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Book “Clean Code” summary

Chap2.

Name of variable, function, class should answer all the big questions. Should tell why it exists, what it does, and how it is used.

Int d; // elapsed time in days 🡪 bad

Int elapsedTimeInDays; 🡪 good

Avoid Disinformation.

Do not use name “accountList” if it is not List, but use “accountGroup”.

Spelling similar is also information. Using inconsistent spelling is disinformation.

Make meaningful distinctions, use pronounceable names. Don’t have to abbreviate. Use searchable names. Avoid encodings. Use Hungarian Notation. Class name should not be a verb. Methods should have verb name. Say what you mean exactly. Pick one word per concept. Avoid using the same word for two purposes. Use problem domain names.

Chap3.

Functions should be small. (should be seen in one monitor)

Functions should do ONLY ONE THING.

One level of Abstraction per function.

Top to Bottom: The Stepdown Rule.

Long-descriptive name is okay to use.

The ideal number of arguments is zero, and less is better. 🡪 need to know how to reduce arguments if needed.

Flag arguments are ugly. Instead, divide the function into two functions.

Functions should have no side effects, which means there are no hidden things to do.

Error handling is important 🡪 prefer exception, try&catch.

Functions should do one thing, and error handling is one thing.

**Duplication is evil.**

Make one output. (Avoid multiple return, break or continue statement)