

Clean Coding Principles in C#

WHY WRITING CLEAN CODE MATTERS



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Code is like humor.



Programming is the art of telling
another *human* what one wants
the computer to do.

Donald Knuth



Any fool can write code that a computer can understand. Good programmers write code that *humans* can understand.

Martin Fowler



Agenda



Course Outline

Intro

Principles

Naming

Conditionals

Functions

Classes

Comments

Staying Clean



5

Reasons to Care



1

Reading is harder than writing



2

Technical debt is depressing



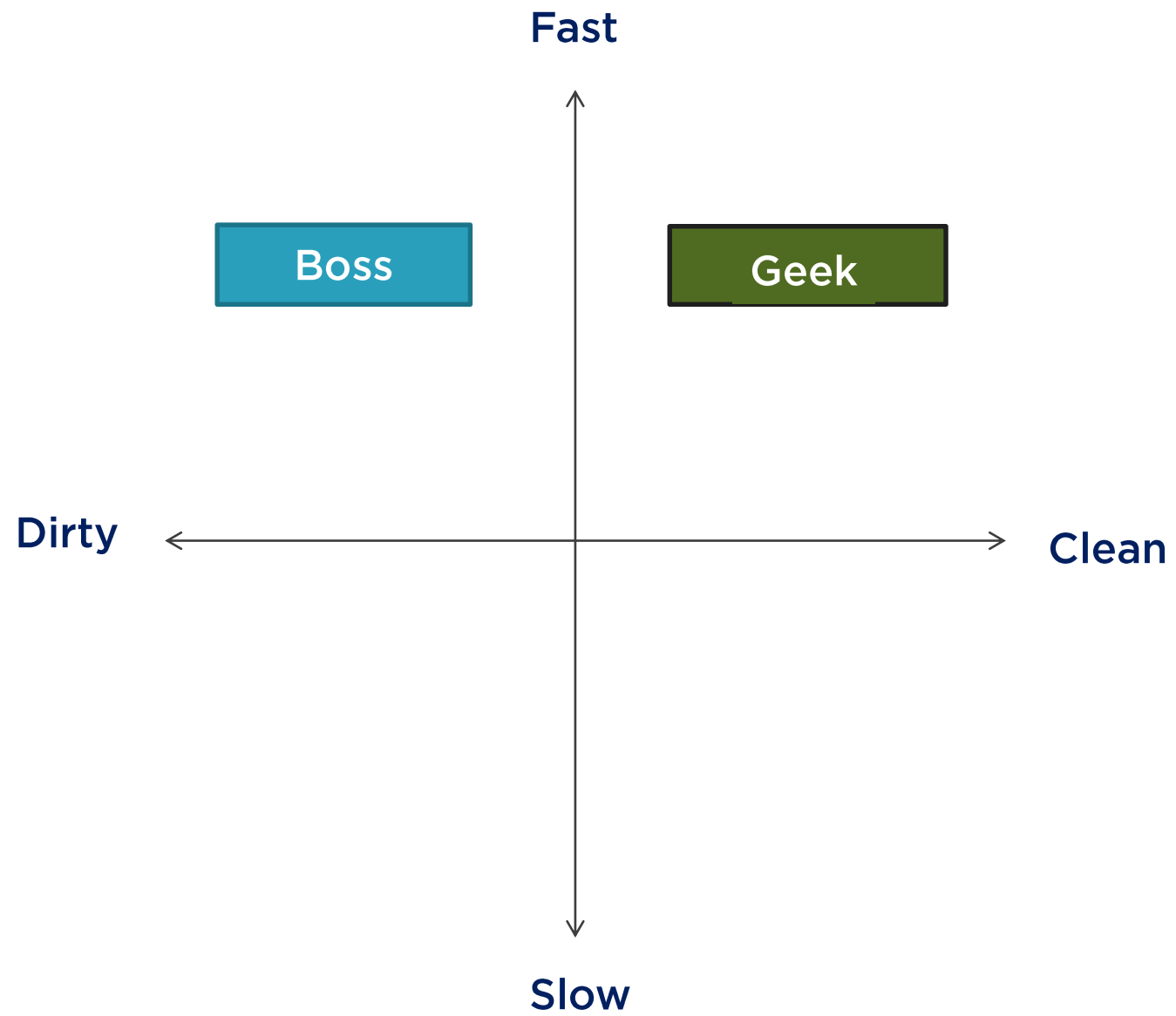
3 You're Lazy



4

Sloppy = slow





5

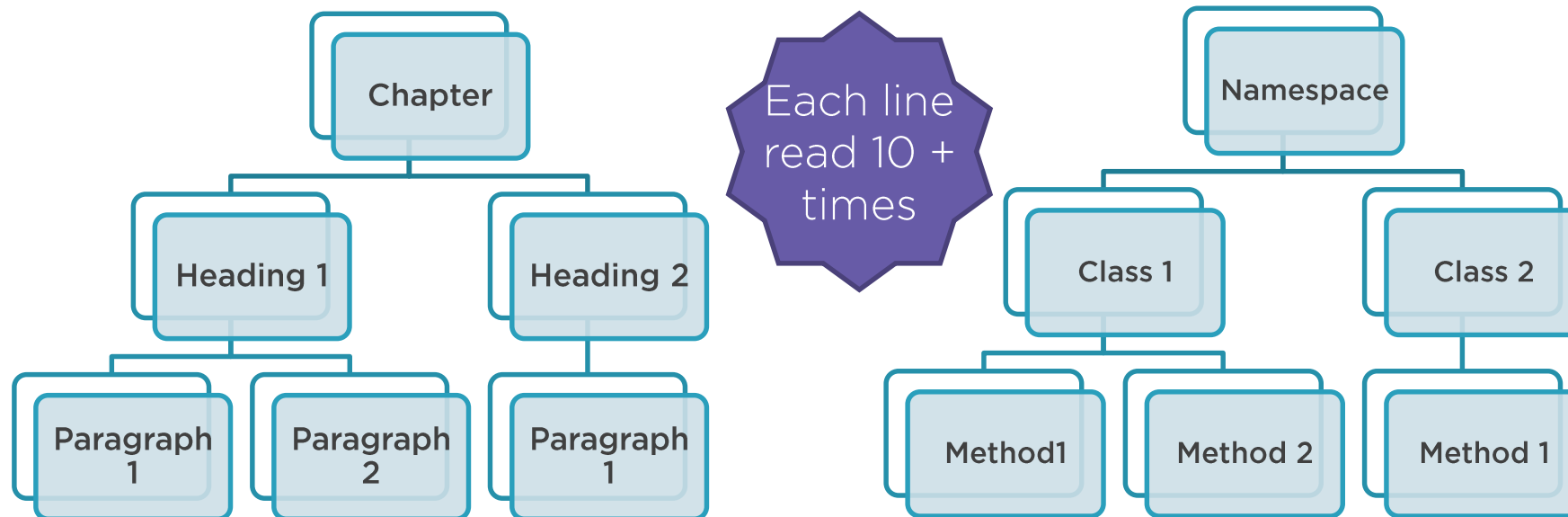
Don't be a verb



Congratulations, You're An Author!

The writer of a book, article, or other text.

- a. One who practices writing as a profession
- b. One who writes or constructs an electronic document or system
- c. An originator or creator, of a theory or plan



