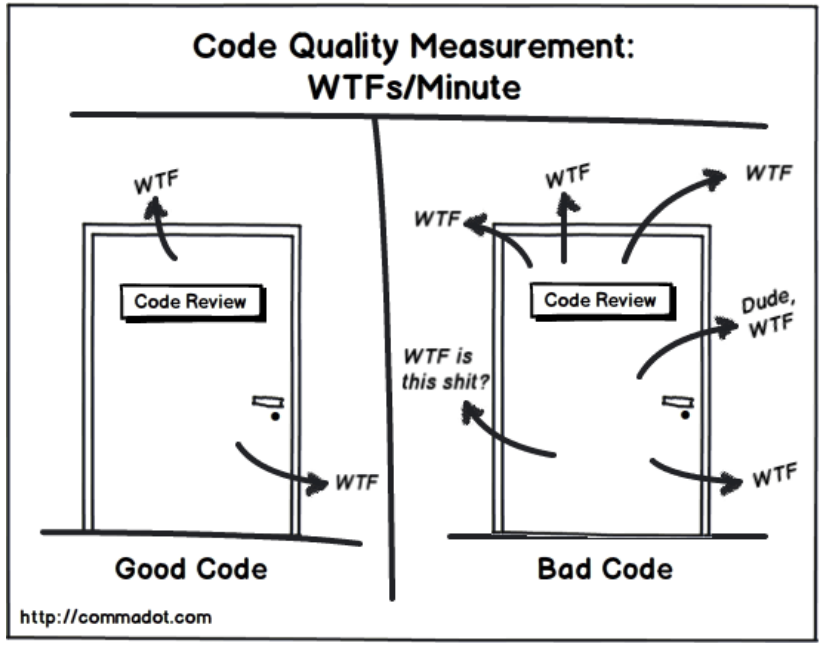
Identifying code smells

Agenda

- What are code smells?
- Types of code smells
- Identifiying code smells
- Conclusion

What are code smells?

- Characteristic in code that possibly indicates a deeper problem
- Usually not bugs
- Can make the code harder to maintain



Types of code smells

- Bloaters
- Object-Orientation Abusers
- Change Preventers
- Dispensables
- Couplers

Identifiying code smells

Bloater

Long parameter list

Identifiying code smells

Bloater

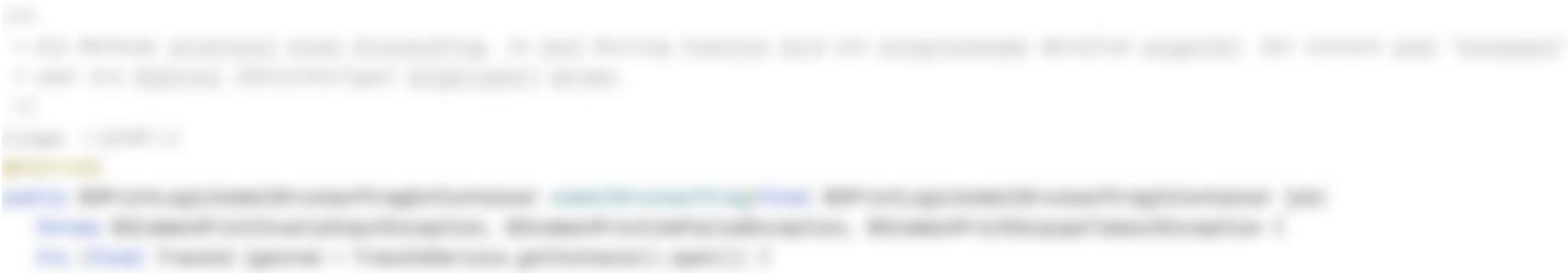
- Long Method
- Large Class

Identifiying code smells

Couplers

Feature envy

Identifiying code smells



Dispensables

Comment

Identifiying code smells

Change Preventers

Shotgun Surgery

Identifiying code smells

Object-Orientation Abuser

Switch Statement

Identifiying code smells

Dispensables

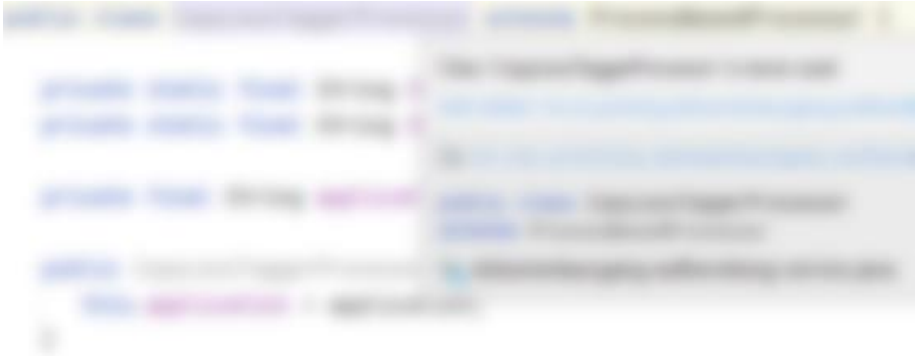
Lazy Class

Identifiying code smells

Dispensables

Data Class

Identifiying code smells



Dispensables

Speculative Generality

Dead Code

Identifiying code smells

Additional mention

Uncommunicative Name

Conclusion

- Knowing code smells helps finding them
- Not all code smells are easy to spot
- Not all signs of code smells are necessarily signs of bad code
- Refactor code smells when you identify them

Thank you for your attention!

Any questions?

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Sources

- https://pragmaticways.com/31-code-smells-you-must-know/
- https://refactoring.guru/refactoring/smells
- Alcor Academy Lession Code Smells