

Clean Code

Chpt 2 – Meaningful Names

CS342 – Fall 2017

Naming

- Coding uses a HUGE Amount of Names
 - Variable Names
 - Parameter Names
 - Function/Method Names
 - Class Names
 - File Names
 - Directory Names
- Naming things PROPERLY is a big part of Successful Programming

Naming Design Principles: Clarity

- Clarity
- Consistency

- Decrease Learning Curve
- Minimize Errors
- Minimize Memorization

Naming Design Principle: Clarity

- Be Descriptive – Use Intention Revealing Names
- Avoid Disinformation
- Make Meaningful Distinctions
- Pronounceable Names
- Searchable Names
- Avoid Encodings
- Avoid Puns

Naming Design Principle: Consistency

- Use a Single Term for an Idea/Concept
- Use Prefixes Consistent with Content
- Use Names Consistent with Programming Culture
- Use Names Consistent with Domain Culture
- Class Names → Nouns
- Method Names → Verbs