

Clean Code

is a developer's Mindset







Pass475wd
Pass475ypro



The most efficient and effective method of conveying information to and within a development team is face-to-face conversation.

Working software is the primary measure

Not only process,
but also technical quality.

Agile processes promote sustainable development. The sponsors, developers, and users should be able to maintain a constant pace indefinitely.

Continuous attention to technical excellence and good design enhances agility.

Simplicity--the art of maximizing the amount of work not done--is essential.

The best architectures, requirements, and designs emerge from self-organizing teams.

At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behavior accordingly.

Bad Code, Mess Code

- Messy code can **slow** things down.
- Bad code can **bring companies down**.
- Any programmer with a few year experiences has been **impeded by bad code**.
- Writing bad code can happen for a variety of reasons, but let's **not fool ourselves it will be clean up later**.

Later == never

The Grand Redesign in the Sky



Tiger Team



Maintenance Team

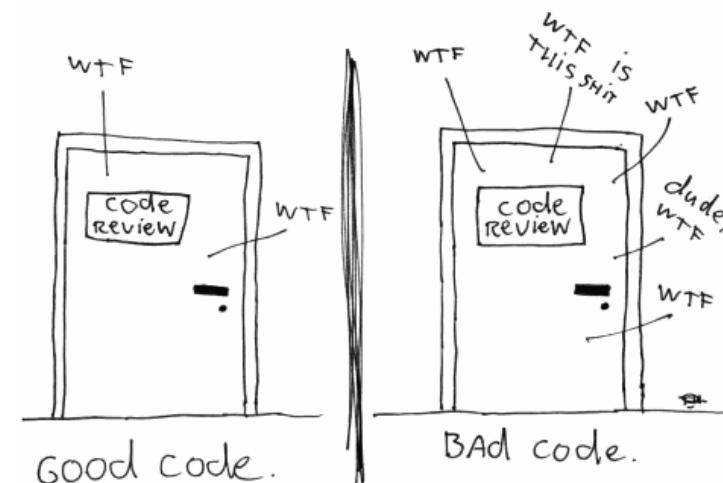
Attitude

- How does good code evolve into bad?
 - ... requirement changed?
 - ... schedule too tight?
 - ... stupid managers / product owner?
 - ... irate customers?
 - ... useless marketing types?
- We need to **stop blaming** everyone and everything but ourself. **Be professional.**
- Programmer should avoid bending to the will of managers who don't understand the risks of making code messes.

The Primal Conundrum

- All developers feel the pressure to meet the deadlines. But, real professionals know this is wrong.
- The only way to make the deadline and continue to go fast is to **keep the code as clean as possible at all times.**

The ONLY VALID measurement
OF code QUALITY: WTFs/minute



The Art of Clean Code

- Writing clean code is a lot like painting a picture.
- Most of us appear to know when a picture is painted well or bad. But being able to recognize good art from bad does not mean we know how to paint.
- Similar to being able to recognize clean code vs. messy code does not mean knowing how to write clean code.
- Writing clean code requires the use of techniques applies through an acquired code-sense of “cleanliness.”
- A programmer who writes clean code is like an artist who creates clean code from blank screen canvas.

The Boy Scout Rule

Code
needs
to be
kept clean
overtime.

Over time,
apply
the boy scout
rule of
leaving things
better
than
you found it.