

CODE SMELL VOCABULARY AND SOLID PRINCIPLES

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CONTENT

- At the beginning everything is noise
- Why domain specific vocabulary matters
- Code smells & their violations of the SOLID principle
- Take Aways

AT THE BEGINNING
EVERYTHING IS NOISE



AT THE BEGINNING EVERYTHING IS NOISE

DEFINING THE WAY WE
WRITE CODE IS DIFFICULT

REQUIRES
KNOWLEDGE

REQUIRES
EXPERIENCE

MAY EVEN BE A
PERSONAL PREFERENCE

AT THE BEGINNING EVERYTHING IS NOISE

WITH SOME YEARS OF EXPERIENCE I CAME ACROSS CLEAN CODE FOR
SURE

... AND ALSO GOT MY HANDS DIRTY WITH DESIGN PATTERNS

BUT STILL ...

AT THE BEGINNING EVERYTHING IS NOISE

WHEN I LOOKED AT CODE I STILL FELT I LACKED A CLEAR APPROACH ON
HOW TO REFACTOR THINGS.

THE CODE WAS NOT OBVIOUS BUT NEITHER WAS THE SOLUTION ON HOW
TO MAKE IT OBVIOUS.

AT THE BEGINNING EVERYTHING IS NOISE

CORE OF THIS PROBLEM?

THE INABILITY TO RECOGNIZE AND DESCRIBE WHAT WAS WRONG AND
HOW TO FIX IT

WHY CODE SMELL

VOCABULARY

MATTERS

WHY CODE SMELL VOCABULARY MATTERS

PRECISION &
CLARITY

PRECISION &
CLARITY

EFFECTIVE &
EFFICIENT

DEMONSTRATES
KNOWHOW

FIND RELATED
RESOURCES

SMELLS

AND THEIR VIOLATIONS OF

THE

SOLID PRINCIPLES



SMELLS VS SOLID PRINCIPLES

[illegible]

TAKE AWAYS



TAKE AWAYS

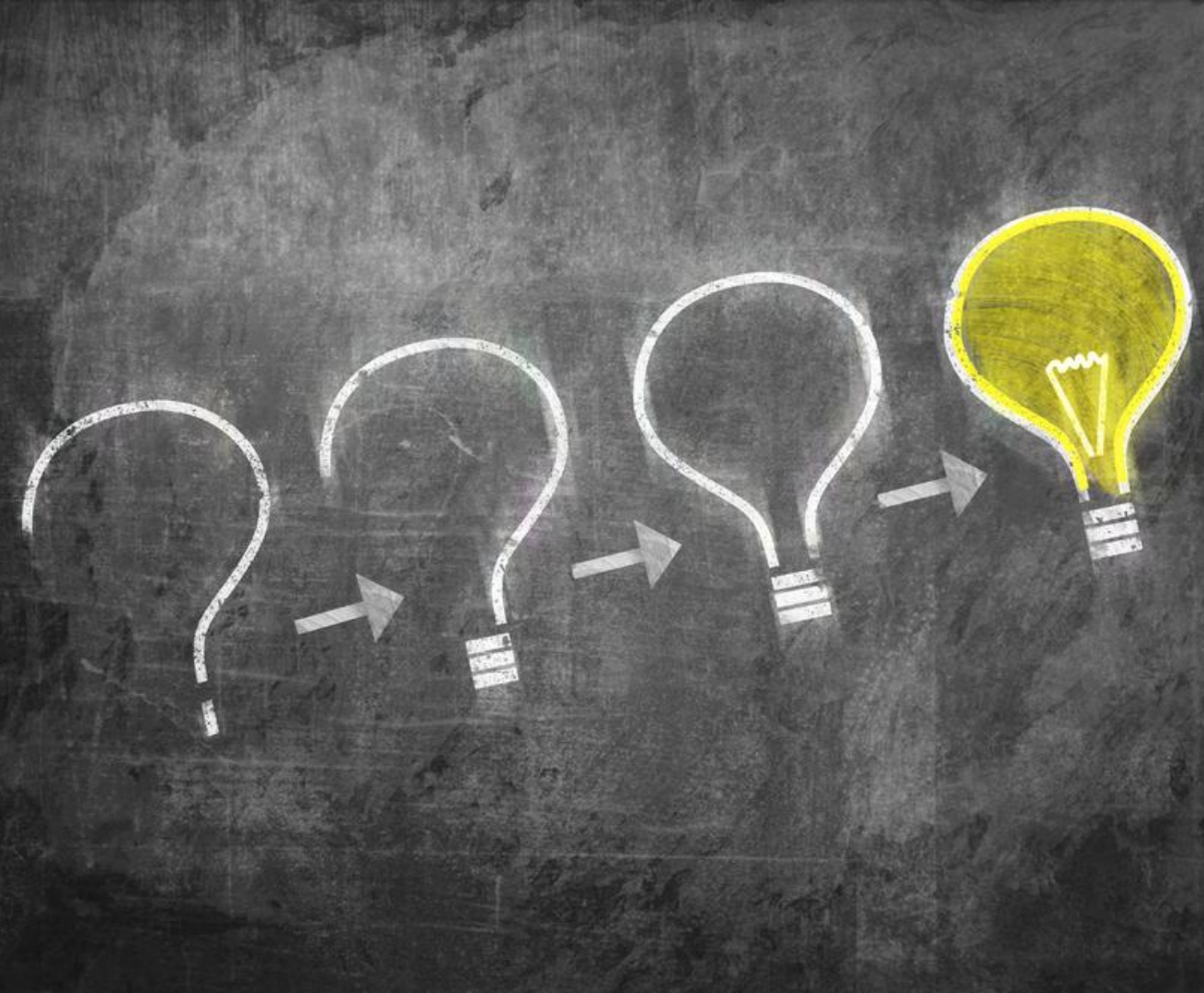
KNOWING WHERE
THE SMELL COMES
FROM

LOOKING FOR
THE MOST
COMMON
SUSPECTS HELPS

SINGLE RESPONSIBILITY AND
OPEN/CLOSED PRINCIPLE
ARE MOST VULNERABLE TO BE
VIOLATED

VIOLATIONS OF THE LISKOV
SUBSTITUTION AND DEPENDENCY
INVERSION ARE RARE

=> UP FOR DISCUSSION ?



QUESTIONS