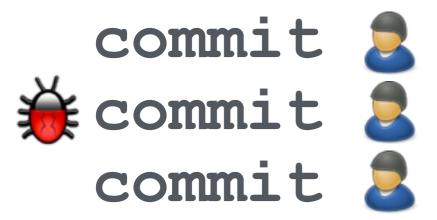


what is it?

NOT code reviewed



code reviewed



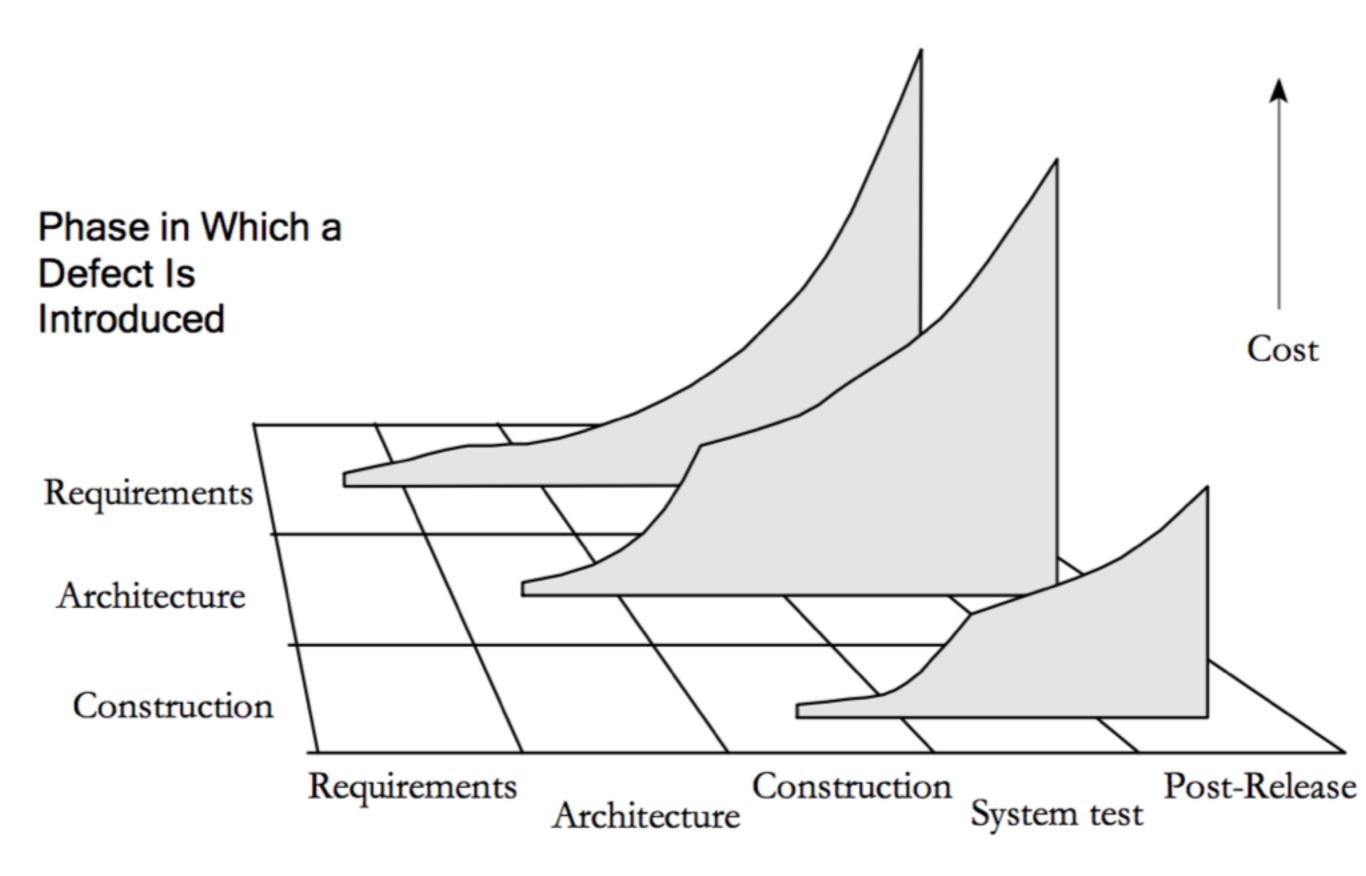
why do it?

