

The Art of Code Review: It's not Kindness, it's Diplomacy

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TS19 ESCAPE VELOCITY

The logo features the text "TS19 ESCAPE VELOCITY" in a large, bold, white-outlined font. The letters are partially filled with a blue gradient. The "VELOCITY" part has a white arrow pointing upwards and to the right integrated into the letter "Y". The background is a dark space-themed graphic with colorful, curved light streaks resembling nebulae or star trails.

It's not Kindness
It's Diplomacy

Agenda

- The Problem
- What is Diplomacy?
- The Code Review, as Reviewer

The Problem



YOU'RE DOING IT WROOONG.

IT'S JUST
COSMETICS.

IT DOESN'T
MAKE SENSE !!

IT'S A
HORRIBLE IDEA.

Inertia

Animosity

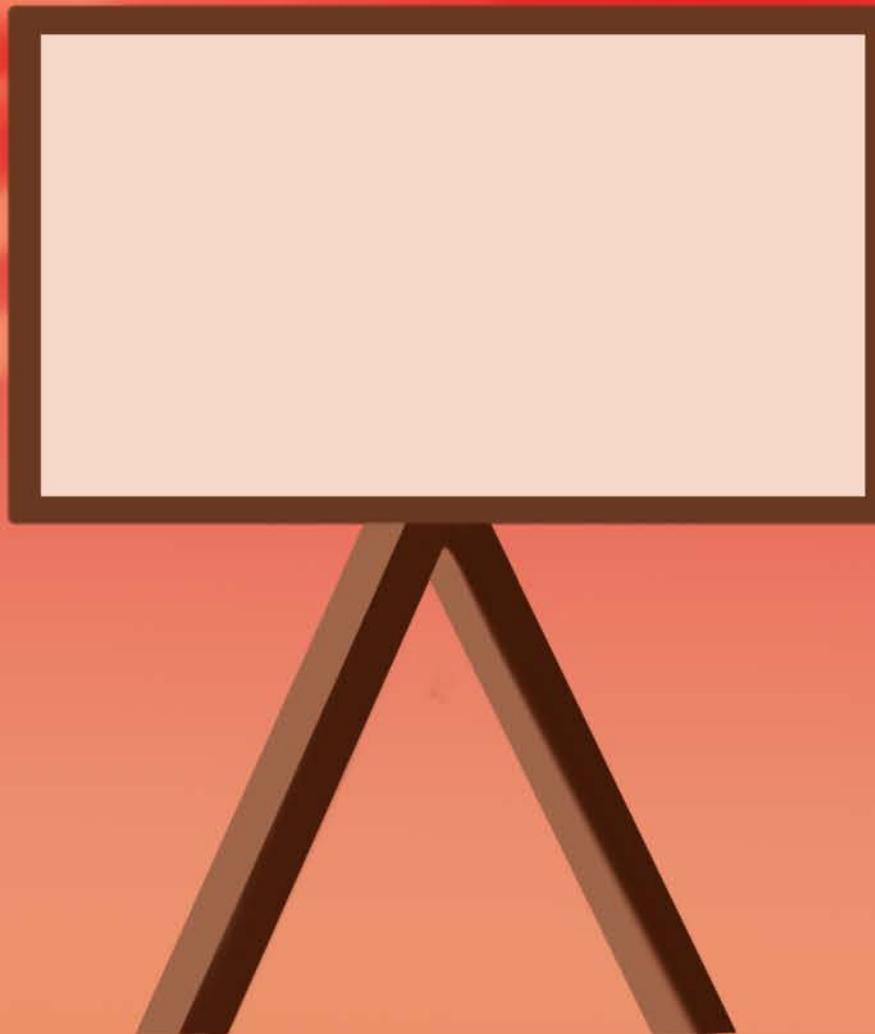




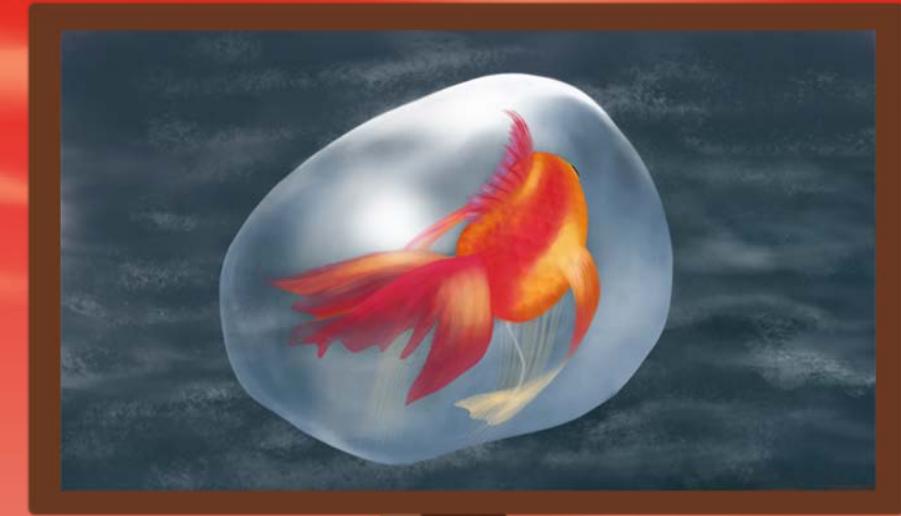
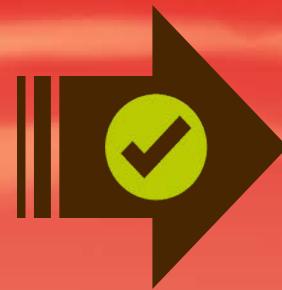
INEFFICIENT

