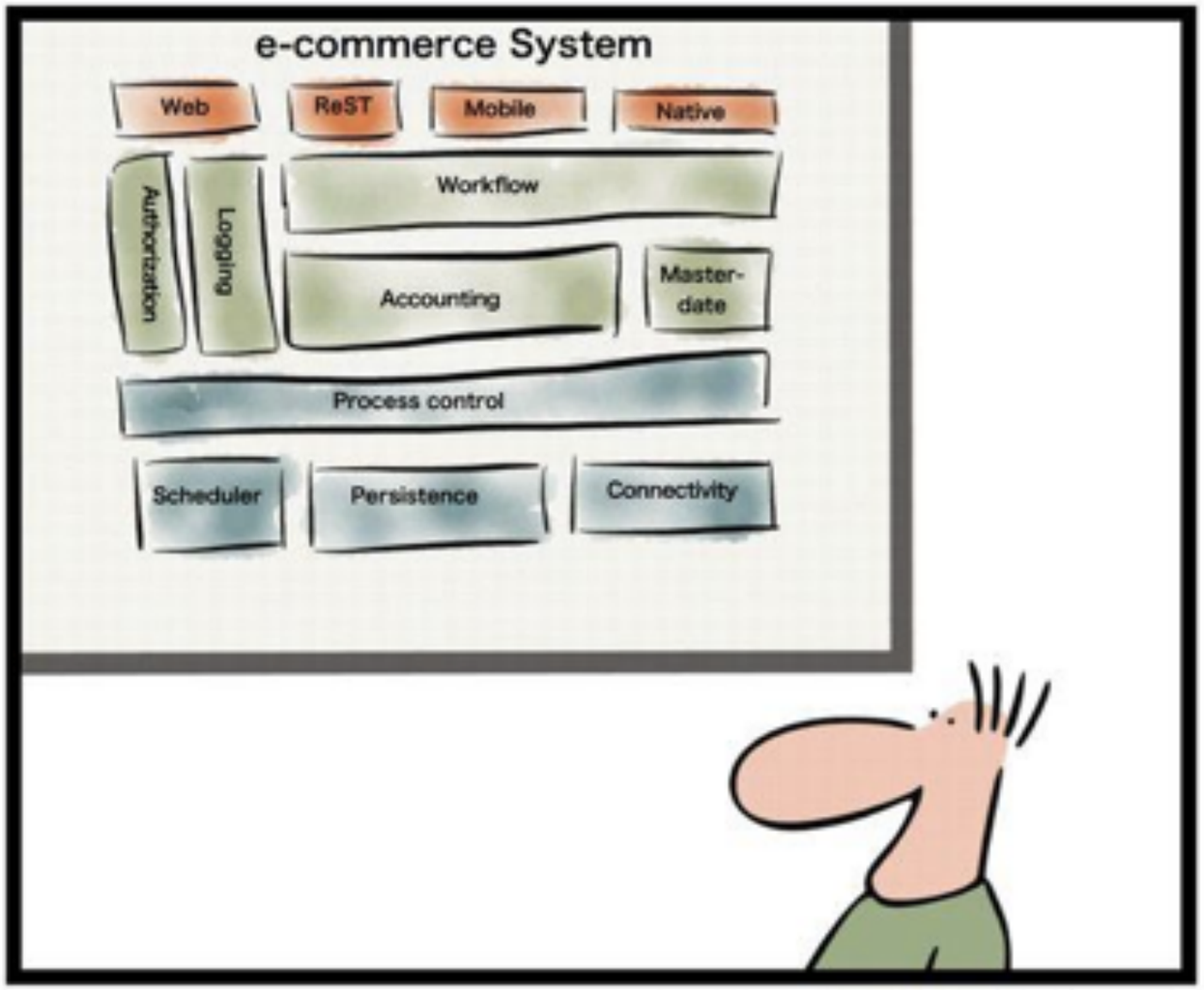
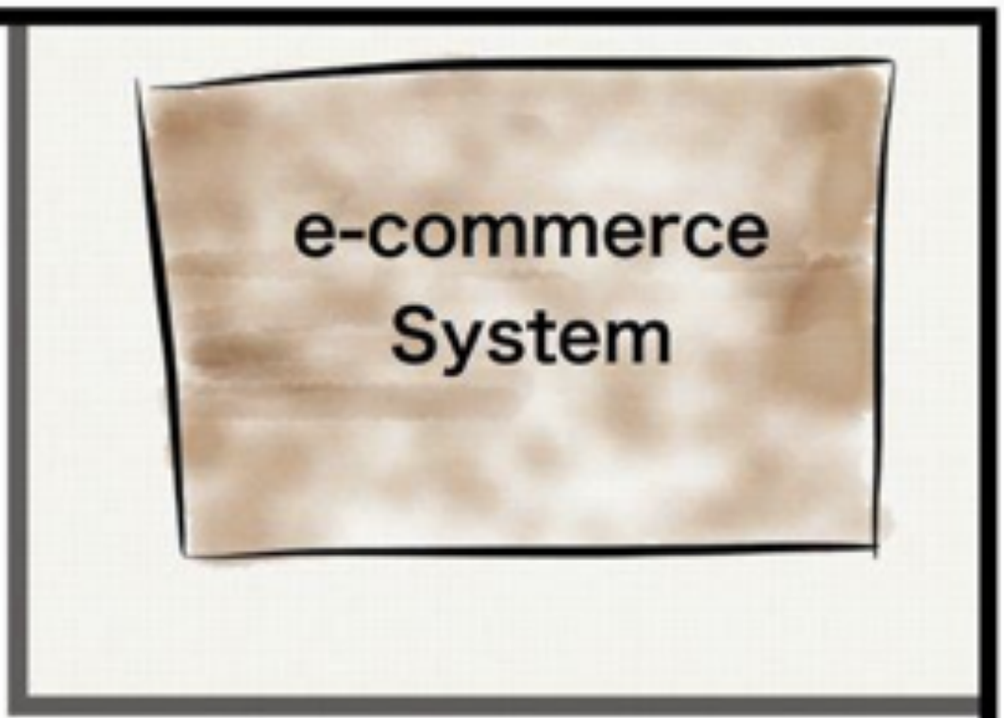
HOW TO DRAW THE ARCHITECTURE OF YOUR SYSTEM



RULE 1: JUST MAKE IT NICE



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Source: geek and poke

RULE 2: AND NOT REALISTIC!!!

