#### How we engineer – a personal reflection

29. April 2021 Urs Birrer



#### Content

- Refactoring roles
- Refactoring process
- Adaption in my team
- Observation
- Conclusion

#### **Refactoring roles**

# Constantly! Test green!



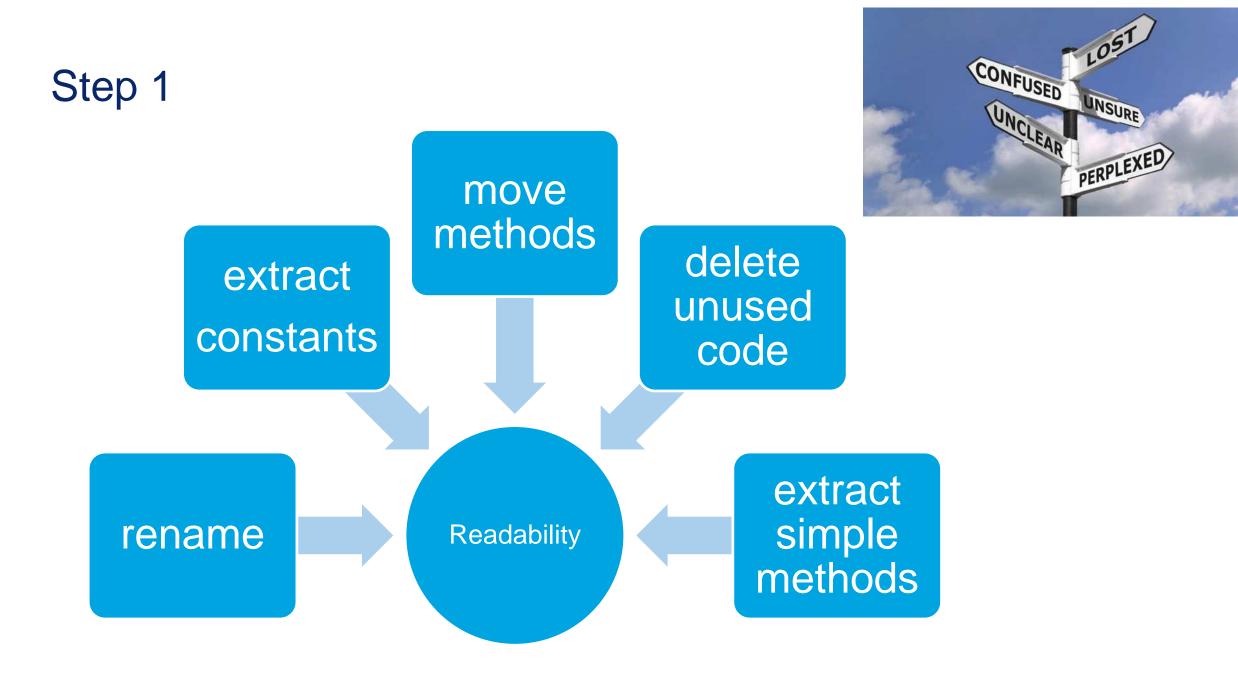
### code smells

if(car) {
 car.drive();
} else if(bike) {
 bike.drive();
} else {
 boat.swim();
}

### calisthenic roles are broken



## code duplication





#### Concept of parallel change





long methods

reduce else's

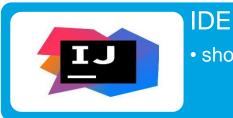
#### How is this adapted in my team?







