Clean Code: Writing Code for Humans

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pluralsight
hardcore developer training

Coding is for humans

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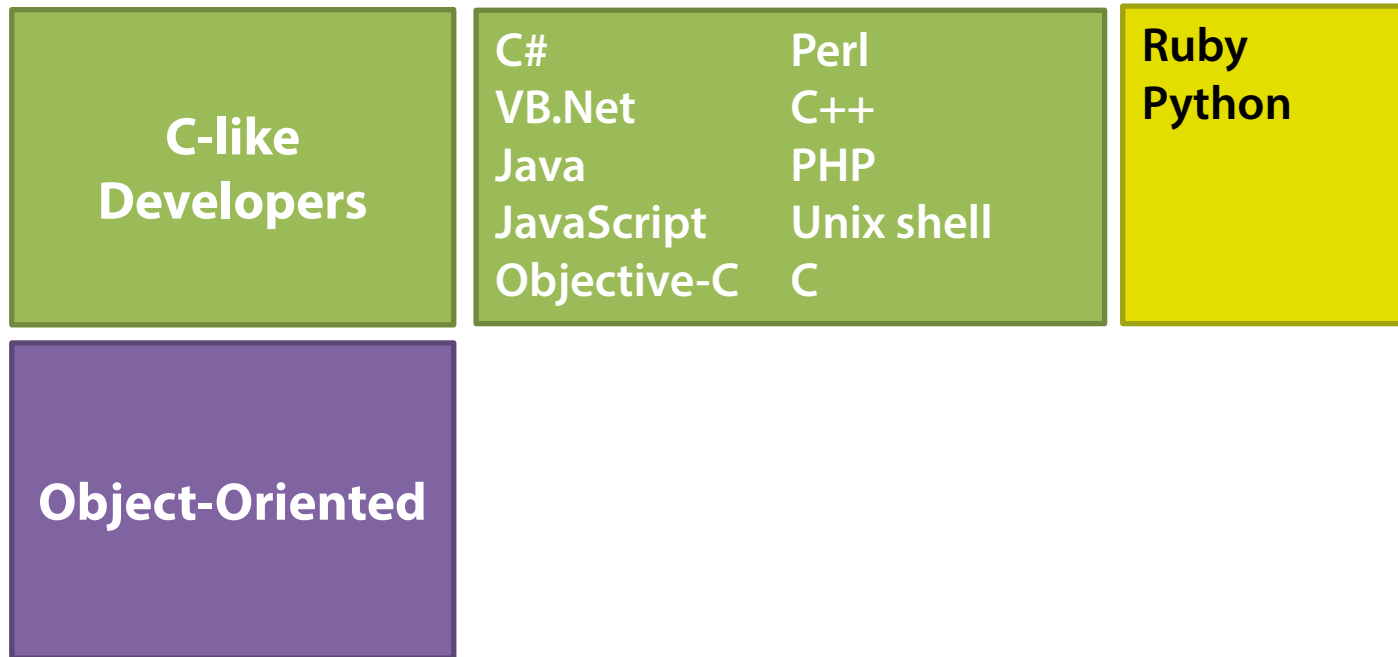
Donald Knuth

Any fool can write code that a computer can understand.

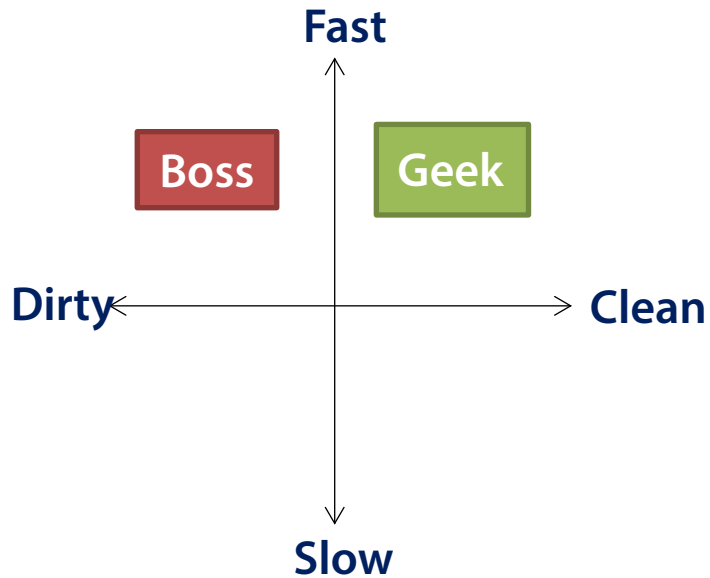Good programmers write code that *humans* can understand.