Architecture for Rookies

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ALE Kraków

I'm supporting
ALE 2015
Bulgaria
Sofia

Agile Lean Europe

ALE2014
20-22 August
Kraków
Poland

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Change in thinking
Tame the terminology
Convince to change
Automated tests & documentation
Conquer the fear

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Before we start...

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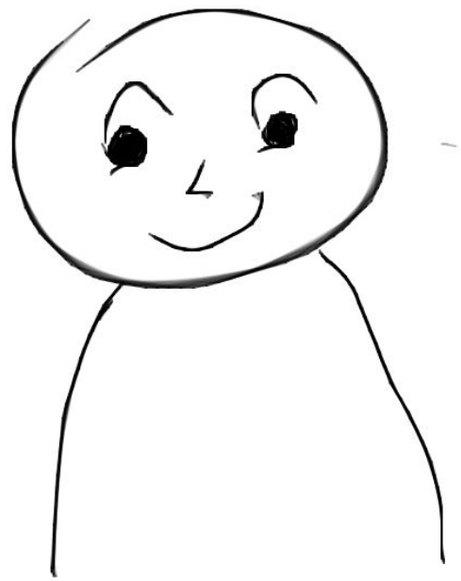
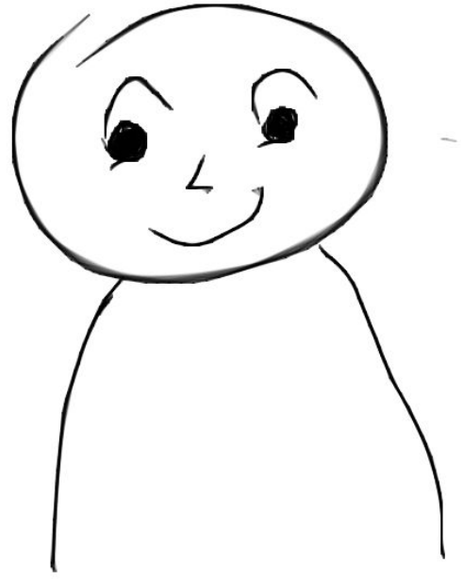
Do you know who you will talk to?



Do you know who you will talk to?

- Any personal benefits?
- Any risks?
- Any changes?



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Do you know who you will talk to?

- Any personal benefits?
- Any risks?
- Any changes?

Change in thinking

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Architecture

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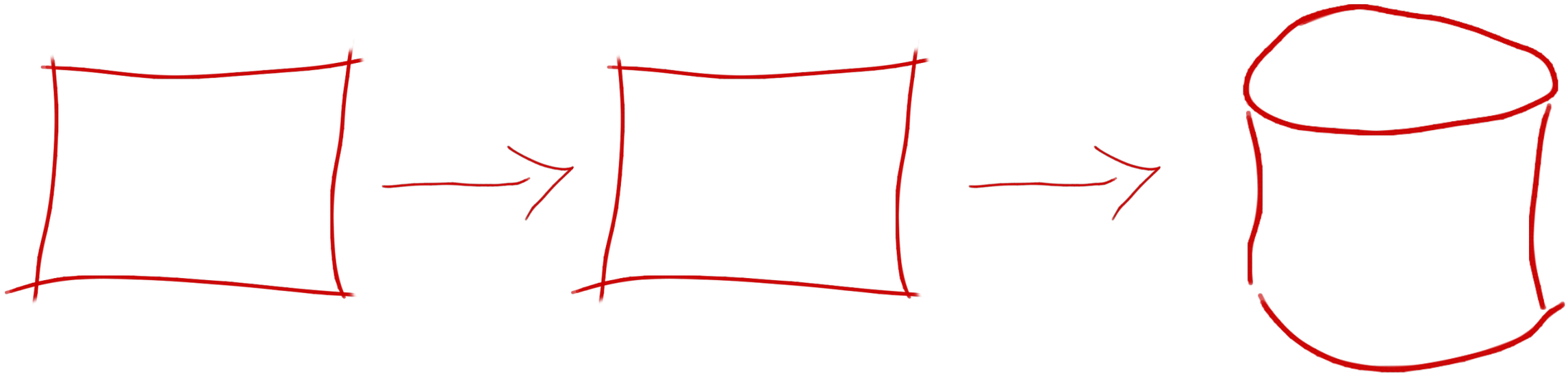

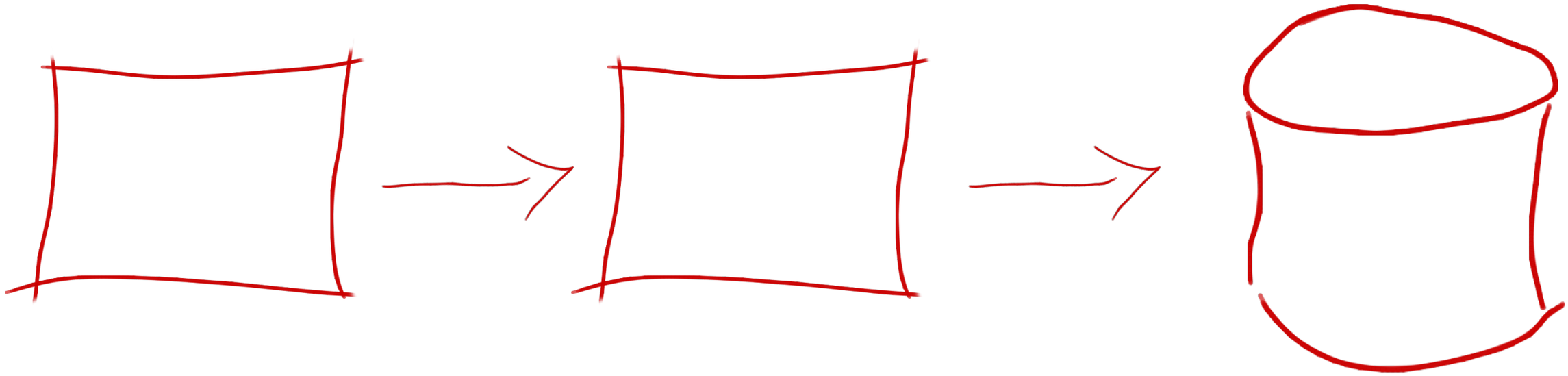

'Box arrow box arrow cylinder architecture'
@tedneward

Monoliths...

