

Getting Good at Code Reviews

Rhia Dixon

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Quick Question...

I'm Rhia!



@TheFakeRiri

Leader of Devs @  VMLY&R

Ambassador @ KCWIT

Code Review KWEEN

Who reviews PRs?

I think EVERYONE should.



“If you write code, you should review code.”

-Your Favorite KWEEN of Code Review

So, what IS code reviews?

Code Review IS Not...

- Only for code-owners and team leads
- About the developer(s)
- A forum for attacking and belittling people
- A process developers should opt-out of

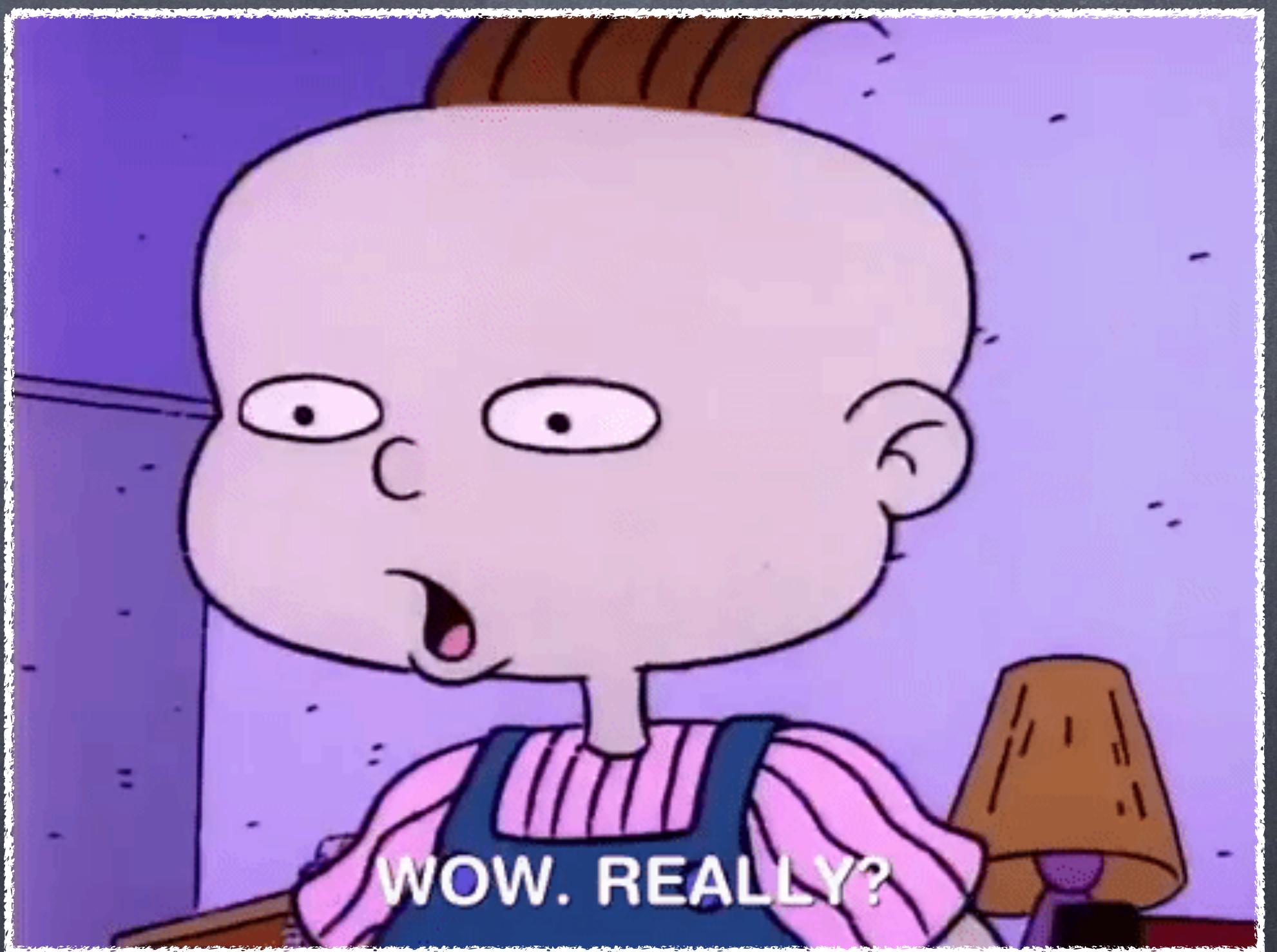
Code Review IS...

- A Quality Gate
- A Collaborative Learning Opportunity
- Thought Leadership
- A team effort

Benefits of Reviewing Code

Learning the Codebase

- Rapid Onboarding
- Knowledge Sharing
- Reinforce industry/company standards
- Pattern (and anti pattern) recognition



Engage on the PR

- Ask a question
- Request a Change
- Leave a comment
- [QUESTION]
- [BLOCKER | CHANGE | NIT]
- [COMMENT]

Quality ≠ Consistent -ilities

- Applicability
- Maintainability
- Testability
- Accessibility
- Readability
- Search-ability
- Function-ability



Look for “-ilities”

- What does this change do?
- Do functions and variables have suitable names?
- Does this have tests? Does it need them?
- Is it semantic? Are we impacting ally?
- Are we following applicable standards?

Duplication Mitigation

Why rewrite the
wheel if we
**DO NOT HAVE
TO?**



But... I have reasons...

Uh-huh. Yeah. No.



If you write code...?
Review the code.

Develop a Process

Pre-Check It

- Review the Template
- Check the ticket – is the change in scope?
- How many files are changed?
- Are the files changed in scope?

Read It

- Look at the small changes first
- Lean into your area of expertise
- Check for those “-ilities”
- Ask questions if you have them



Build It

- Can you successfully build the branch locally?
- Can you verify the functionality works as expected?
- Does this change impact anything it shouldn't?
- Can you break it?

If it looks good to you...?

Approve it!



Tips to Inspire your Team

Things to Try

- Group Code Review
- Dev Demo Days
- “Office Hours” Recurring Review Session
- Positive Reinforcement
- A Code Review Checklist

Recap

Things to Remember

Code Review

- Helps devs learn the codebase
- Improves code quality
- Decreases duplicated efforts (#NoNewWheels)
- Targets the code, not the developer(s)
- Is a TEAM effort!

If you write code...?

#ReviewTheCode

Resources

Articles:

- The 10 Commandments of Navigating Code Reviews
- Github Rulesets
- Github PR Templates

Tools:

- sonarqube by Sonar
- pre-commit
- typescript-eslint

THANK YOU!

@TheFakeRiri

<https://linkedin.com/in/rhiadixon>