

SER516

Software Agility:

Project and Process Management

Lecture 12: Clean Coding II

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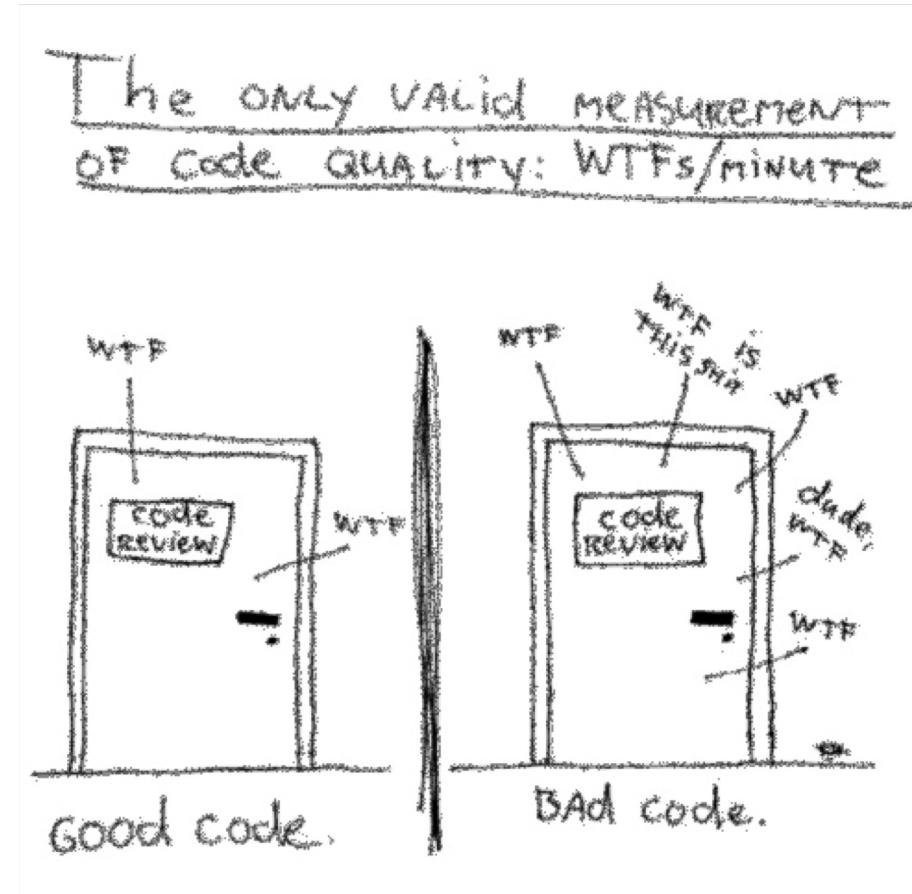
Quiz 4: Clean Code Reviews

Global Ideas

- Create code **Elegant** and **Efficient** –Bjarne Stroustrup

- Create code **Simple** and **Direct** –Grady Booch

- Create code looks like **written by someone who cares** – Michael Feathers



Clean Code Principles

1. Readability

e.g. Coding **guidelines**

2. Simplification and Specification

e.g. **KISS (Keep It Simple by K. Johnson)**

3. Decoupling

4. Avoid Code Bloat

e.g. **DRY (Do not Repeat Yourself)**

Reviews

- **Readability.**
 - **READ the Java Style Reference.**
 - Meaningful Names.
 - **Team follow common rules.** It looks like team work.
- **KISS** (Keep It Simple) for your reader.
 - Small functions that do one thing.
- **DRY** (Do not repeat yourselves).

Blackboard Quiz 4 – Format

Evaluate 5 to 1 (5 is the highest value). Use 0 for extreme cases of failure (such as the program does not run).

Runtime

	1	2	3	4	5	6	7	8	9	10
Was it easy to execute?										
Does it have all the features requested?										

Objective

	1	2	3	4	5	6	7	8	9	10
Readability: follow coding guidelines; indentations; meaningful names; etc.										
KISS (Keep it Simple)										
Decoupled (optional)										
DRY (Do not Repeat)										

Subjective

	1	2	3	4	5	6	7	8	9	10
Elegant										
Efficient										
Simple and Direct										
Written by Someone Who care										

General Opinion

	1	2	3	4	5	6	7	8	9	10
Total										

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- Each team evaluate all projects (yes, **included yours**)
- “All” team members agree on the reported evaluation.
- Add only the names of the people working/collaborating.
- It is not an evaluation of others, but the evaluation of your understanding of **Clean Code** concepts

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