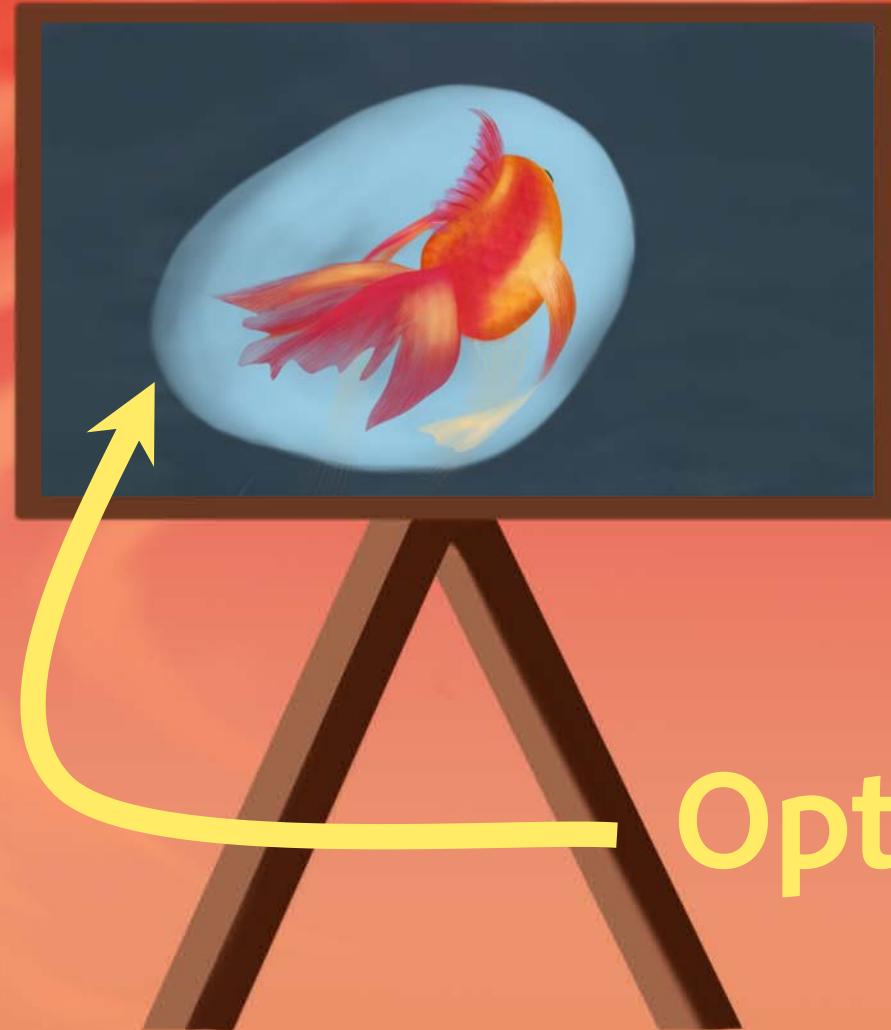




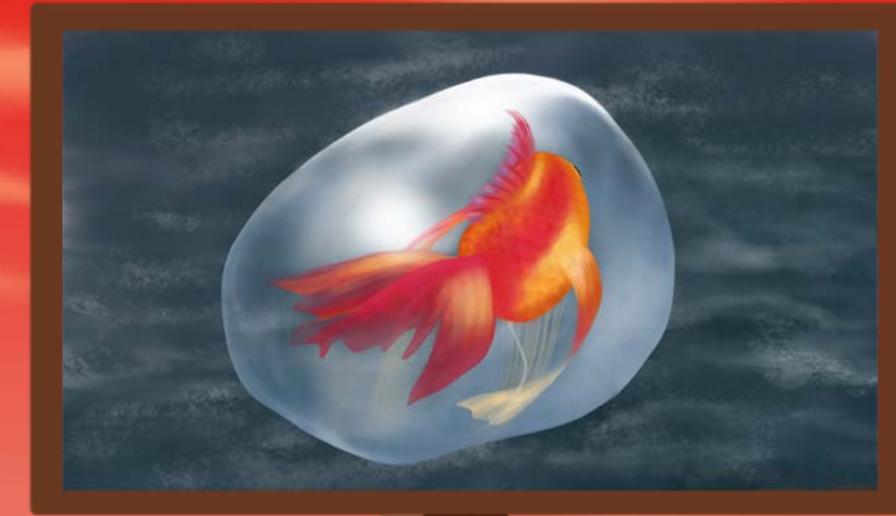
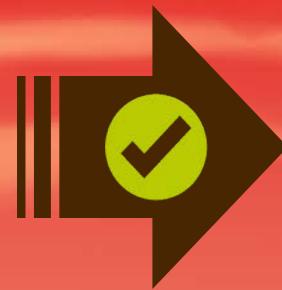








Optimized Dev Process

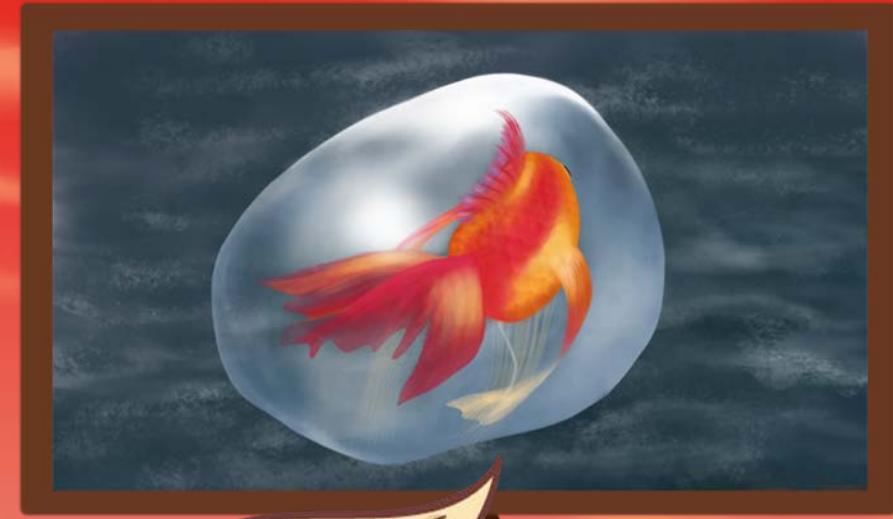
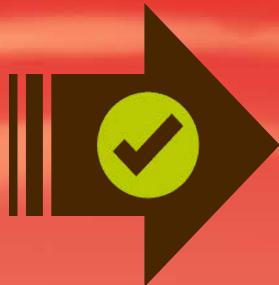


Before the review



After the review





What is Diplomacy?