catch early bugs catch early bad patterns catch early ugliness



save time





Phase in Which a Defect Is Detected

peer review





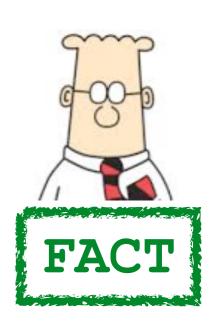
peer pressure

anything that gets reviewed gets better

quality



time savings cost savings



NOT code reviewed

code reviewed

buggy
messy
crappy
untested



correct readable readable efficient tested

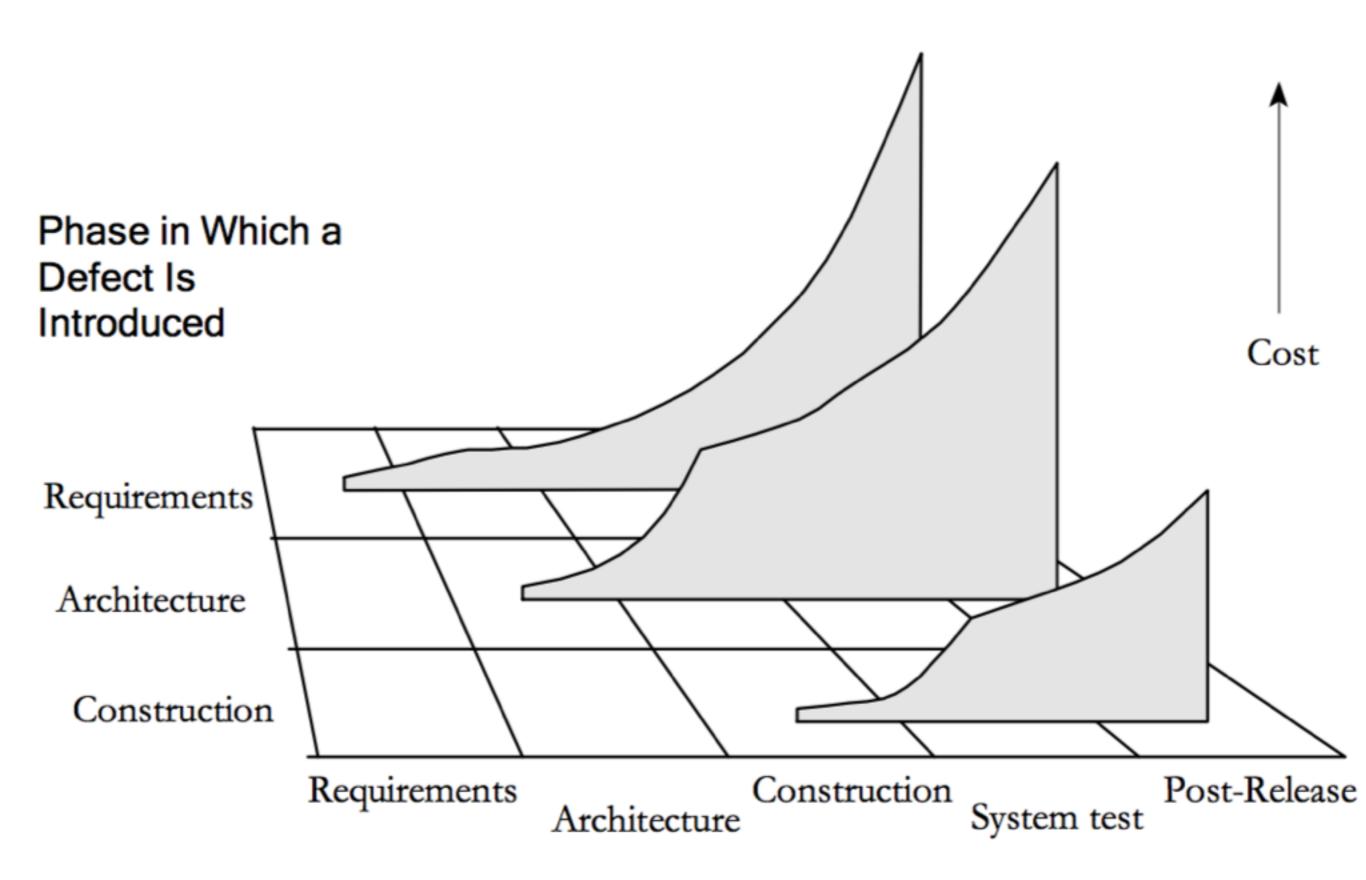


information sharing





NO MORE bottleneck developers



Phase in Which a Defect Is Detected

why/when NOT do it?

code reviews are not practical when...



too hard to control

should be the exception, not the norm!

code reviews are not practical...