Martin Fowler

Who is this course for?

| C-like Developers | C#   Perl
VB.Net   C++
Java   PHP
JavaScript   Unix shell
Objective-C   C | Ruby
Python |

Object-Oriented

Why should I care?

Fast

Dirty ← → Clean

Slow

Boss

Geek

Reading is hard.

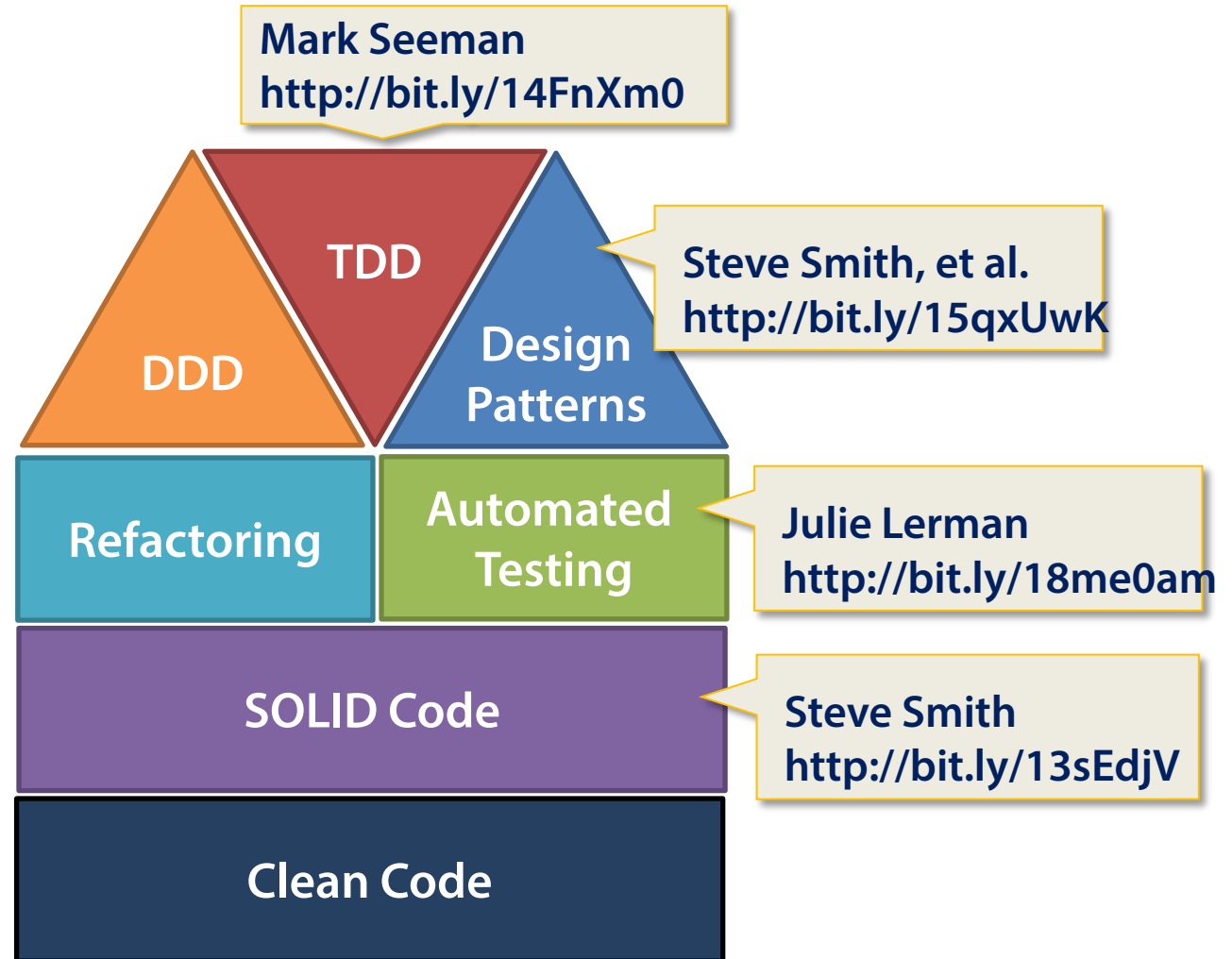Justification

Technical debt is depressing.

