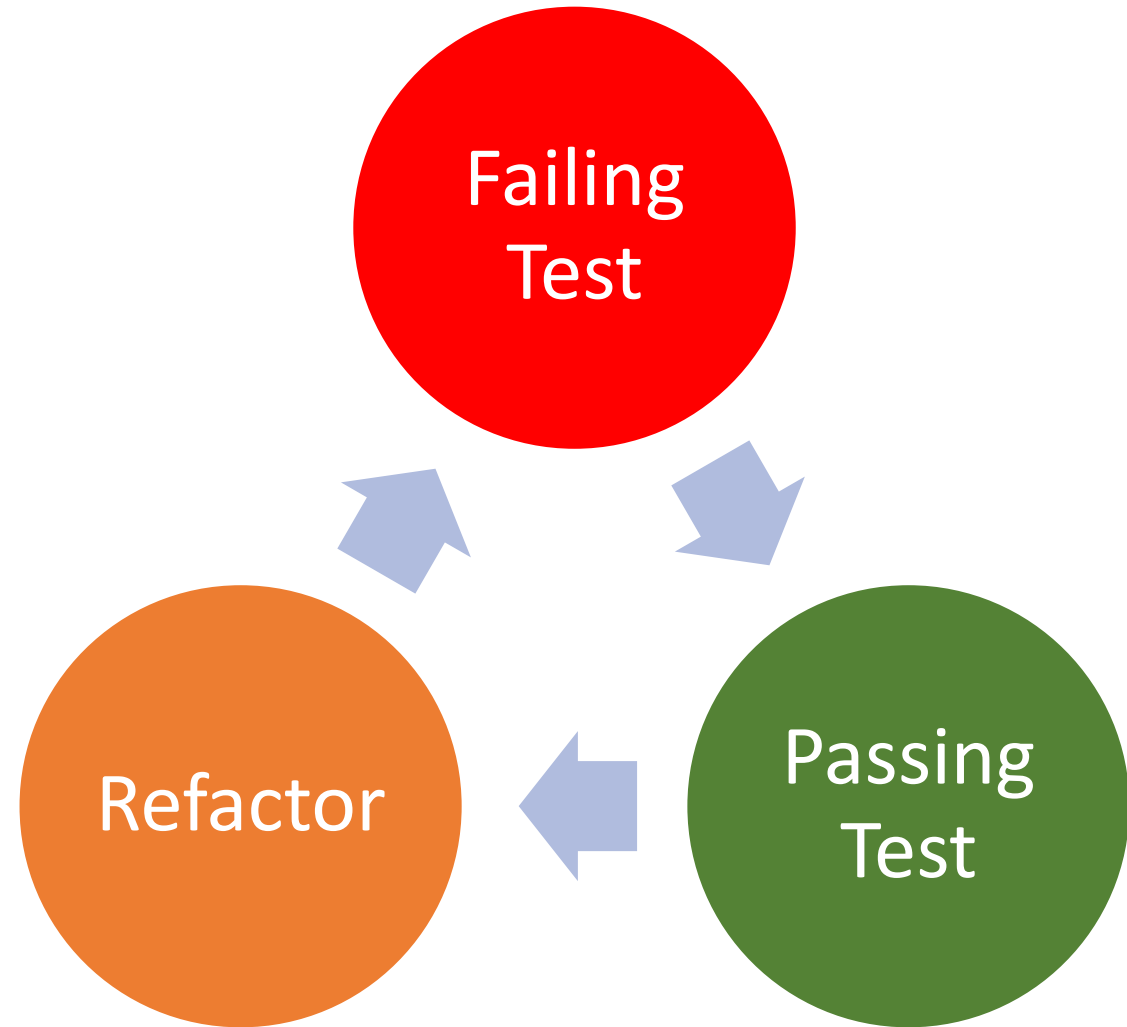


Acceptance Test Driven Development

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Classic Test Driven Development

- Inside-out Development
- Focus is on components
- Can introduce unused behaviours