The conduct of international relations



The Art of Peace

Or how Diplomacy works.



Diplomacy is a Technique: a Social Framework

Diplomacy has an algorithm

Diplomacy can be implemented

Definition

```
/**  
 * Diplomacy is a Social Framework  
 * you use to achieve your goal  
 * without making yourself enemies.  
 */
```

```
public class Diplomacy {
```

```
}
```

Algorithm

```
public class Diplomacy {  
    /**  
     * Always chooses what brings you closer to your goal.  
     *  
     * Without hurting other people.  
     *  
     * Use wisely.  
     */  
}
```

Setup

```
public class Diplomacy {  
    /**  
     * -----  
     * 1. Goal Driven  
     * -----  
     */  
  
    private final Goal goal;  
  
    public Diplomacy(Goal goal) {  
        this.goal = goal;  
    }  
}
```

Setup

```
public class Diplomacy {  
    /**  
     * -----  
     * 2. Actionable  
     * -----  
     */  
  
    public Action getAction(Situation situation) {  
        Action action = new Action();  
        //compute action from situation and goal  
  
        return action;  
    }  
}
```

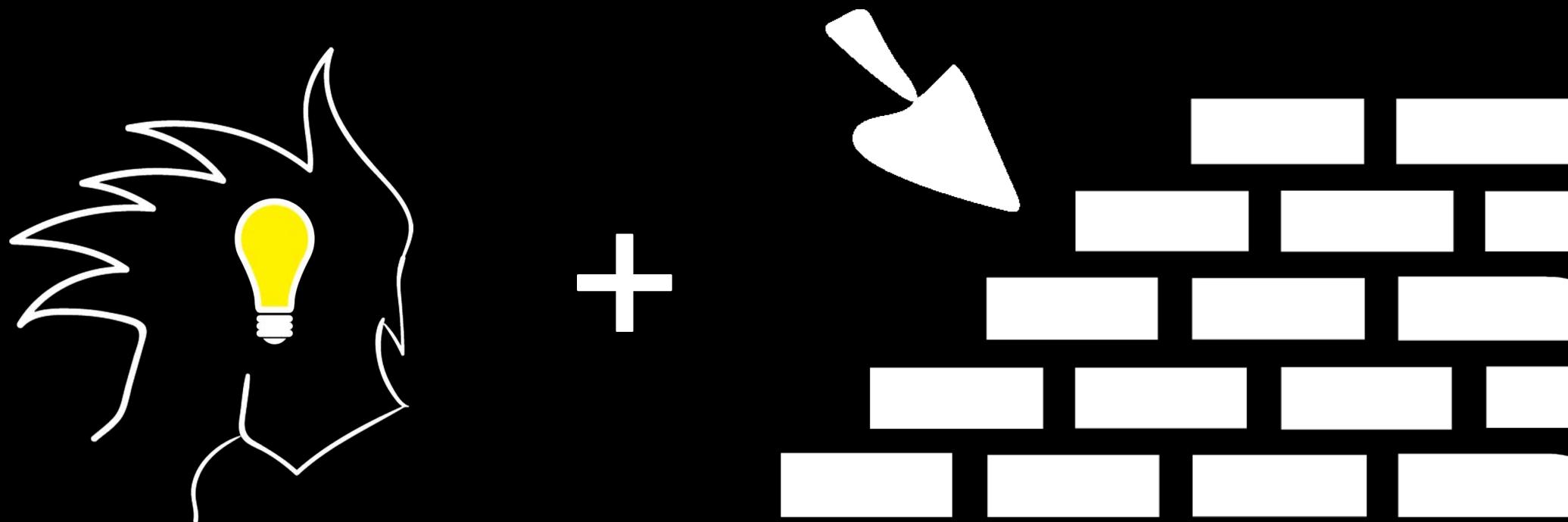
Rules

```
public class Diplomacy {  
    /**  
     *  
     * 1. Understand first  
     * Everyone does something because  
     * they think it's the right thing to do  
     *  
     * 2. Every action  
     * contributes to the end goal  
}
```

Rules

```
public class Diplomacy {  
  
    public Action getAction(Situation situation) {  
        Set<Actions> actions = getActions(situation);  
  
        understandFirst(actions, situation);  
  
        Action action = getClosestAction(actions);  
  
        return action;  
    }  
  
}
```

Rules



YOUR CODE DOESN'T MAKE SENSE.

Be Kind

YOUR CODE DOESN'T MAKE SENSE.

F*** you! 

Please, be kind. 

I did this to handle null value. 