You're lazy

No time to be sloppy
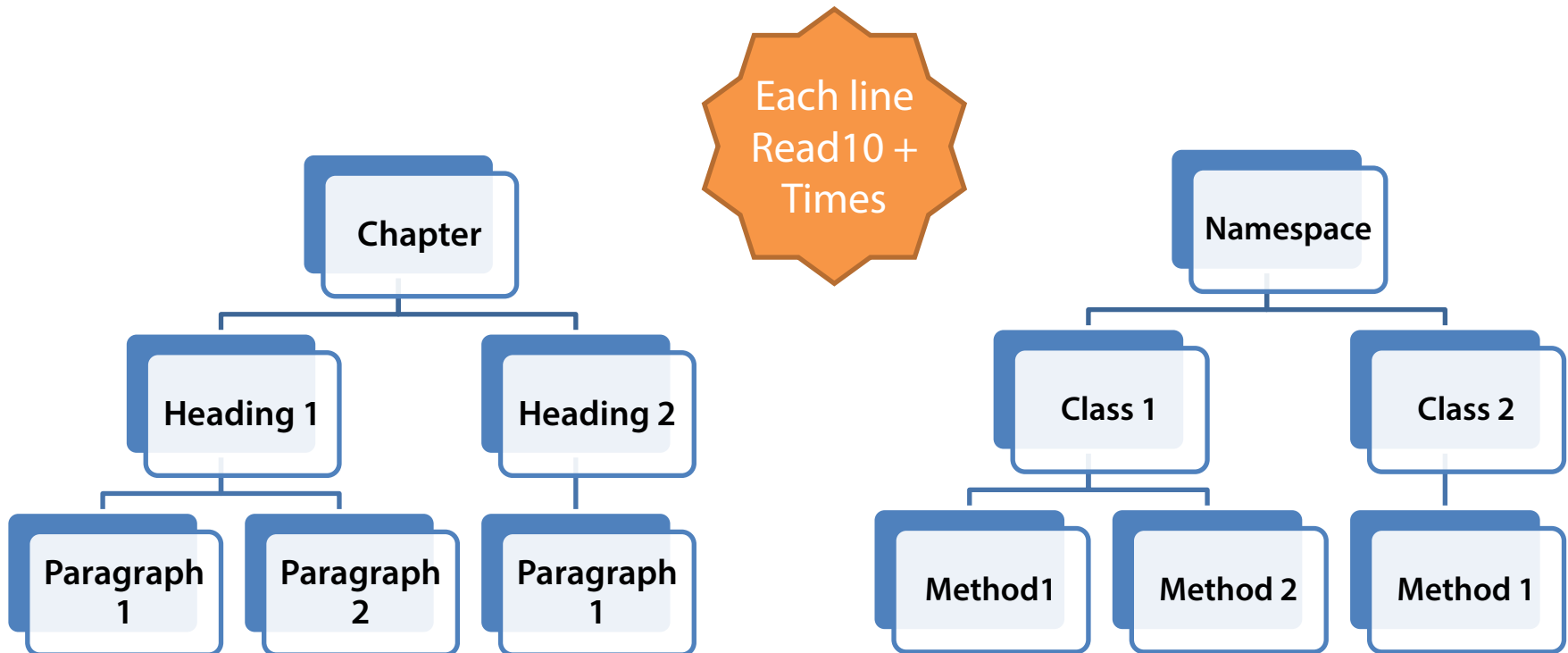
Don't be a verb

It's a foundation

Clean Code is the Foundation

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

Each line Read10 + Times

```
                    Chapter
         ┌─────────────┴─────────────┐
     Heading 1                   Heading 2
   ┌─────┴─────┐                     │
Paragraph   Paragraph           Paragraph
   1            2                   1
```

```
                   Namespace
         ┌─────────────┴─────────────┐
