

# Clean Code

is a developer's Mindset









# 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

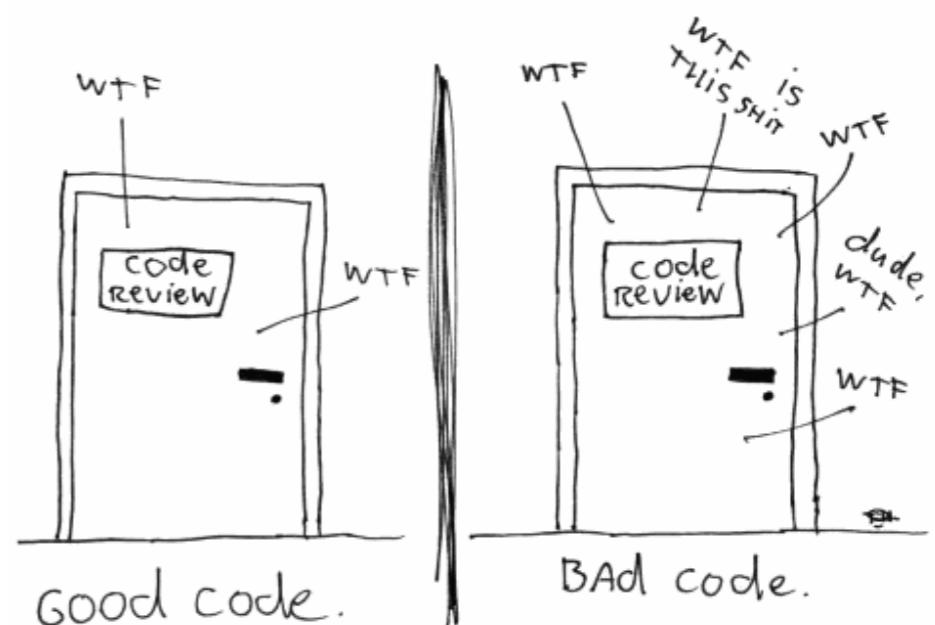
# Attitude

- 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.