# NOKIA

# PARO: Warsztat zwinnego programisty
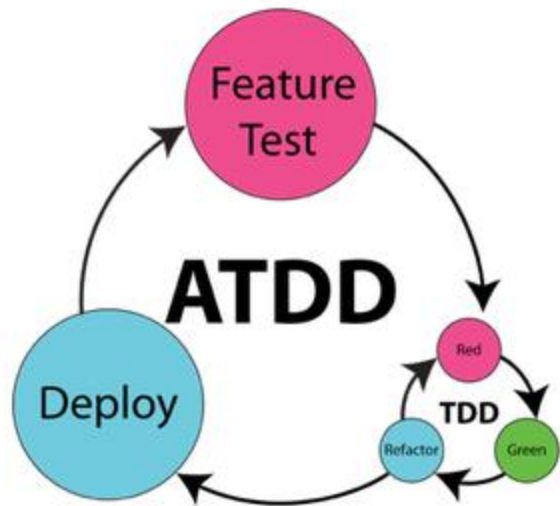
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# Agenda

- ATDD

- Code review

- Build system- how it works

- Clang-format & clang-tidy

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## ATDD – Acceptance test driven development

User scenarios are transformed to acceptance tests
Feature is ready when the test passes

As a USER, I can add books to my collection

GIVEN: User is logged in
AND User's collection is empty
AND book#1 is avaliable in database
WHEN: User selects the book#1
THEN: It is added to his collection
AND Collection view contains newly added book

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# Code review

## When do we do it?

## Why do we even do it?

- **IT IS NOT ABOUT YOU, IT IS ABOUT THE CODE**
- maintain architecture of the system and code readibility
- different point of view
- get to know with each other
- knowledge spread
- bugs are everywhere
- performance issues
- soft skill training, cope with criticism

## What do we check?

## Who checks the code?

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## Code review - what to look for

- Needle in the haystack

- Divide your commits

- How many files?

- Tests tests tests…

- Cultural differences

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## Code review - what makes it bad

- feeding me ego

- rat race

- metrics are bad (seriosuly)

- fast and furious

- design patterns hell

- lack of trust

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# The Ten Commandments of Egoless Programming

1. Understand and accept that you will make mistakes.
2. You are not your code.
3. No matter how much "karate" you know, someone else will always know more
4. Don't rewrite code without consultation.
5. Treat people who know less than you with respect, deference, and patience.
6. The only constant in the world is change.
7. The only true authority stems from knowledge, not from position.
8. Fight for what you believe, but gracefully accept defeat.
9. Don't be "the guy in the room".
10. Critique code instead of people – be kind to the coder, not to the code.

https://blog.codinghorror.com/the-ten-commandments-of-egoless-programming/

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# Clang-Tidy and Clang-Format

https://clang.llvm.org/docs/ClangFormat.html
https://clang.llvm.org/docs/ClangFormatStyleOptions.html


https://clang.llvm.org/extra/clang-tidy/
https://clang.llvm.org/extra/clang-tidy/checks/list.html