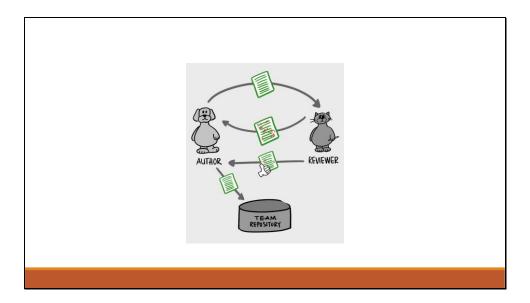


CODE REVIEWS (AND REVIEWABLE.IO)

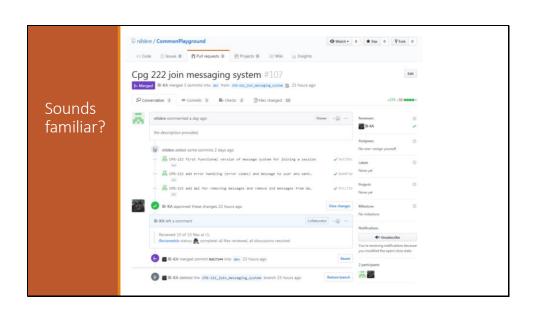
Folie 2

What's a Code Review again?



- Probably not new to you
- Author submits piece of Code
- Reviewer suggests improvements
- Author makes changes and resubmits
- Until reviewer approves
- Code can be pushed

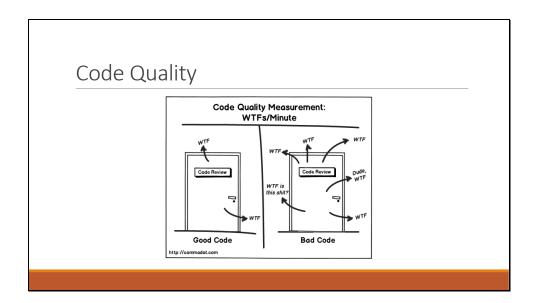
Folie 4



- It's what you do more or less extensively when you handle a pull request on GitHub

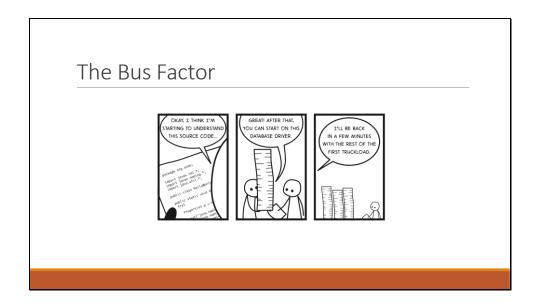
Why do we this?

Folie 6



First reason that comes to mind

- Basic protection against Spaghetti Code
- The machine can already tell me a lot of this saving time for the actual reviewer
- But Code Quality goes far beyond unused imports and cyclic complexity checks

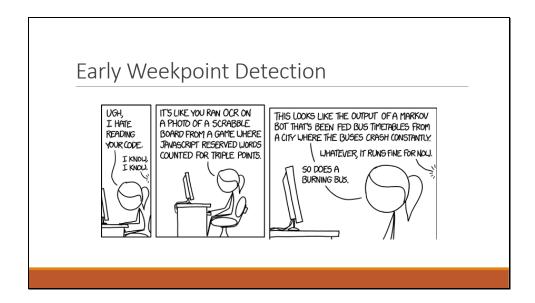


Remember your risk tables?

If someone get's ill ... or hit by a bus we won't be in trouble.

We've got evertything on Git!

Having access to the code =/= being able to finish or expand on it from the get go Reviews don't only help the author, the reviewer learns how other people did things



Written some code with Big O (n!) (n factory)? Wouldn't you be glad someone noticed (Ideally before you get graded on it?)

Also someone who's building on something you've coded my know what problems can arise form your coding without being inherent in it.

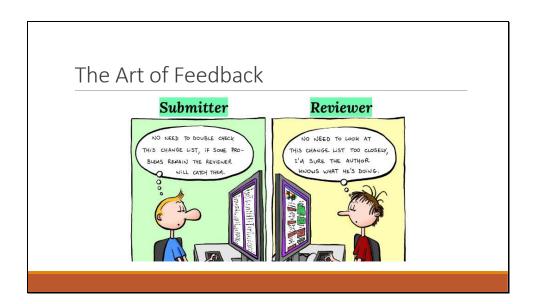
Like: this works fine on its on but I was going to use it this way and only then we'll get problems

We want small teams right? Because we're agile and flexible and that's awesome! But it also means you'll be in charge by yourself

It's a way of knowledge transfer without having to do so explicitly

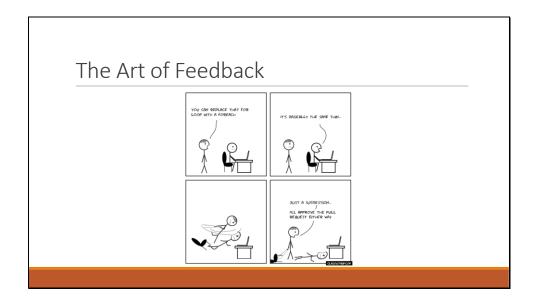
How do we do this?

Folie 10



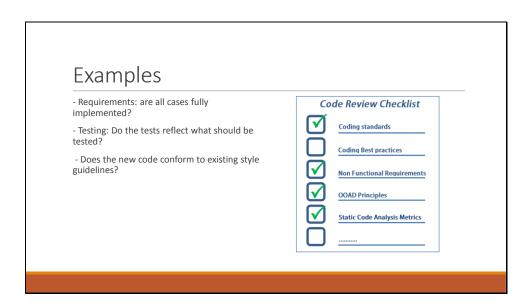
- Many Code Reviews end with a simple "looks fine"
- Either actually is nicely branched small package of code and actually fine
- Or the reviewer doesn't know the specifics of what they are reviewing (that's me) and vaguely assumes that it's fine
- Or (which tends to happen when time pressure increases) because the code was never really looked at

Folie 11



- Doing a review takes time and effort
- What do you want to achieve with the review? (Do you have to do this or can it be automated?)
- Define your code criteria:

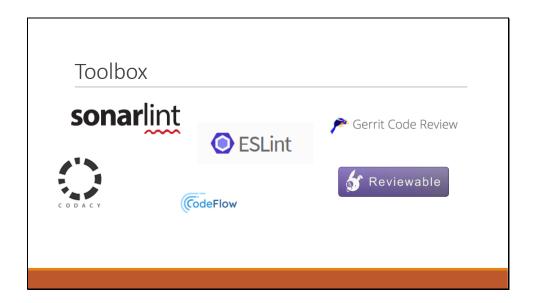
Folie 12



Not everything can be automated: Your IDE will not tell you if you've programmed Dualis If you covered everything function wise If you've covered everything test-wise If you did your calistanics... Let's drop the topic you get my gist

Tools of the Trade

Folie 14



Static Code Checkst? - Let your IDE do it for you.

Android Studio comes with auto checks wich will generate you warnings when you try to commit.

JetBrains has Plugins for Java, Kotlin, Ruby, JavaScript, PHP and Python at least Or use Tools



Reviewable is a web-based tool Works with GitHub only Is there to smoothen your Pull-Request handling And add more bunnies to your life

Folie 16

To Bunnies!