

# Behavior Driven Testing

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# Terminology

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Test driven development



Behavior driven development



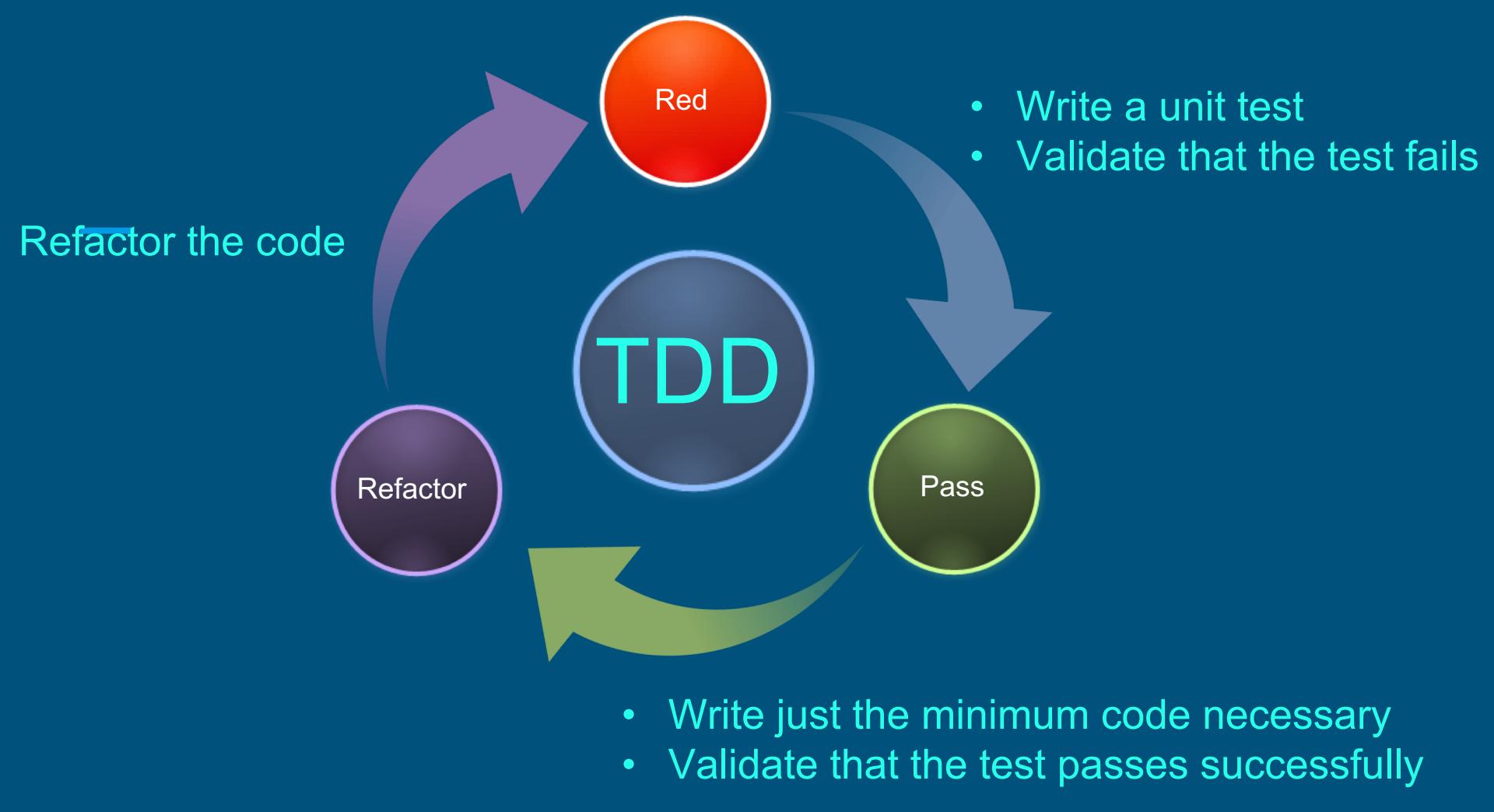
Three amigos



Feature file



Given when then



# TDD advantages

- Maintainability, Flexibility, Extensibility
- High Percentage of Test Code Coverage
- Easier Refactoring of Code
- Higher Quality

# Unresolved issues

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No direct  
communication  
with stake holders

