

Applying Test Driven Development



Thomas Claudius Huber

Software Developer

@thomasclaudiush | www.thomasclaudiushuber.com



Module Outline

What is Test Driven Development (TDD)?

Implement a requirement with TDD

- Write a test
- Implement the requirement
- Refactor the code



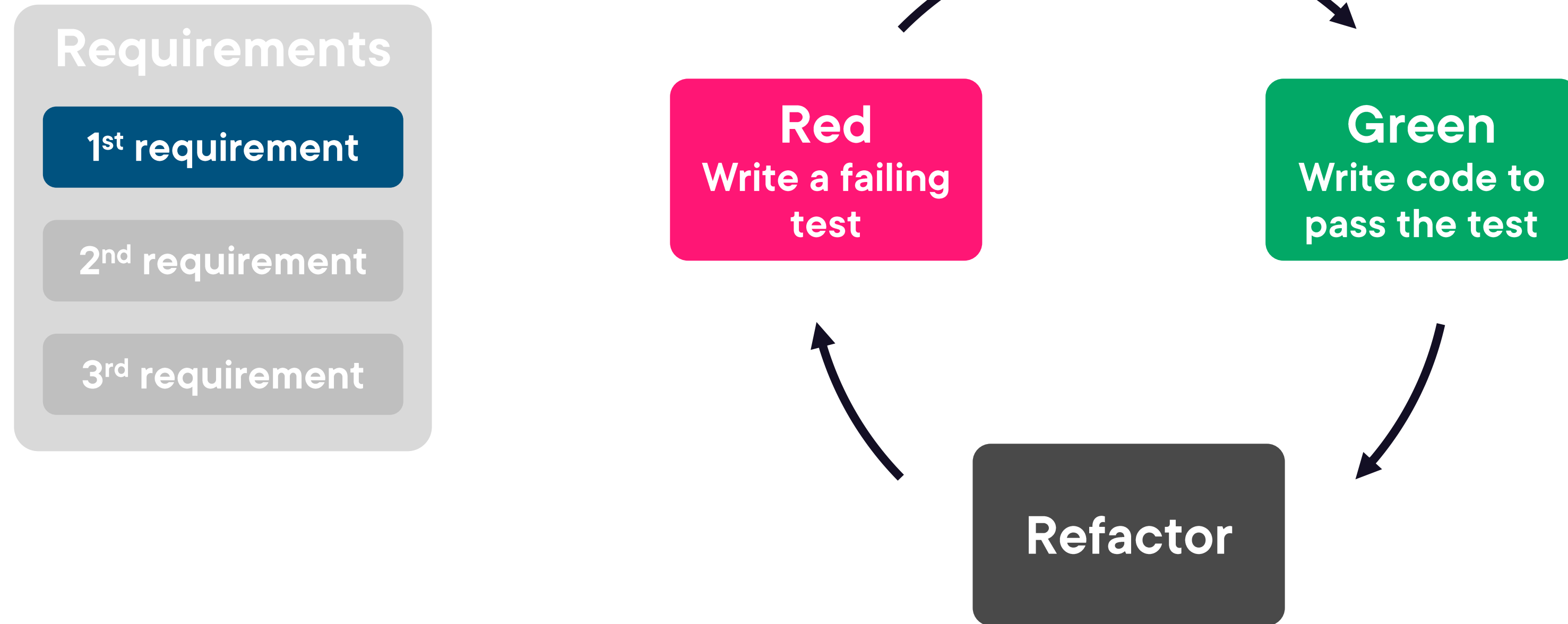
What Is Test Driven Development (TDD)?