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Monoliths...

... microservices?

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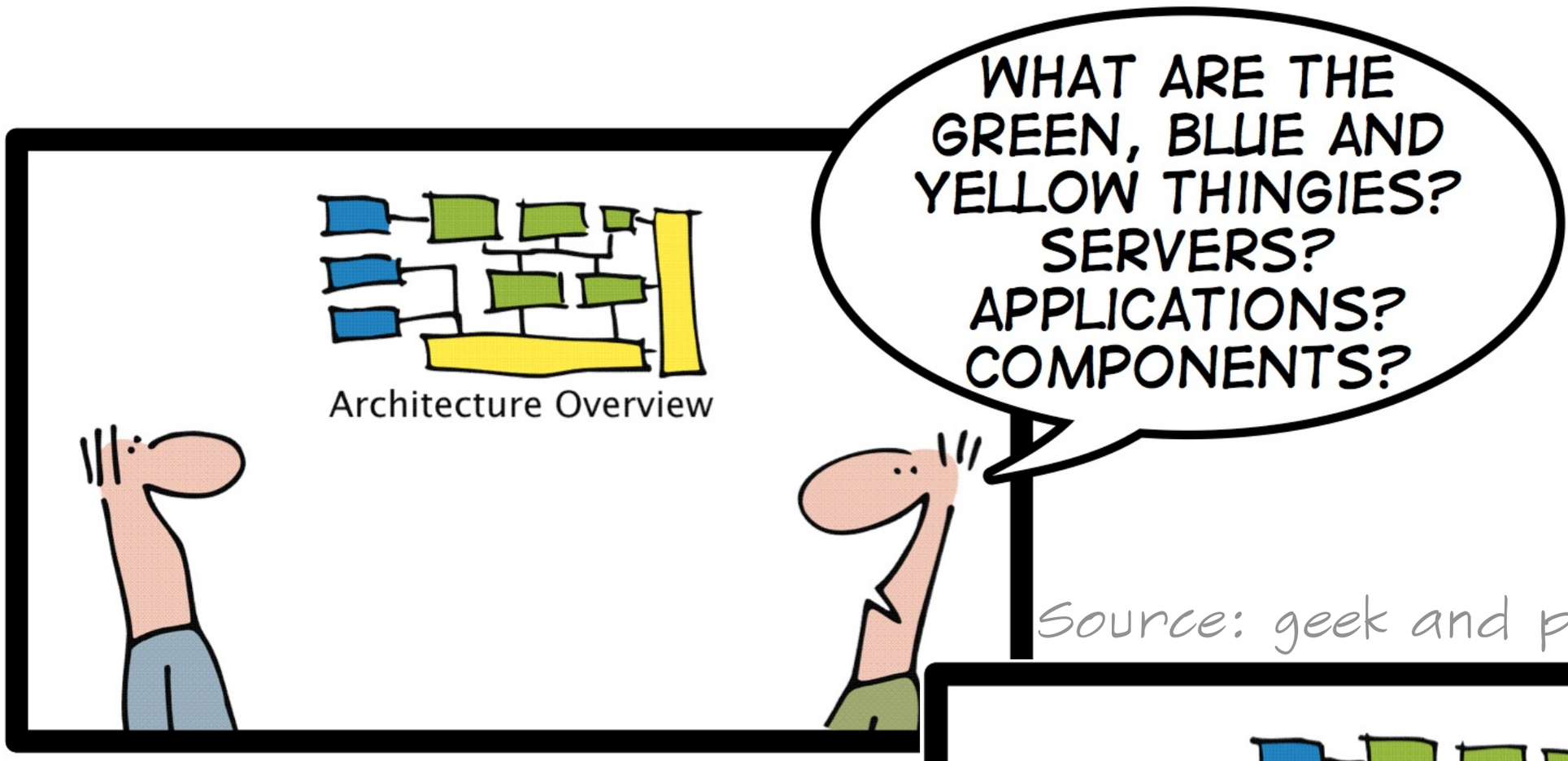
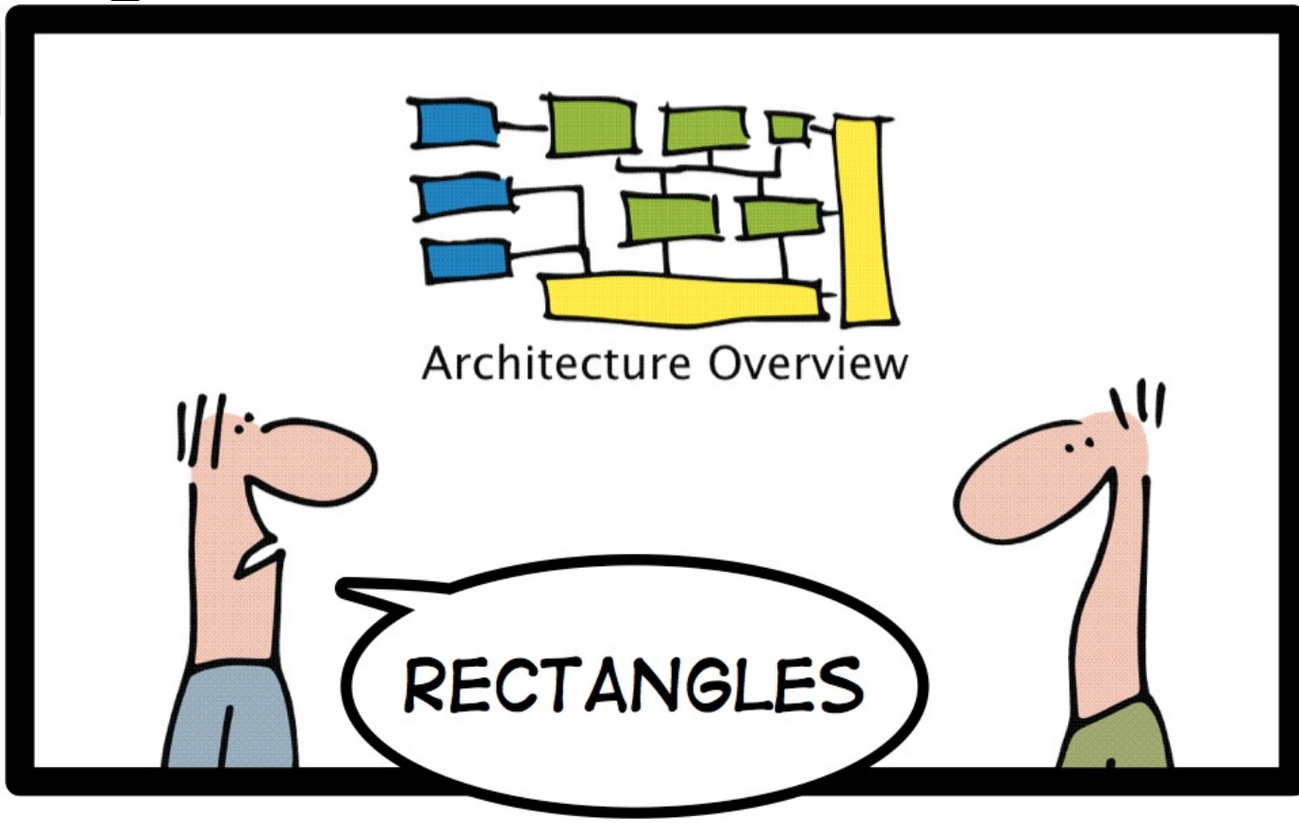
ENTEPRISE ARCHITECTURE MADE EASY