Be Kind

Use Diplomacy

The Code Review



Reviewer

ojune reviewed on Dec 10, 2018 [View changes](#)

source-lang.json [Hide outdated](#)

```
... ... @@ -343,6 +345,8 @@  
343 345 "tooltip.payload2": "Check the fields expected in this event",  
344 346 "tooltip.search": "Search and select fields from the Experience Event  
345 347 "tooltip.type": "Define the type of the event, for reporting purpose",  
348 + "tooltip.used.in": "Defines in how many journeys this event is used",
```

ojune on Dec 10, 2018 Member
English: it should be "...in how many journeys this event is used"
 1

Reply...

src/stores/DataEntities.jsx [Hide outdated](#)

```
159 + error => displayError(  
160 + store,  
161 + error,  
162 + message: i18n.get('event.message.error.load')
```

ojune on Dec 10, 2018 Member
It should be the message for datasources
 1

Reply...

src/stores/Journeys.jsx [Hide outdated](#)



Reviewee

Goal

- Merge good code

Without making yourself enemies

Reviewer's tasks

- Ask for a change 
- Ask for an explanation

Reviewer's Diplomacy

- Attitude
- Words

Attitude

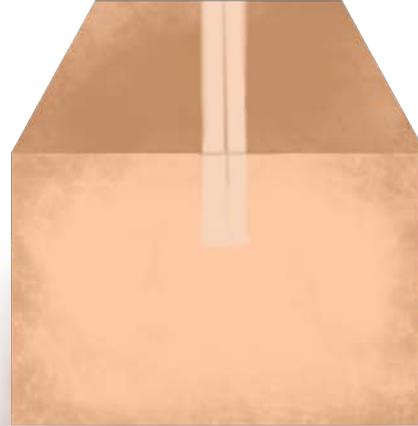
Situation



Situation



Resistance



Cancel the Resistance



Cancel the Resistance



Attitude



Attitude

- **Respect** the work done
- **Help** the Reviewee



Words

Words

- Enhance
- Enable
- Encourage



Words

- Being told what to do
- Feeling undermined



Words

- Enhance
 - Something to improve
 - Not something bad



Enhance

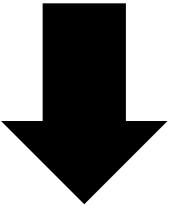
- Refactor
 - Readability
 - Optimization
 - Maintainability
 - Consistency



Suggest

Refactor

“handleValue(val, type)”



“convertToType(val, type)”

Refactor



- Use positive comparatives

more + readable, maintainable, efficient, performant,
robust, clear, consistent, reusable, debuggable...

- Use open suggestions: leave choice

Can this be...?

What do you think of...?

Is it possible to...?

I suggest to...

This would be more...

You could do it like this...

Refactor

Can this be factorized?



Too much duplicated code. 😊



This can be removed.



Useless.



It would be more readable named as...



This method name is confusing.



- Don't point what's bad
- Say how to improve it



Suggest

Enhance

- Required changes
 - Bugs
 - Feature requirements
 - Performance



Required changes



- Use passive voice

It should be, needs to be, must be, has to be fixed

- Use “we”

We should, have to, must, need to fix this

- Use polite form

Could you please fix this?

Required changes

This needs to be checked.



You should check this.



We should check this.



You have to check this.



Could you please check this?



Check this.



