Clean Code! The Fundamentals why Clean Code is essential.

1) (ode is for humans

2) Quality

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3) (on poolds

4) Gar't be delayed

Boy Scout Kule - Leave your cade botter than you found it.

Principle of beast Surprise

Every Component Should behave in a way

that most users expect if to behave.

Consumers should trust their intuition

- Obvious behaviors Should be implemented

Coupling Charsing and clement requires charsing

(ohesian - measures degree to which elements work together to achieve a goal.

-High Cohesian is valuable / desired

- Focused modules

Idiomatic Code - Having Conventions & Standords

- Community and Alignment

- Reduced Friction

- Consistency

Clear Code! Naming The Impact of Naming - Names are everywhere - Readability + Clarity depends on it. - Intention revealing names - If you cannot pronounce it, you cannot discuss it Boolean - Express as question (Is, Has) - Avoid double negative, (Iswest Employee) Methods - Stick to one Convention (i.e. one of Get/Fatch/Retreat - Vec verbs - Use clear names Classes

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- Use Wound

- me specific

- Avoid generic Suffixes

Writing Clean Methods

- Remove neshing

- Return early -

- Use grand clauses

- Ardalis. Event is an example

- Grand. Against. Null (request) - Perception the -
- Avoid functions of and or on in name.

- Sinsle Responsibility Principle

- Consider splitting methods of flag e-surerism the.

- Use order to improve readability

- Ideal # of parameters is 0-3

- Reduceparemeter # w/ SRP + new object

Handling from the exceptions to control flowr - Exceptions can be recoverable or unrecoverable Exceptions can be ignorable (should suil los)

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Dealin) with NULLS

- Apply the NULLS

- Apply the NULL Object Pattern to represent No Objects

- Almost vetern an empty collection instead

of Veturin, null

(len Tests
- Consider fluint assertion package
- Descriptive ditles and variobles
- Use Armange, Act, Assert structure
avoid moens
- Use real classes if not fragile, unstable or slow
- Use Builder Classes to Create Objects in Acris
- Use realistic test data and John Doe" !"This III"

Tooling

"Use a Code Complexity Tool

"Cyclomatic Complexity

"Maintainablety Index

"Cognitive Complexity

"Use retactory tools

"Resharper

"Code Yush

"No Synator

"Tex Brains

"Var Editor Confiss to enforce standards

"Use a spell cheever

"Enforce Code Quality

"Sonarquide

"Codacy