Source: geek and poke



PART 1: DON'T MESS WITH THE GORY DETAILS

Dependancies

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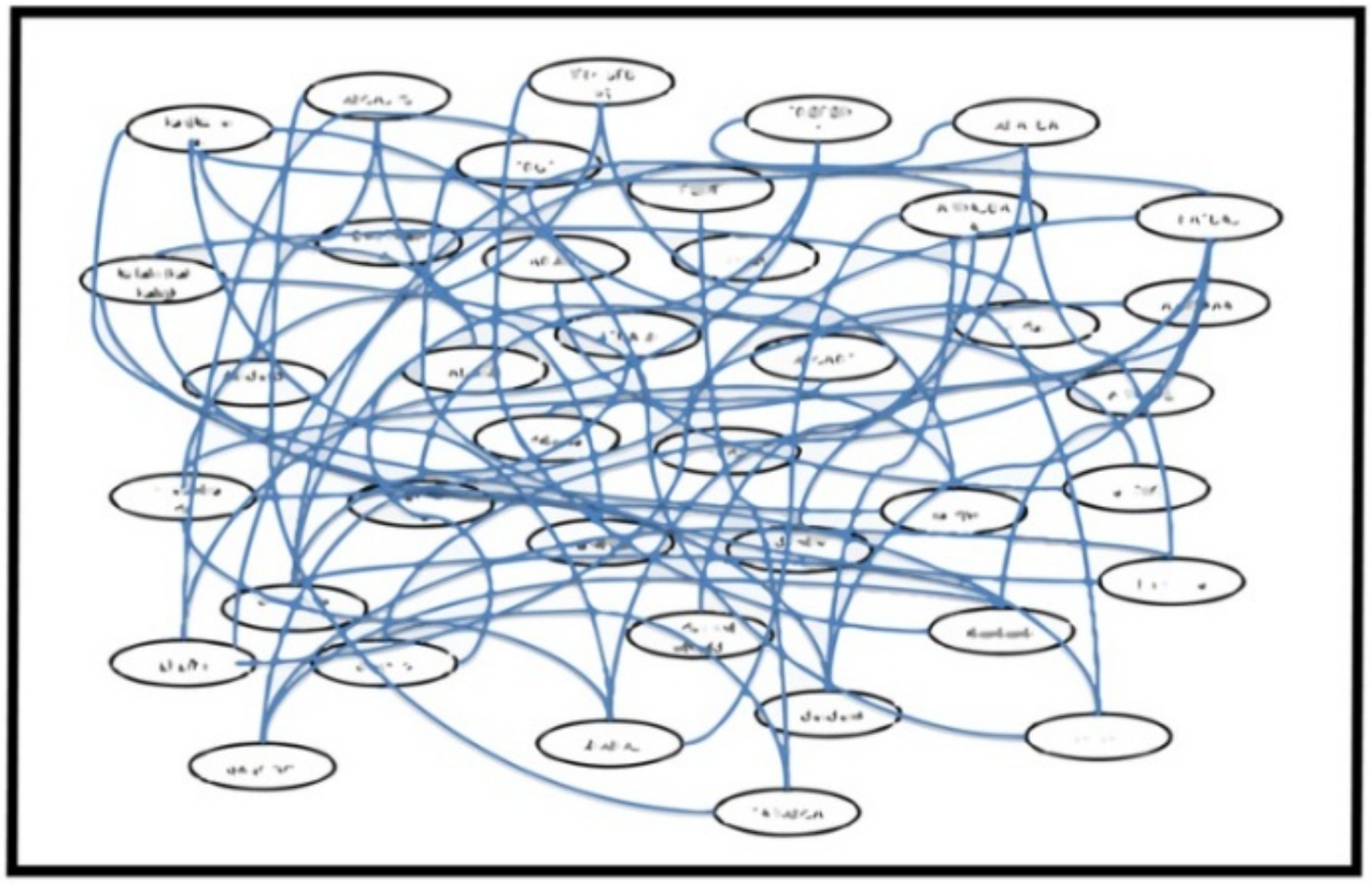