Enhance

- Ask change clearly
- Remain neutral

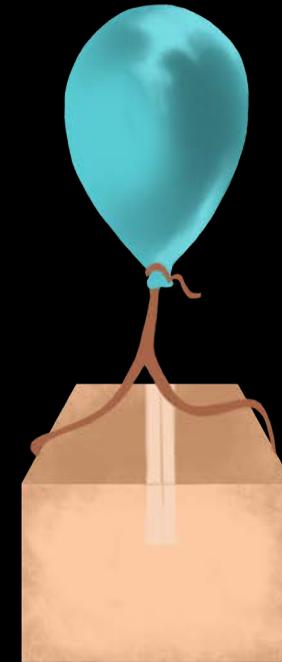


Require



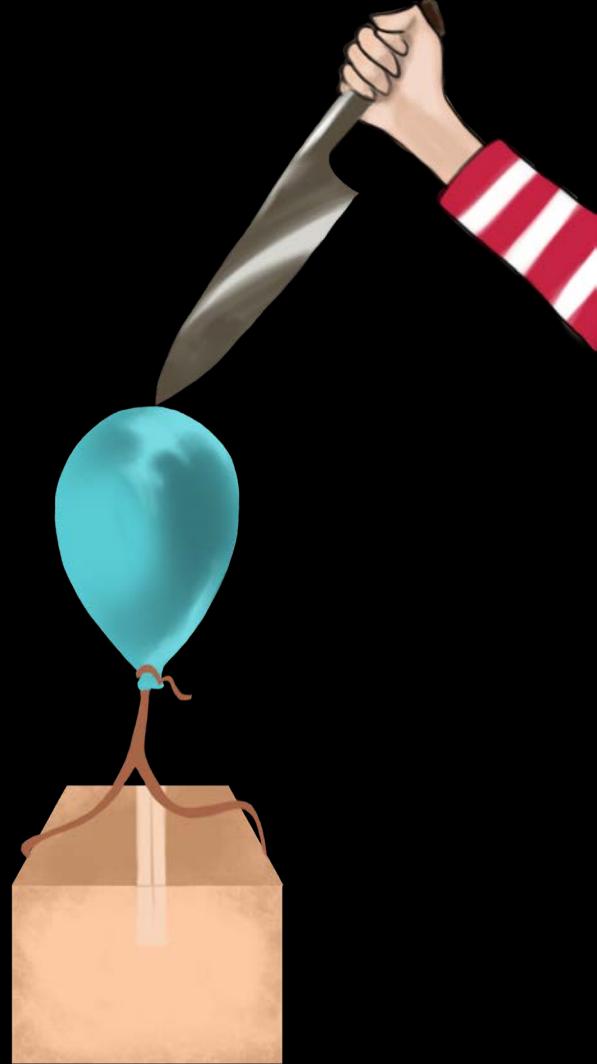
Words

- Enable

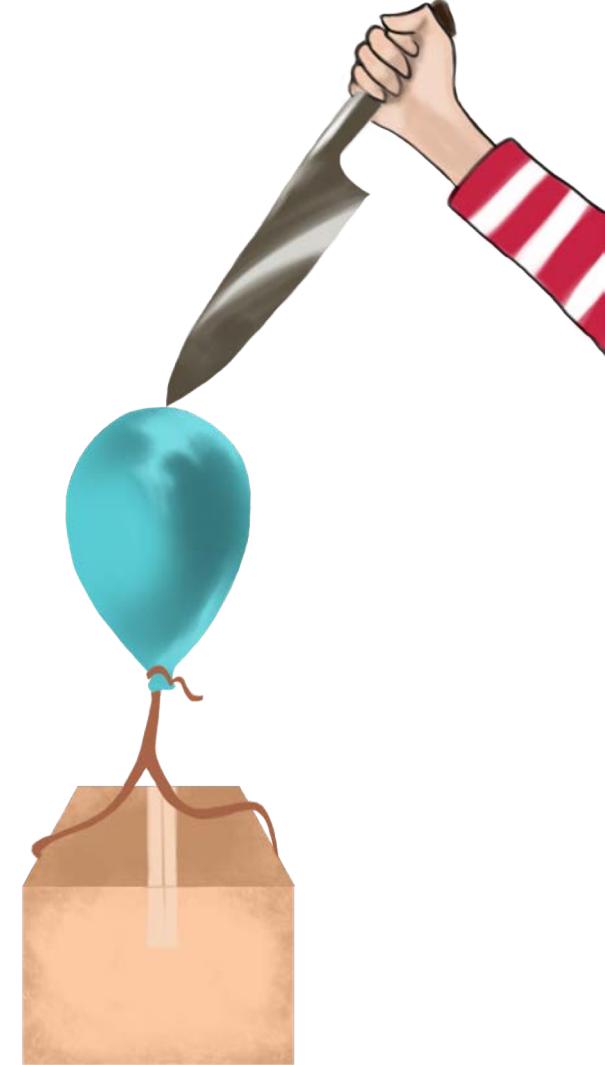


Words

- Enable
- Stop disabling



Enable



Enable

- Don't assume

- Understand first



You're wrong.



Can you explain why you need this?



Is this intended?



Is there a particular reason why?



Enable

- Don't judge
- Ask change or an explanation



Your code is **bad, wrong, ugly, clumsy**



This needs to be changed like this.



I don't like this pattern, I prefer this one.

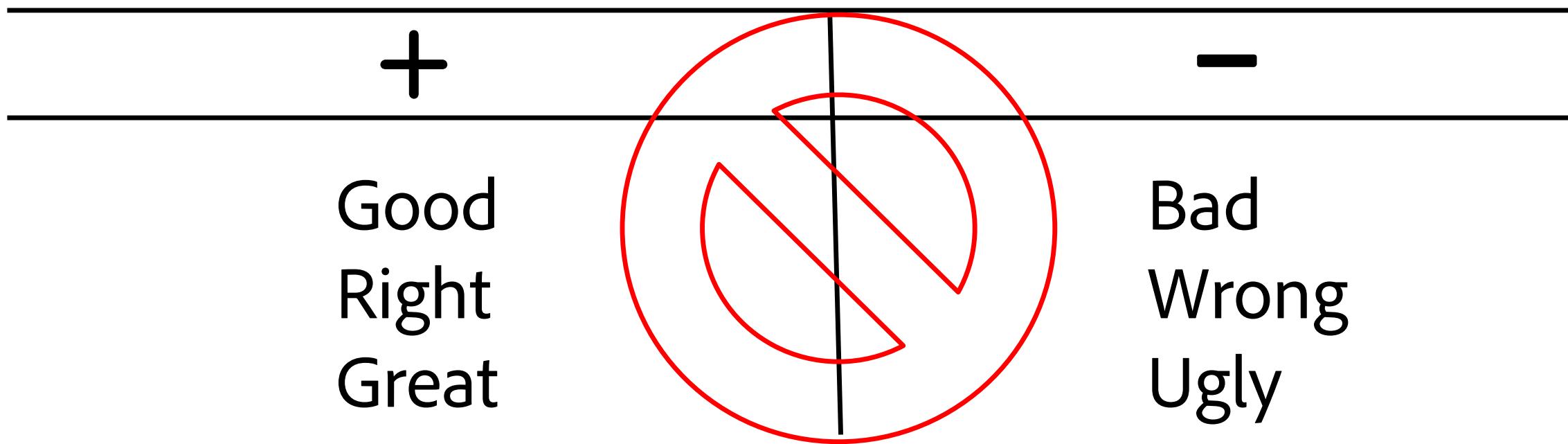


I suggest this pattern instead.