without supporting tools

tools help doing code reviews dont waste your
time, get them,
and use them efficiently GITI AR

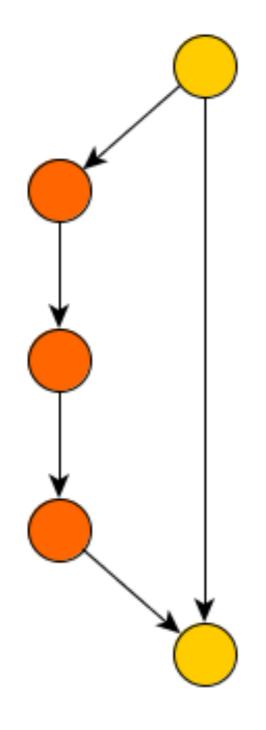
what's required?

disciplined Commits



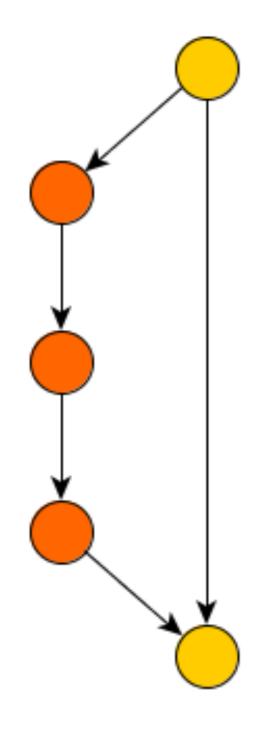
incremental changes small and stable logical steps at all levels

feature



one feature one purpose one branch

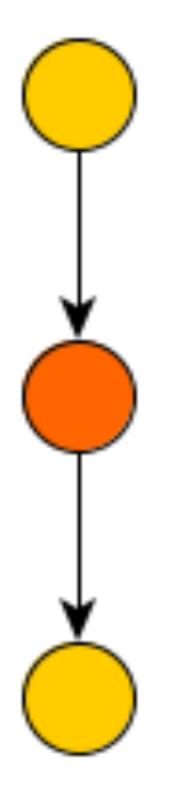
feature



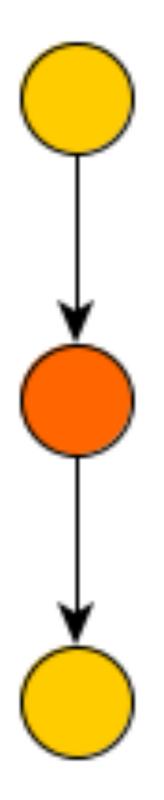
short-lived max 3 days

(example good branch)

(example bad branch)