Source: geek and poke

tame the terminology

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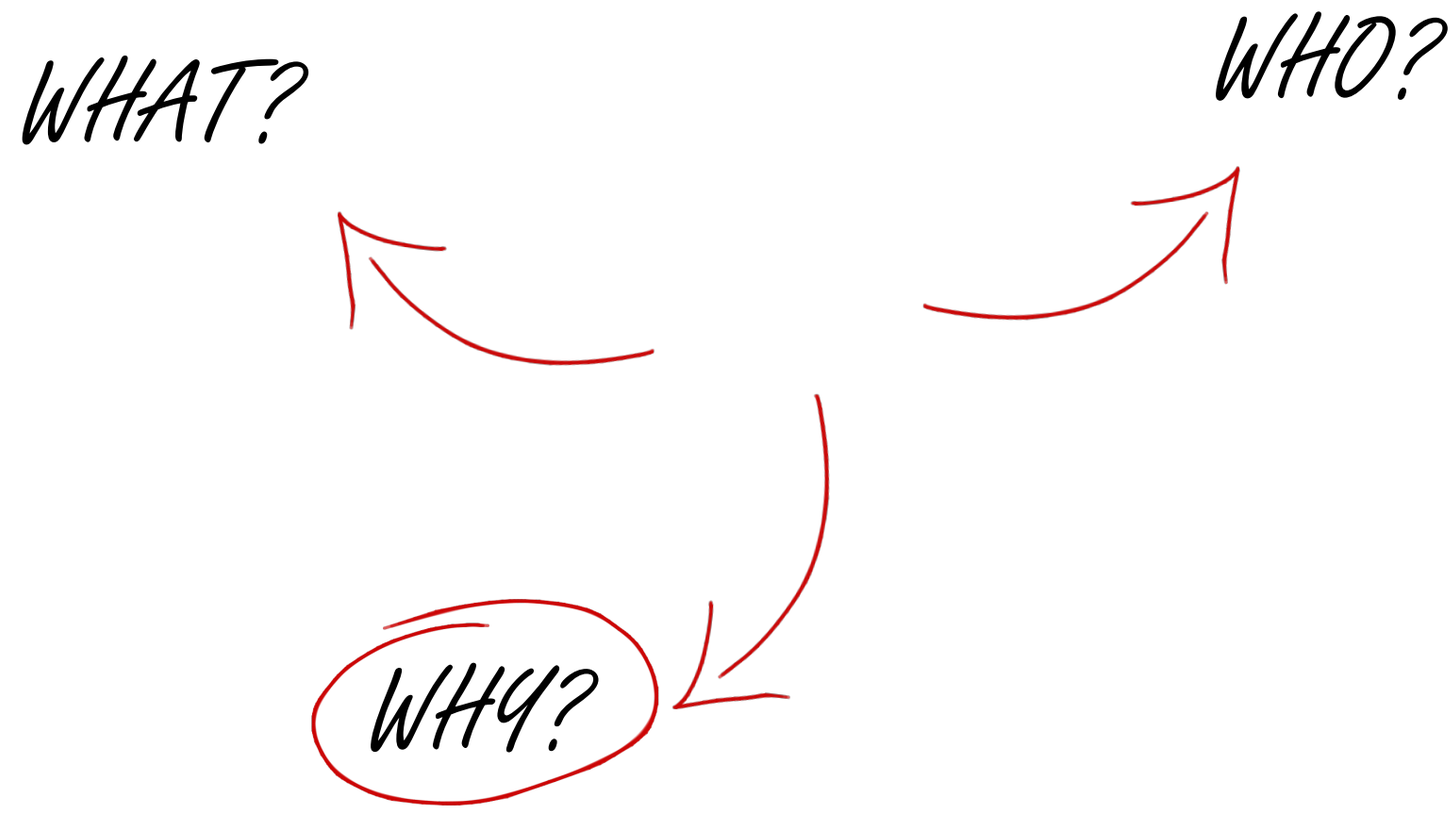
WHAT?
WHO?
WHY?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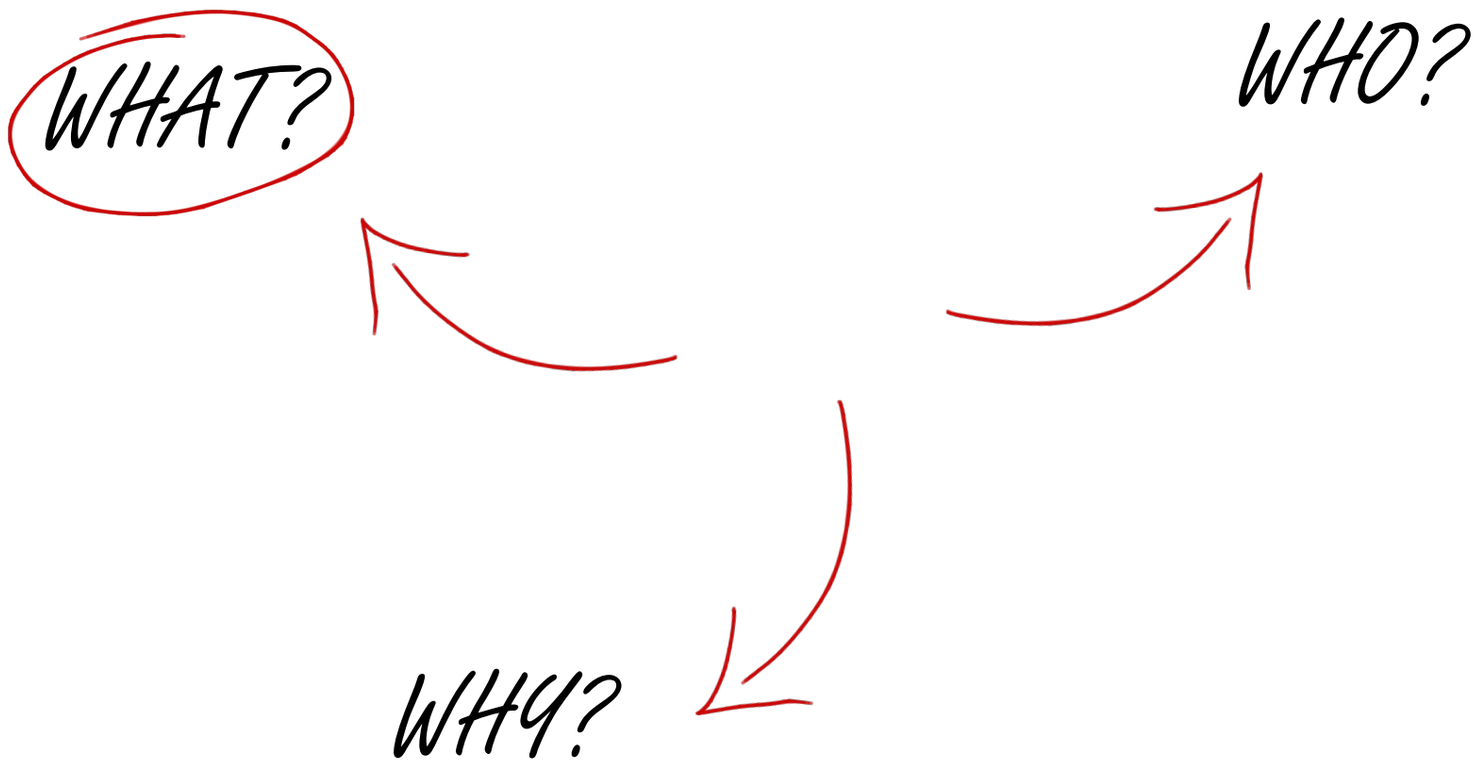
WHAT?
WHO?
WHY?