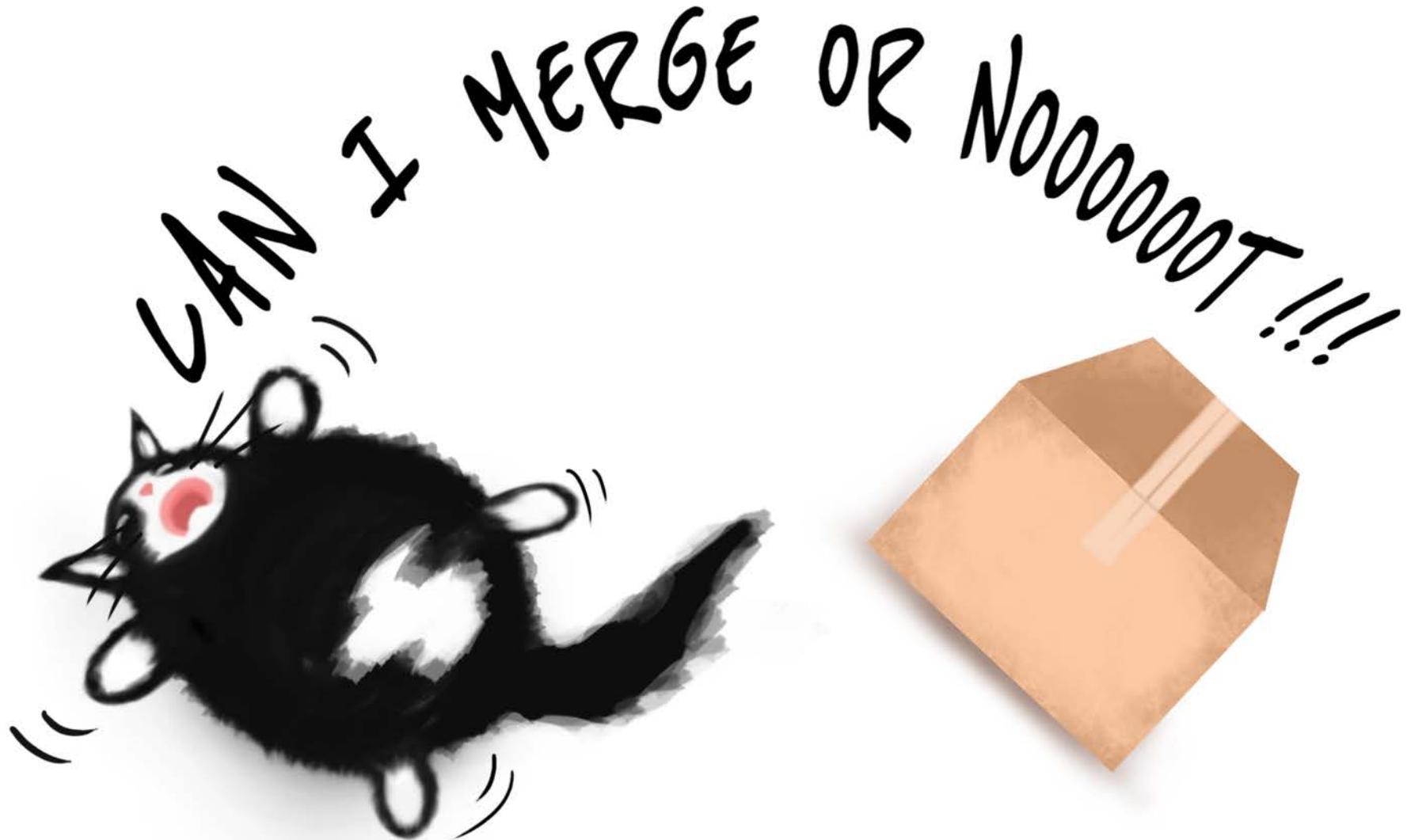


Enable

- Don't judge
 - It's not an evaluation



The Reviewee



Enable

- Don't point
 - It's not personal, don't accuse



You forgot to import this file.



This file should be imported. / Missing file import.



Enable

- Don't give orders
- It's a **peer** review



Use this library 😊



We can use this library instead, it's more efficient.



Enable

- Don't replace
- Transform what's done



O. June 11:00 AM

Hey, how are you?

I'd like to help speed up merging of your PR.

Maybe it will be faster like this

src/views/TextContent.jsx ▾

```
1 import Textarea from '/fields/Textarea';
2 import Style from '/styles/TextContent.styl';
3
4 /**
5  */
```

Careful with sending code snippets!

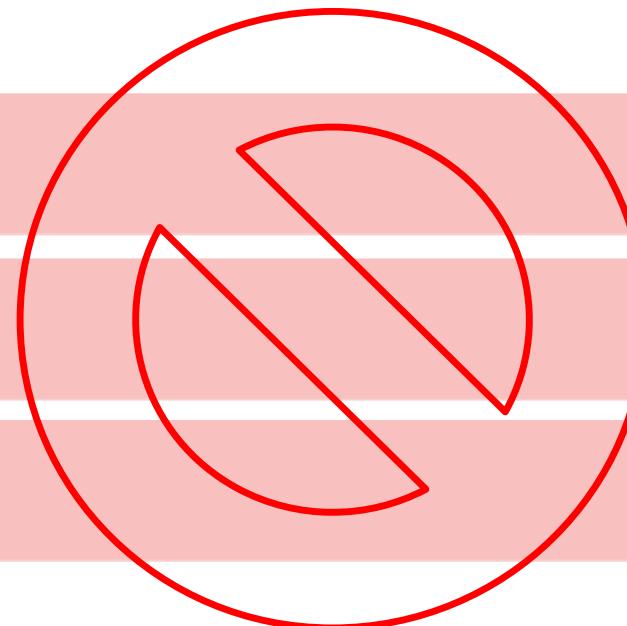
Enable

- Don't be aggressive
- Keep calm



CHANGE THIS.

CHANGE THIS !!!!!



No caps, exclamation points, offensive words, emojis

Enable

- Don't humiliate
- Report stack privately first



A screenshot of a GitHub issue comment. The top bar shows the number 160 and a '+' button. The code snippet above the comment starts with <icon on-click={() => this._edit()} icon="edit". Below this, the comment is posted by 'O. June' on Jul 18, with a 'Member' badge. The comment text reads 'after the click :'. A large red circle is drawn over the entire stack trace that follows. The stack trace itself is as follows:

```
Uncaught RangeError: Maximum call stack size exceeded
at _clone (clone.jsx:151)
at clone (clone.jsx:176)
at Model.shallowClone (clone.jsx:181)
at JSONProperties.toJSON (JSONProperties.jsx:126)
at Model.toJSON (Exportable.jsx:23)
at derez (<anonymous>:1:65657)
```

Enable

- Don't humiliate
- Provide STRs and leave reference



As seen, there's a bug here when...that needs to be fixed.