      Class 1                      Class 2
   ┌─────┴─────┐                     │
Method1     Method 2             Method 1
```

Conventions

1) Comparisons

Dirty
//dirty code snippet

Clean
//clean code snippet
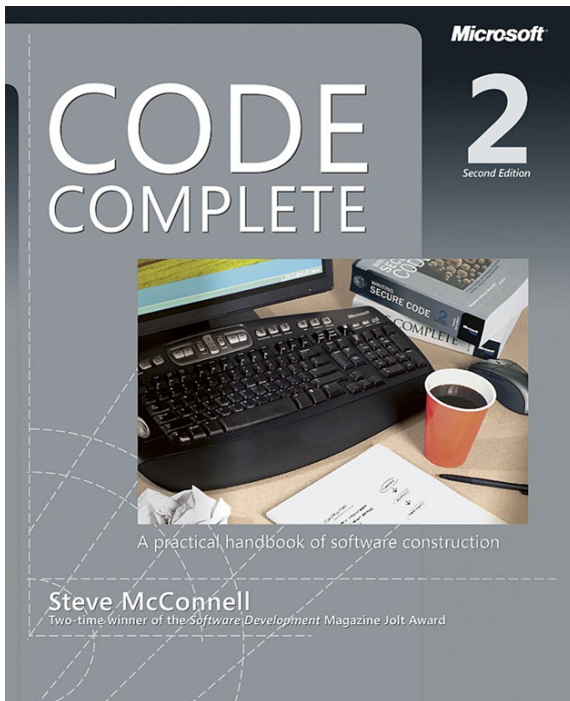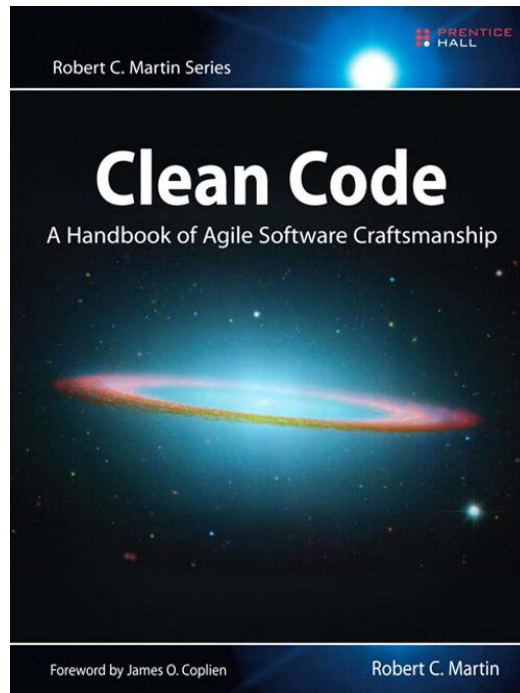
2) Verbalize code

 Which would you rather read?
Dirty snippet
Clean snippet

Reading code aloud exposes readability problems

Resources

Steve McConnell
stevemcconnell.com

Robert C. Martin
objectmentor.com

Andrew Hunt, David Thomas
pragprog.com