WHAT?
WHO?
WHY?

Use analogies!

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What is the business question I need answer for?

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Dictionaries

Frequency

Collisions

Data mapping

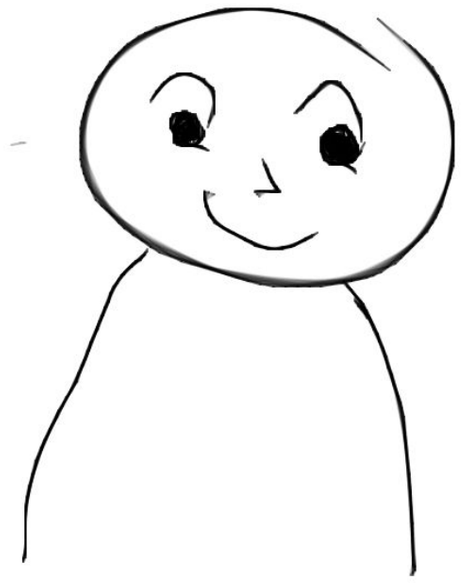
Integration

Failure strategy

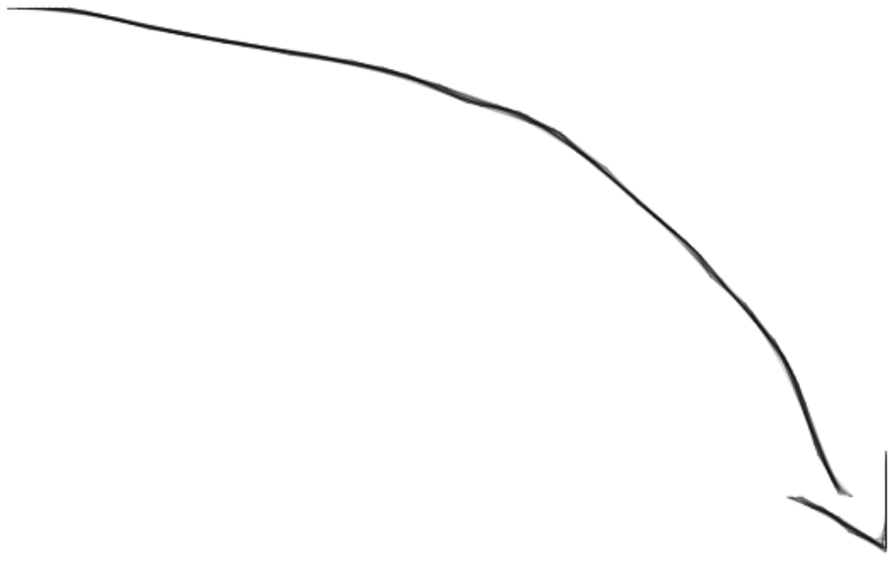
Event based

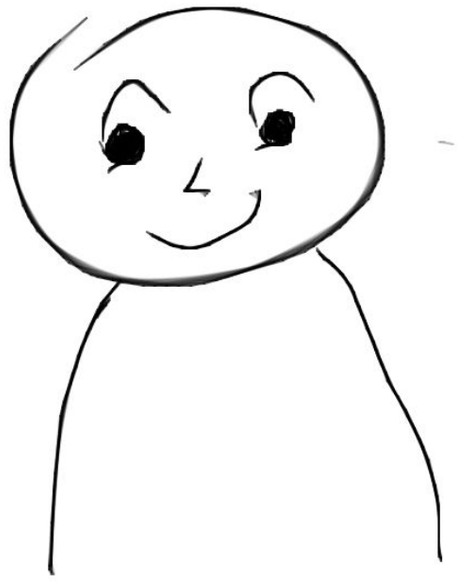