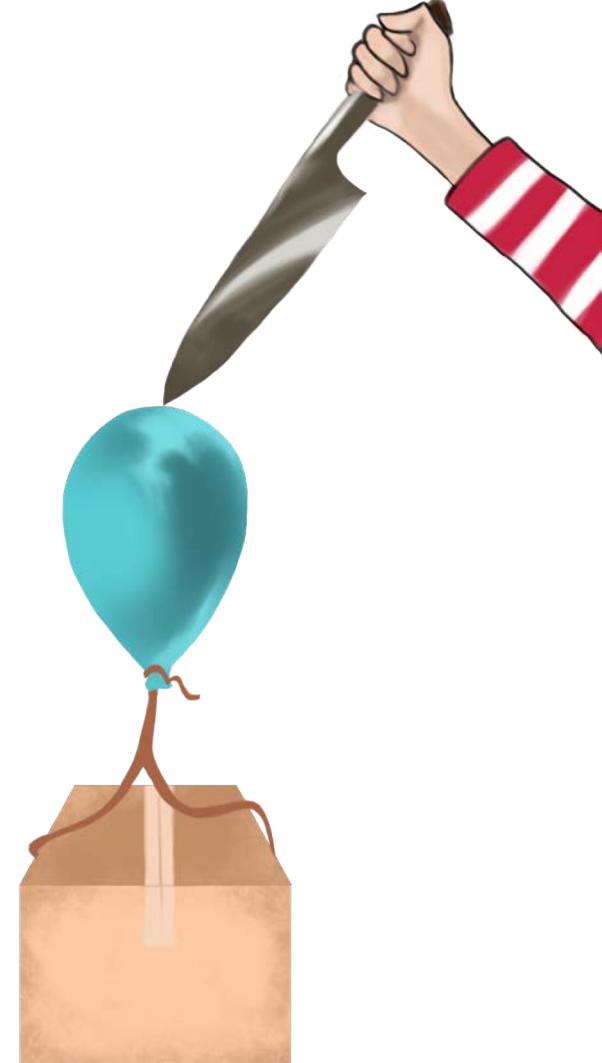


I tested with this value and it triggered an error.



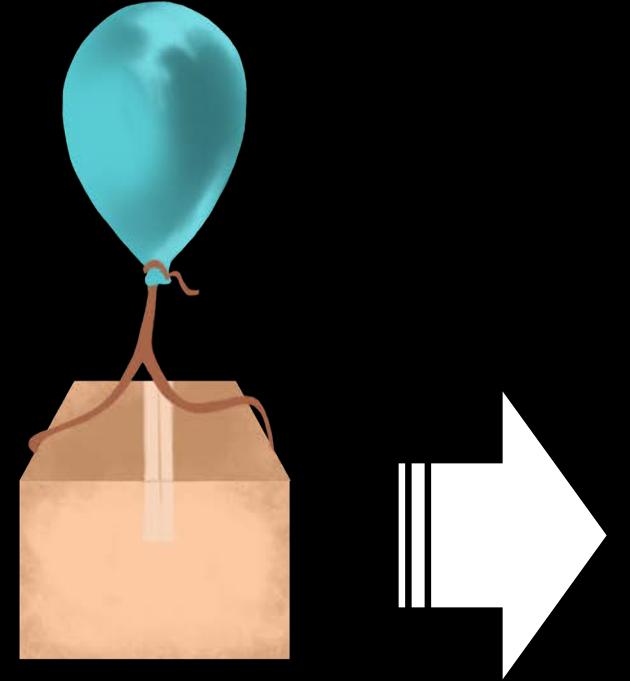
1. Don't assume
2. Don't judge
3. Don't point
4. Don't give orders
5. Don't replace
6. Don't be aggressive
7. Don't humiliate

I DON'TS



Words

- Encourage
- Motivate the Reviewee



Words

- Encourage



Negotiate

Encourage



■ Action driven feedback

It seems not optimized.



It can be optimized by using **Map.entry**.



■ Argument driven feedback

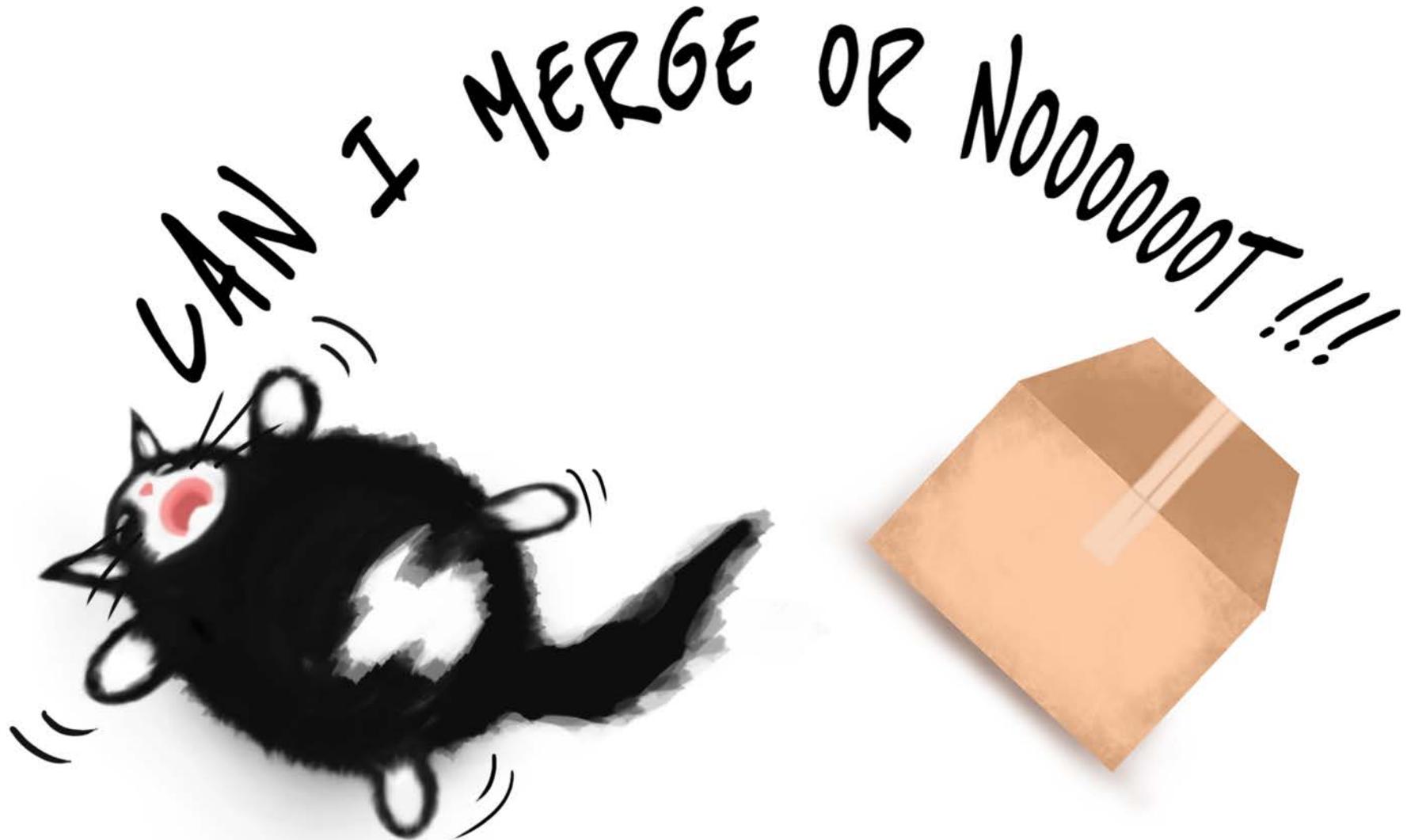
It should be renamed.