• Test  $\rightarrow$  code  $\rightarrow$  commit



• shortcuts and tips exchange



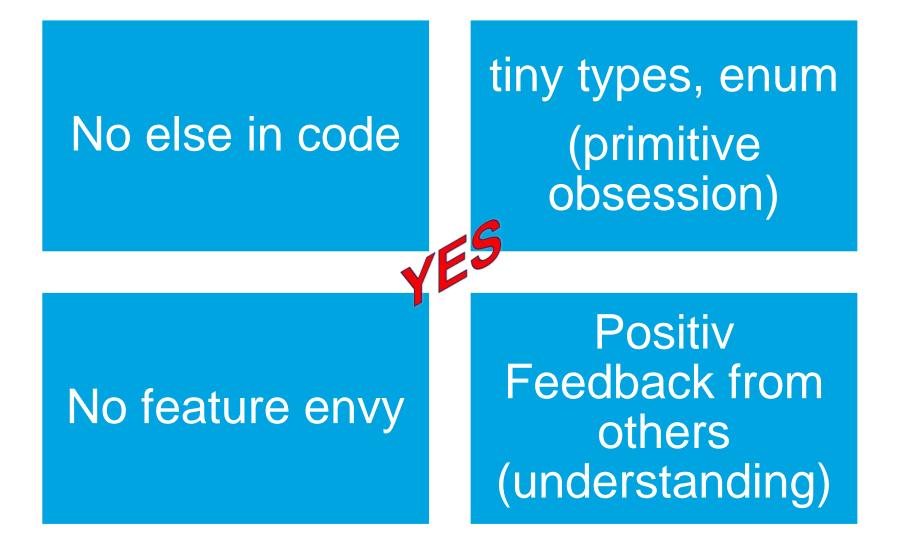
Smells • DRY

• Switch statements

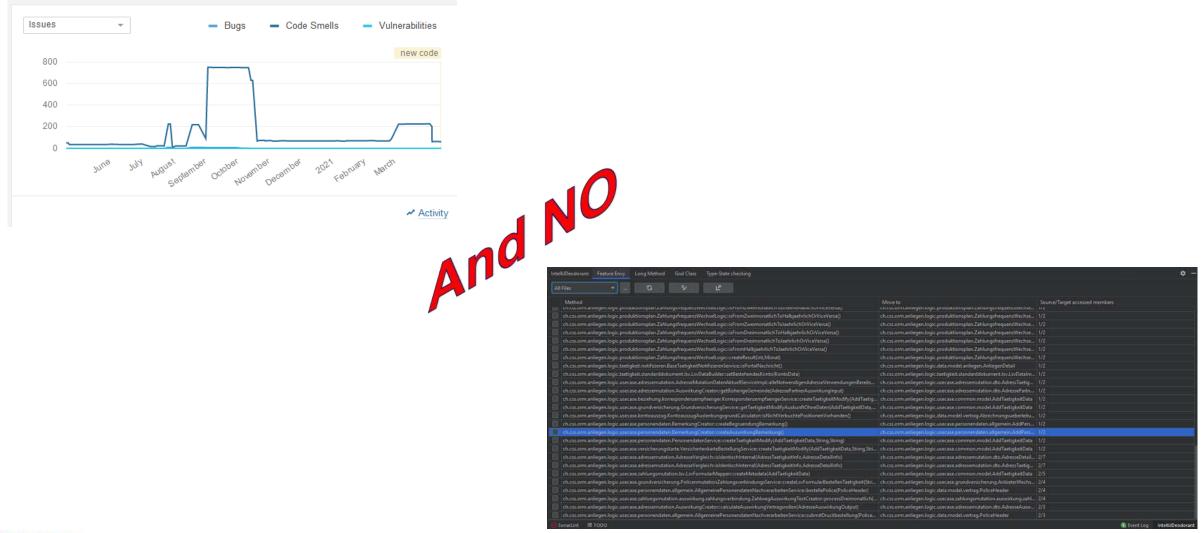
• Large class or methods

**CSS** Versicherung

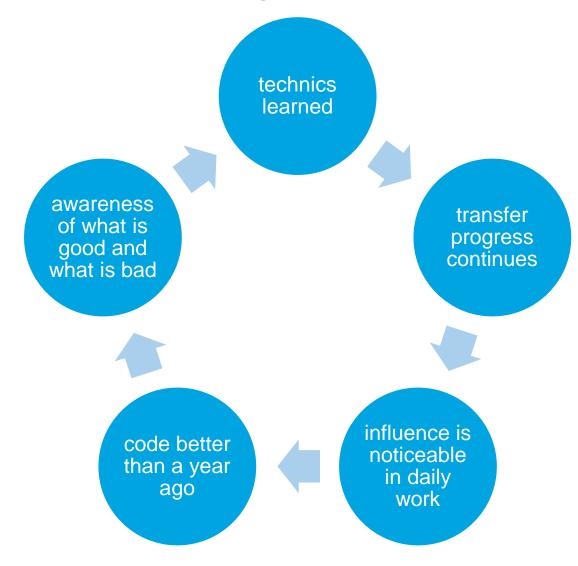
#### Observation – is it noticeable / measurable?



#### Observation – is it noticeable / measurable?



#### **Conclusion / Learnings**



Thank you!

#### Literature & References

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