vs. scheduled

... other



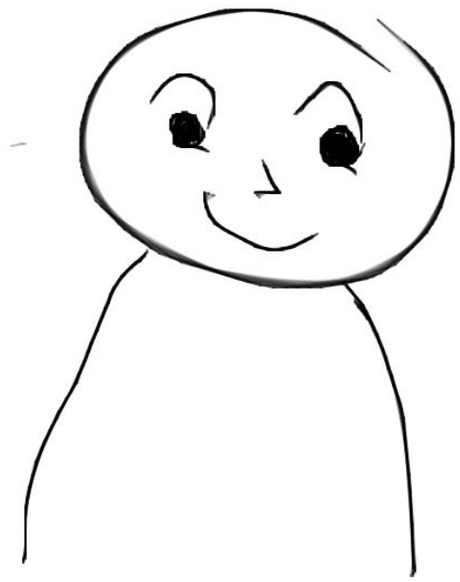
System A



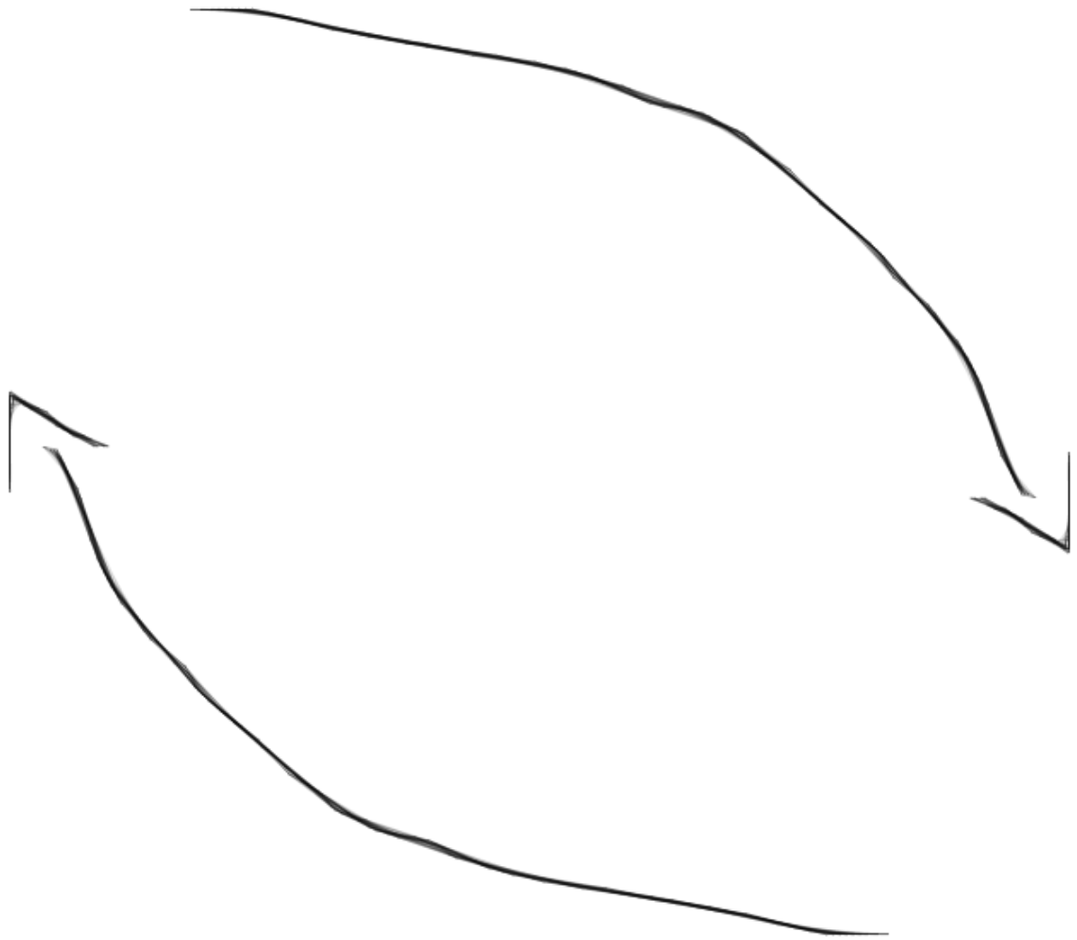


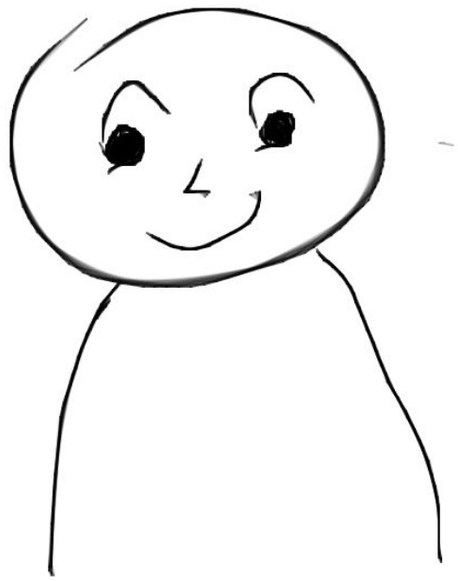
System B

@MrowcaKasia



System A





System B

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Convince to change

...refactoring

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What is core business process?

