Clean Code 1

A Handbook of Agile Software Craftsmanship

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CH2 Meaningful Names

Names should

- tell you why it exists, what it does, and how it is used.
- allow readers to understand difference without comment nor deduction.
- include semantic words.
- include words that are technical or related to the problem domain.
- have context from its scope.
- consists of words.

CH2 Meaningful Names

Names should **not**

- include obscure clues that may lead to false conclusions.
- use inconsistent synonyms for a single concept.
- include syntactic encodings.
- consists of over-abbreviated letters.

CH2 Meaningful Names

- Prefer clarity to smartness and entertainment.
- Class names are nouns or noun phrases.
- Method names are verbs or verb phrases.

CH3 Functions

Functions should

- be as small as possible.

- have the indent level of one or two.

- do only one thing.

- include steps within one level of abstraction.

- have two arguments at maximum, taking advantage of argument objects/lists.

CH3 Functions

Functions should **not**

- expose switch statements, which do multiple things inherently, to the high level.
- pass Boolean flag argument as it forces more than one behavior.
- transform input argument instead of using return value.
- have side effects that are not implied by names.
- perform command and query at the same time.
- perform action and error handling at the same time.
- have multiple entries or exits.