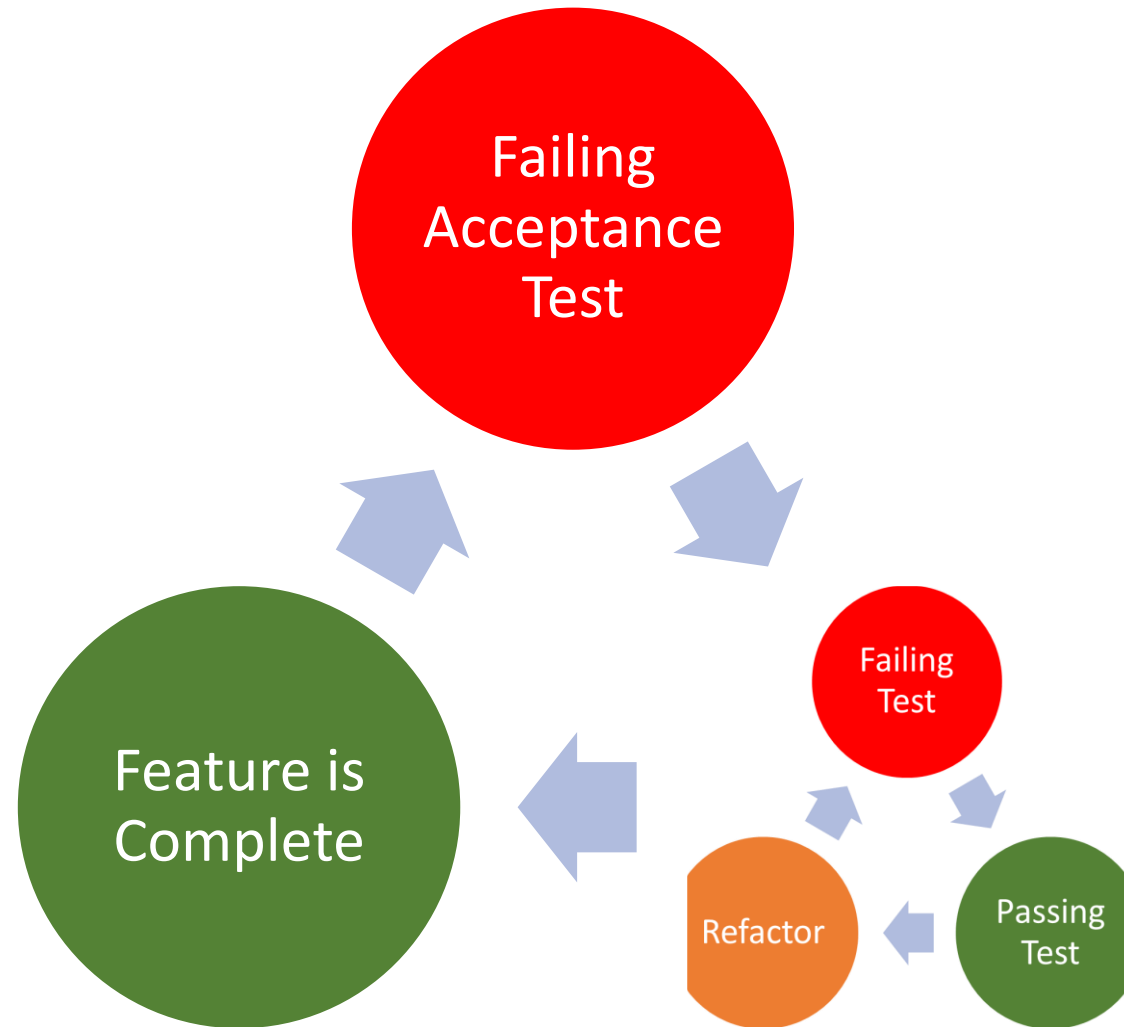
Acceptance Test Driven Development

- What is it?
- How do you do it?
- Why use it?



What?

- An extension of TDD
- Focus on the user's point of view



How?

- Three Amigos
- Given... When... Then...

```
void counting_rules_can_be_added()
{
    Given(some_counting_rule_data);
    When(it_is_used_to_create_a_rule);
    Then(the_rule_is_saved);
    And(it_appears_in_the_rule_list);

    When(getting_the_counting_rule_data);
    Then(the_data_used_to_save_the_rule_is_provided);
}
```

```
[Test]
public void counting_rules_must_have_a_valid_trigger_drug()
{
    Given(some_counting_rule_data);
    And(it_has_a_non_existing_trigger_drug);
    When() => validating(it_is_used_to_create_a_rule));
    Then() => informs("An existing trigger drug term must be provided");
}
```

```
[Test]
public void counting_rules_not_prescribed_drugs_must_exist()
{
    Given(some_counting_rule_data);
    And(it_has_a_non_existing_not_prescribed_drug);
    When() => validating(it_is_used_to_create_a_rule));
    Then() => informs("Provided not prescribed drug terms must exist");
}
```

Why?

- Better understanding of business requirements
- Documentation of that understanding
- Only code what is required



Any
Questions?



Thank You

References

- **Agile Technical Practices Distilled**
Pedro M Santos, Marco Consolaro, Alessandro Di Gioia
- **Acceptance Test Driven Development (ATDD)**
<https://www.agilealliance.org/glossary/atdd>