Conventions: Comparisons



// Dirty code here



// Clean code here



Reading Code Aloud Exposes Problems

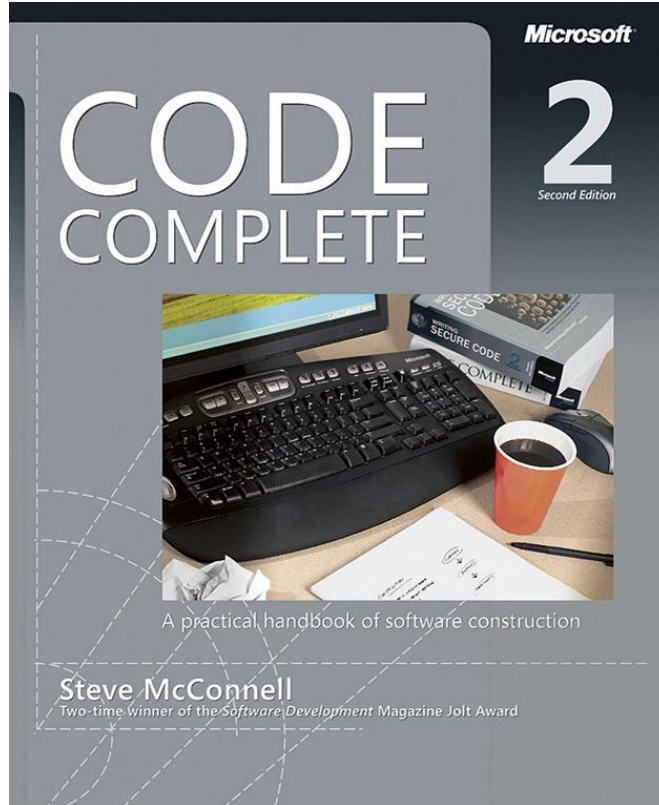


Which would you rather read?
Dirty snippet
Clean snippet

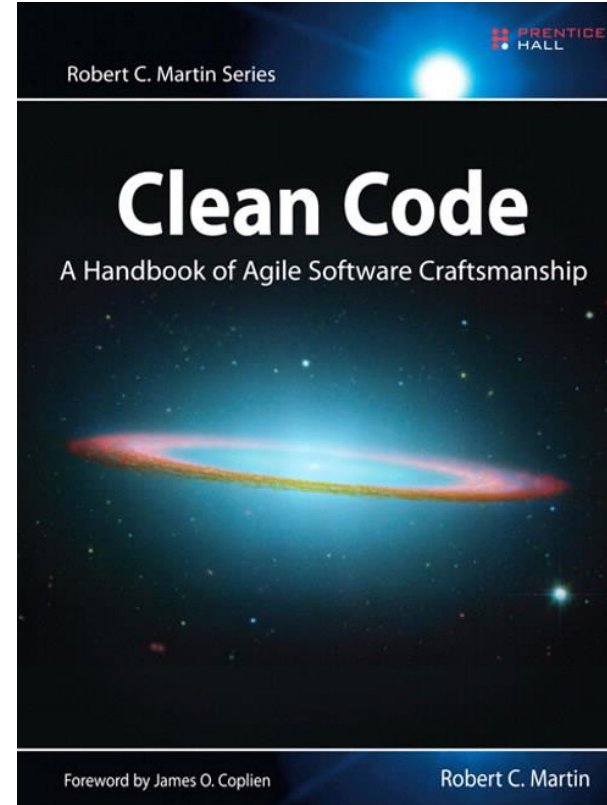


Resources

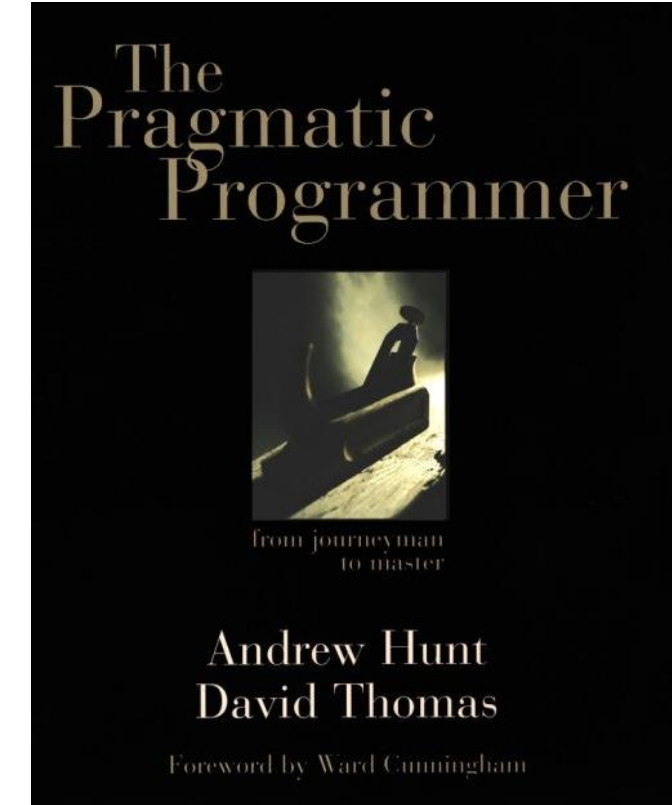
Steve McConnell
stevemcconnell.com



Robert C. Martin
blog.cleancoder.com



Andrew Hunt
David Thomas
pragprog.com



Summary



Why write clean code?

- It's easier
- It avoids technical debt
- It's faster

Developers are authors

Next up: Principles