Test Driven Development
uses unit tests to drive the
design of your code



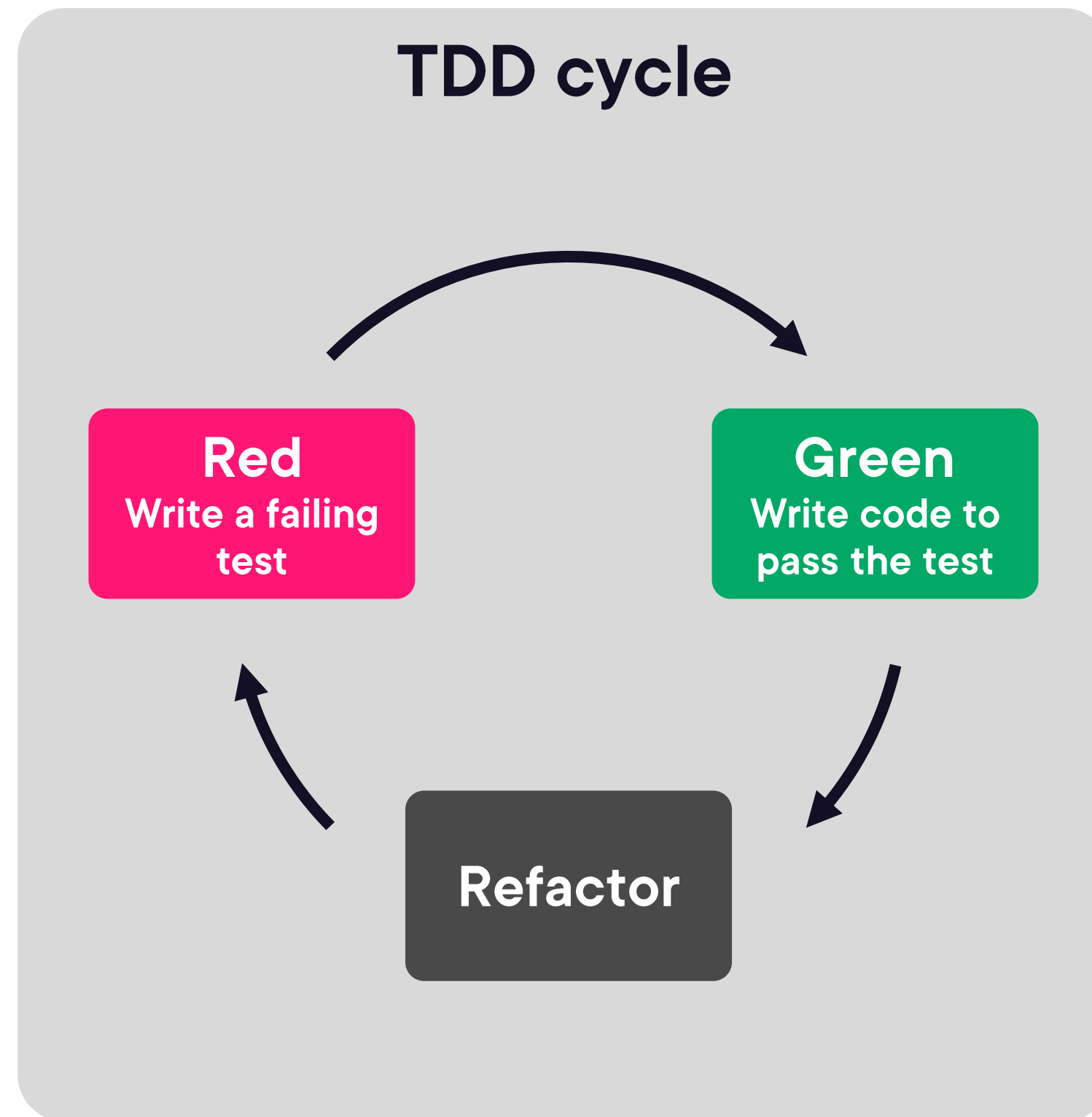
What Is Test Driven Development (TDD)?



Tests are driving your implementation



What Is Test Driven Development (TDD)?



Advantages of Test Driven Development

**Think about what
the code should do**

Get fast feedback

Create modular code

Write maintainable code



Understand the requirement



Write a unit test



Implement the requirement



Refactor the code



Summary

Test Driven Development (TDD)

- Unit tests drive the implementation
- Red, green, refactor

Implement a requirement with TDD

- Write a test
- Implement the requirement
- Refactor the code



Up Next:

Running Unit Tests Automatically