It should be renamed because it would be **clearer**.



The Reviewee



The Reviewee



Encourage



■ Action driven feedback

It seems not optimized.



It can be optimized by using **Map.entry**.



■ Argument driven feedback

It should be renamed.



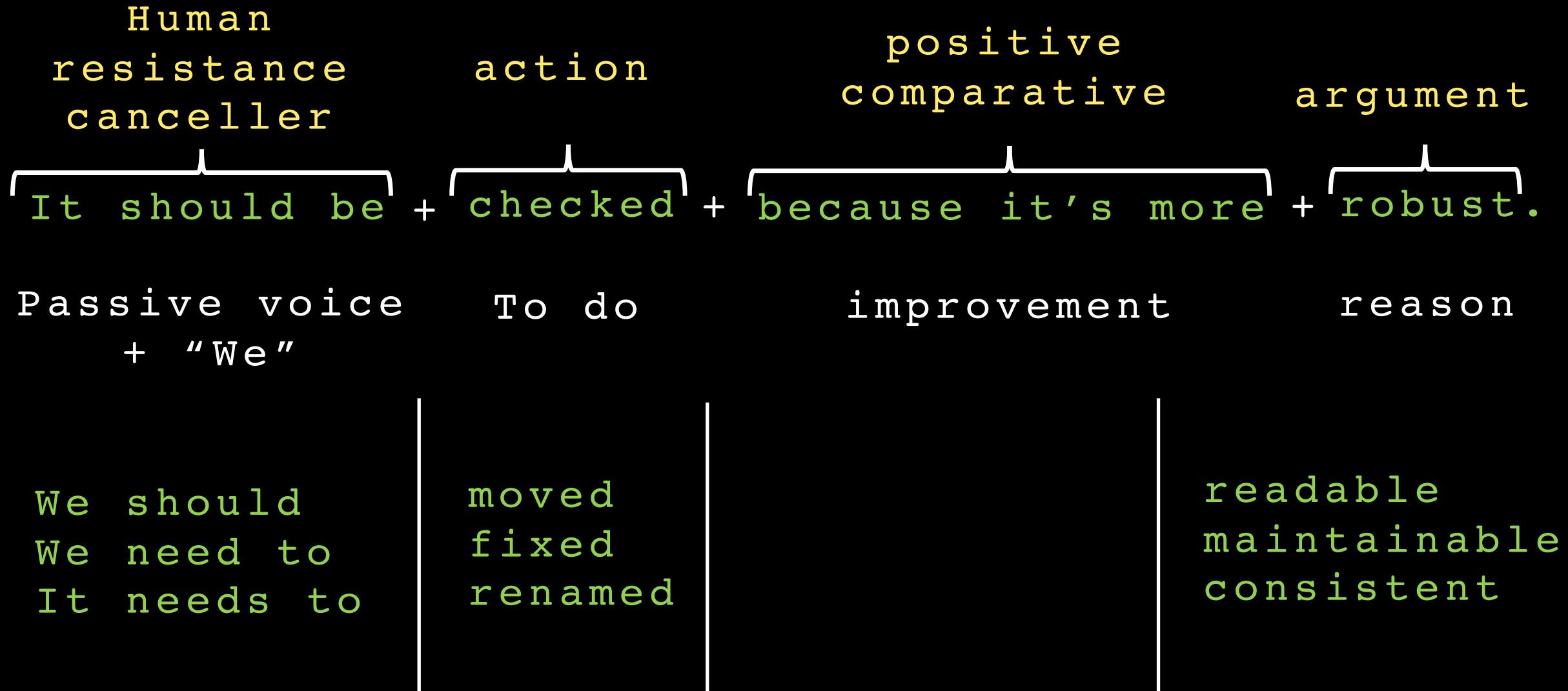
It should be renamed “**convertToType**” because it would be **clearer**.



■ Persist politely

Conclusion

The Code Review comment linter





WOW.



MWOW.



Thanks!
<https://tinyurl.com/ydez8v94>
@eloone





Adobe