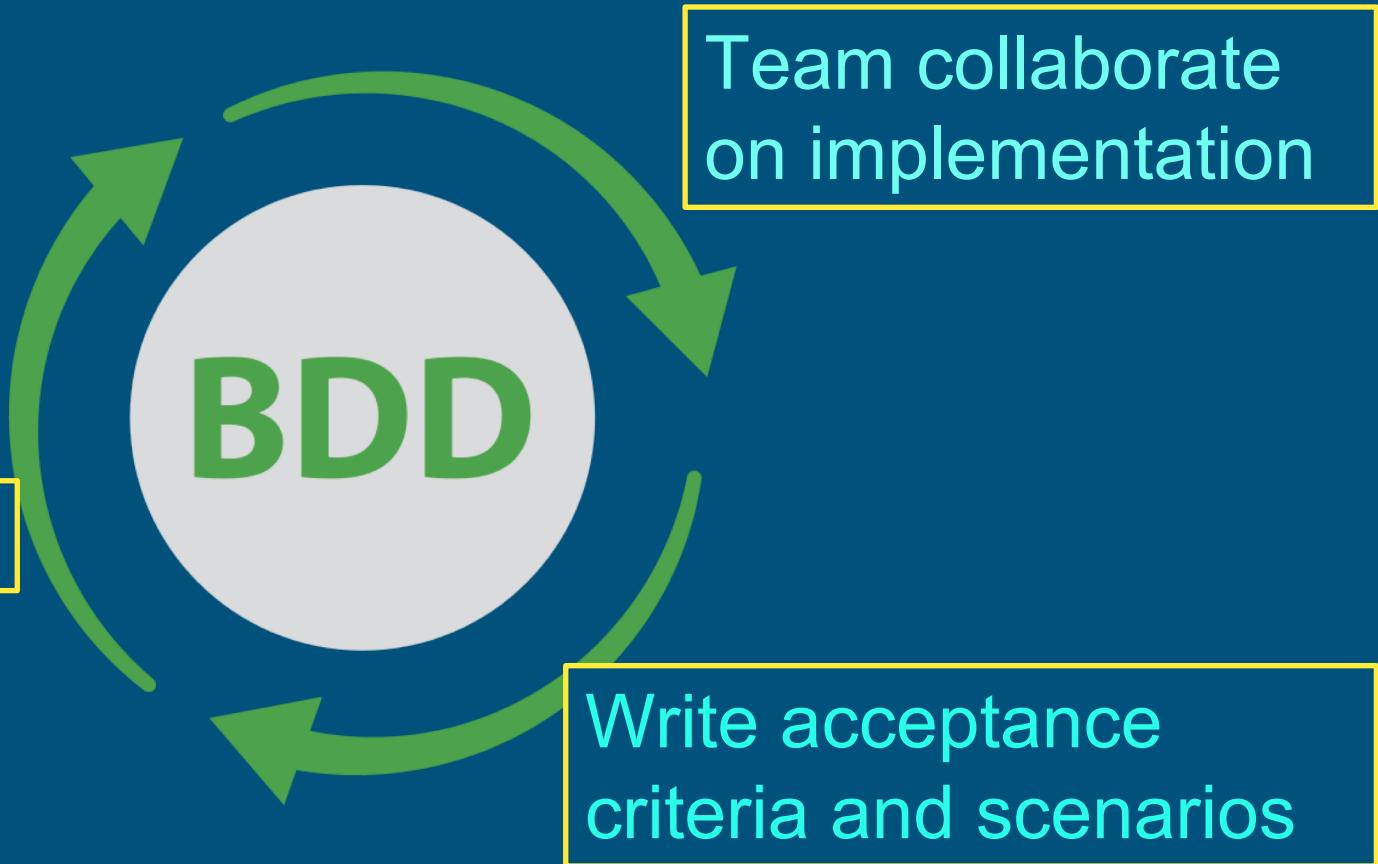


Misunderstanding  
requirements



Increased time  
cost

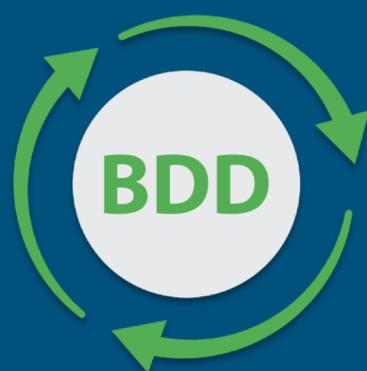




# How it works

Write  
Acceptance  
Criteria

Write BDD  
Scenarios



# Agile story

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As a user,

I should be able to use the calculator,  
so that I can do arithmetic operations.

# BDD Scenario

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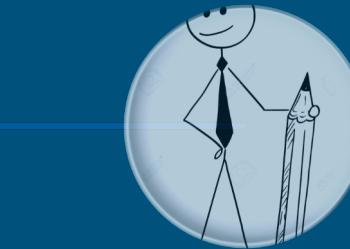
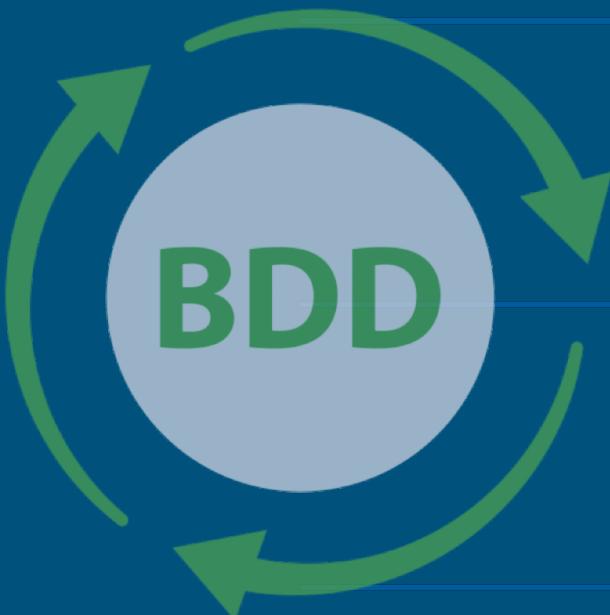
Scenario: Addition

Given *the calculator app is open*

When *I add 2 and 2*

Then *calculator should display result 4*

# Three amigos



# Feature file

**Feature:** Calculator

Agile story:

As a user,  
I should be able to use the calculator,  
so that I can do arithmetic operations.

**Scenario:** Addition

Given the calculator app is open

When I add **2** and **2**

Then calculator should display result **4**

# BDD advantages

Strong collaboration

Feature file is requirement and test scenario

Business needs tie directly to the code that is written

Documentation

# Options to choose from

Java

Cucumber  
Serenity  
Gauge  
JBehave

JavaScript

Jasmine  
Cucumber  
Gauge

Ruby

Rspec  
Cucumber  
Gauge

Python

Behave  
Robot  
Gauge

C#

Specflow  
NBehave