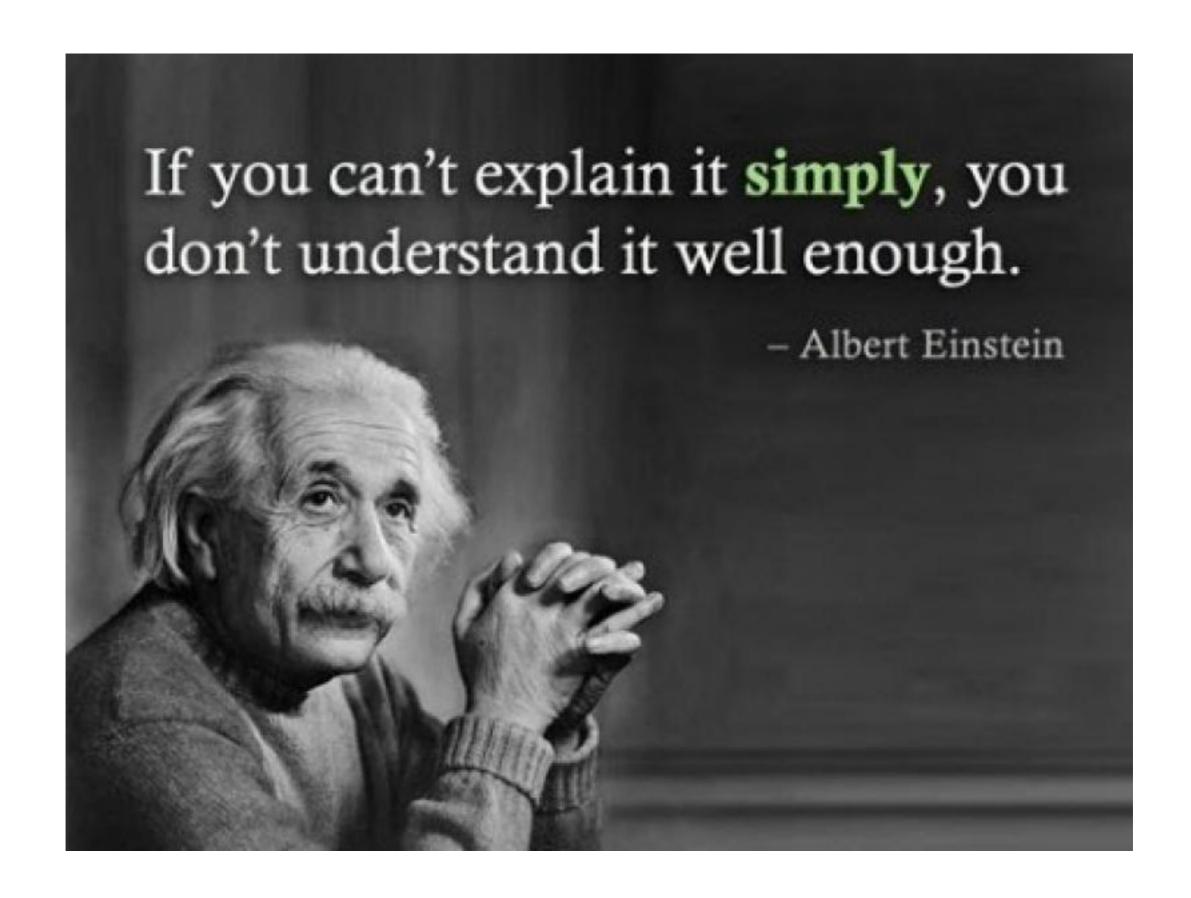


one commit one logical change



one good commit

stable build;
related changes;
no garbage; small;
good comment



(example good commit)

xample bad commit with many changes)

(example bad commit with garbage)

how to do it?

```
git fetch origin master
git checkout -b feature-x origin/ma
# work work
git commit
git commit
git push origin feature-x
# create merge request
```

Create Merge Request

create; don't assign!

self-review: any WTFs?

ready? assign!

peer review ... peer pressure



...WOW.

THIS IS LIKE BEING IN A HOUSE BUILT BY A CHILD USING NOTHING BUT A HATCHET AND A PICTURE OF A HOUSE.



IT'S LIKE A SALAD RECIPE WRITTEN BY A CORPORATE LAWYER USING A PHONE AUTOCORRECT THAT ONLY KNEW EXCEL FORMULAS.



IT'S LIKE SOMEONE TOOK A
TRANSCRIPT OF A COUPLE
ARGUING AT IKEA AND MADE
RANDOM EDITS UNTIL IT
COMPILED WITHOUT ERRORS.



what to review?



buggy messy crappy untested



code reviewed

correct readable efficient tested



readable

is it clear? easy to read? easy to understand?

Code is read far more often than written!

is the logic sane? does it work? bug suspects? -> ask!

any performance concerns?

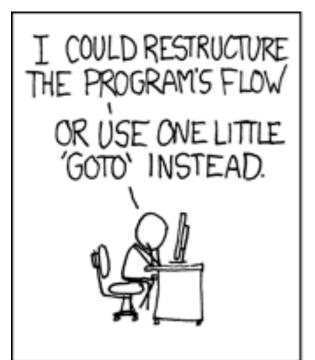
-> ask!

unit tests included? unit test opportunities?

Code Complete Effective Java Sonar/Findbugs/...

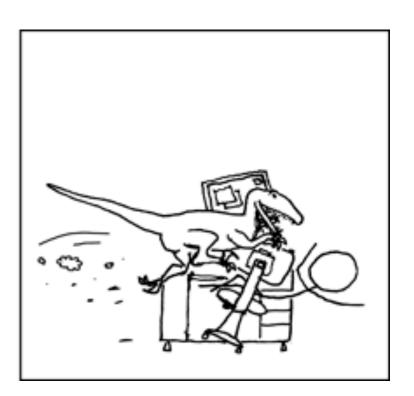
codereview.stackexchange.com

how bad can it be?









how in-depth?

- not too much
- not too little
- just right
- DO IT FAST



a code review is...

NOT about the developer it is about the code

don't just say something is "wrong"

suggest a better way

the focus is..

NOT on problems it is on solutions

perfect code?

don't seek perfect seek good enough better is good enough

don't be a pain in the ass
be flexible
be constructive

The only valid measurement: WTFs/min

Good code





Bad code



Clean Code 07/03/2013

mistakes...

it's OK to make mistakes

it's NOT OK to not learn from them