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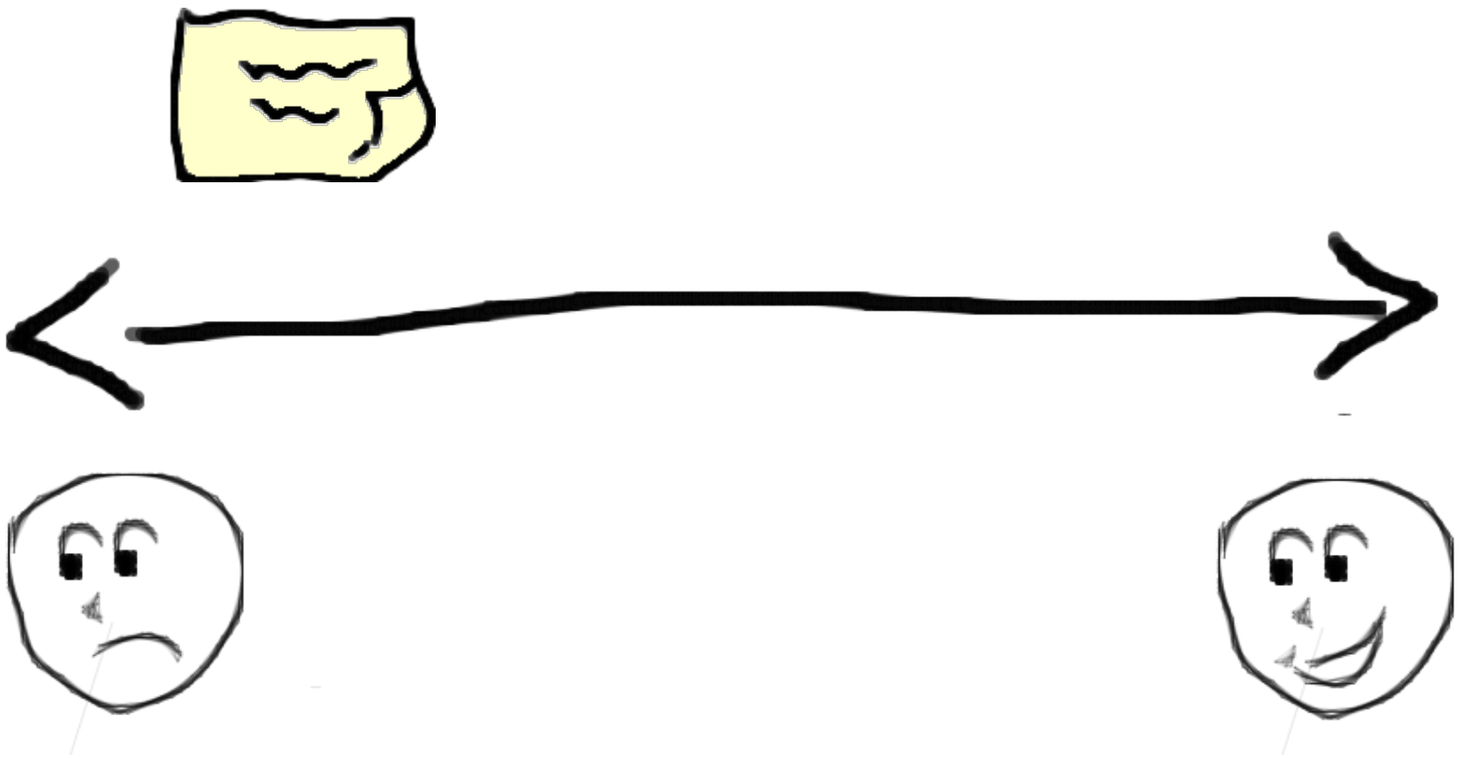
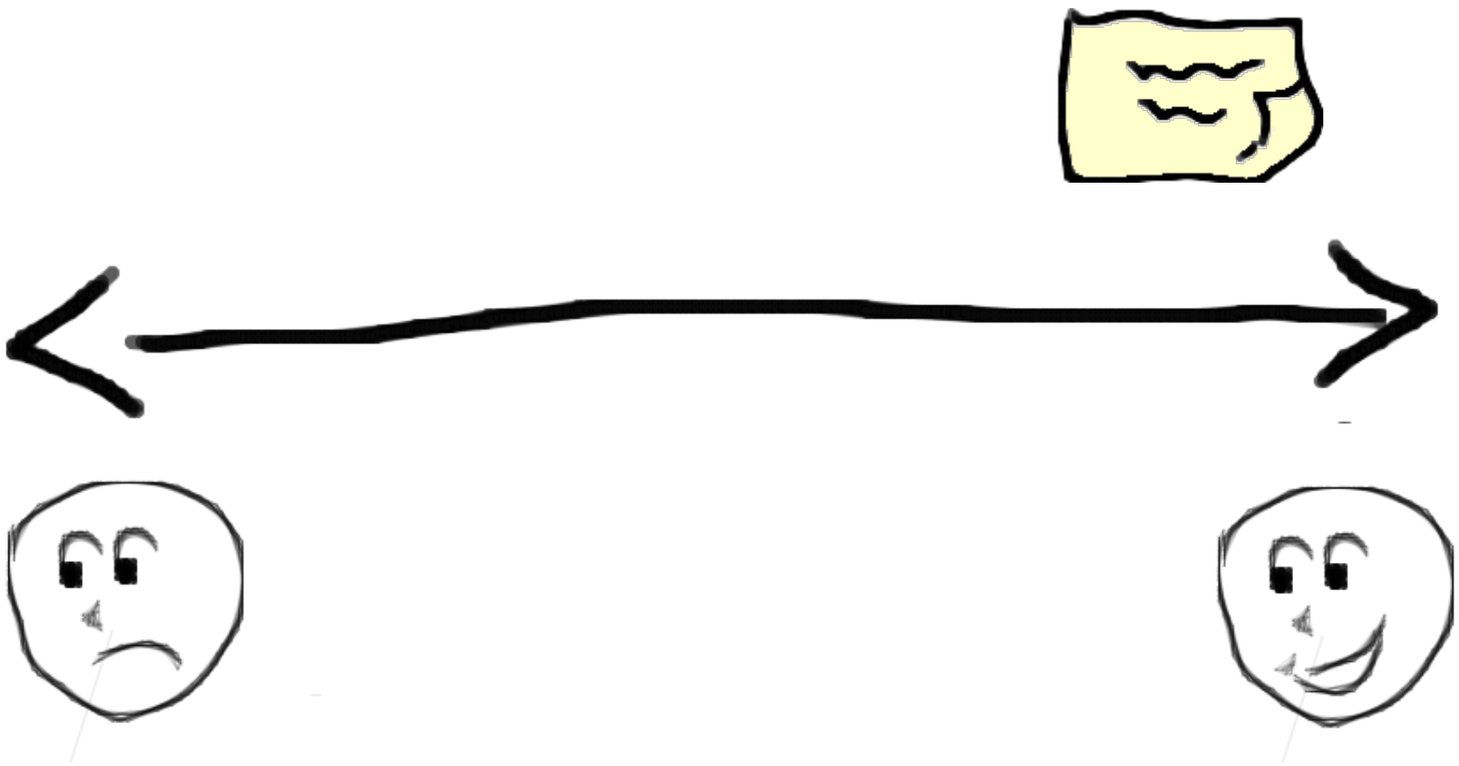
How refactoring will influence it?

How does the new feature influence the key business process?



How refactoring will influence it?



$$\infty \div 2 \approx \infty$$

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	Current	After Refactoring
Query response time	2s	40-60% less
Response loading on page	0,5s	30% less
Max number of rows	5	20% more

Automated tests

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Documentation

...it's outdated just after you finish it

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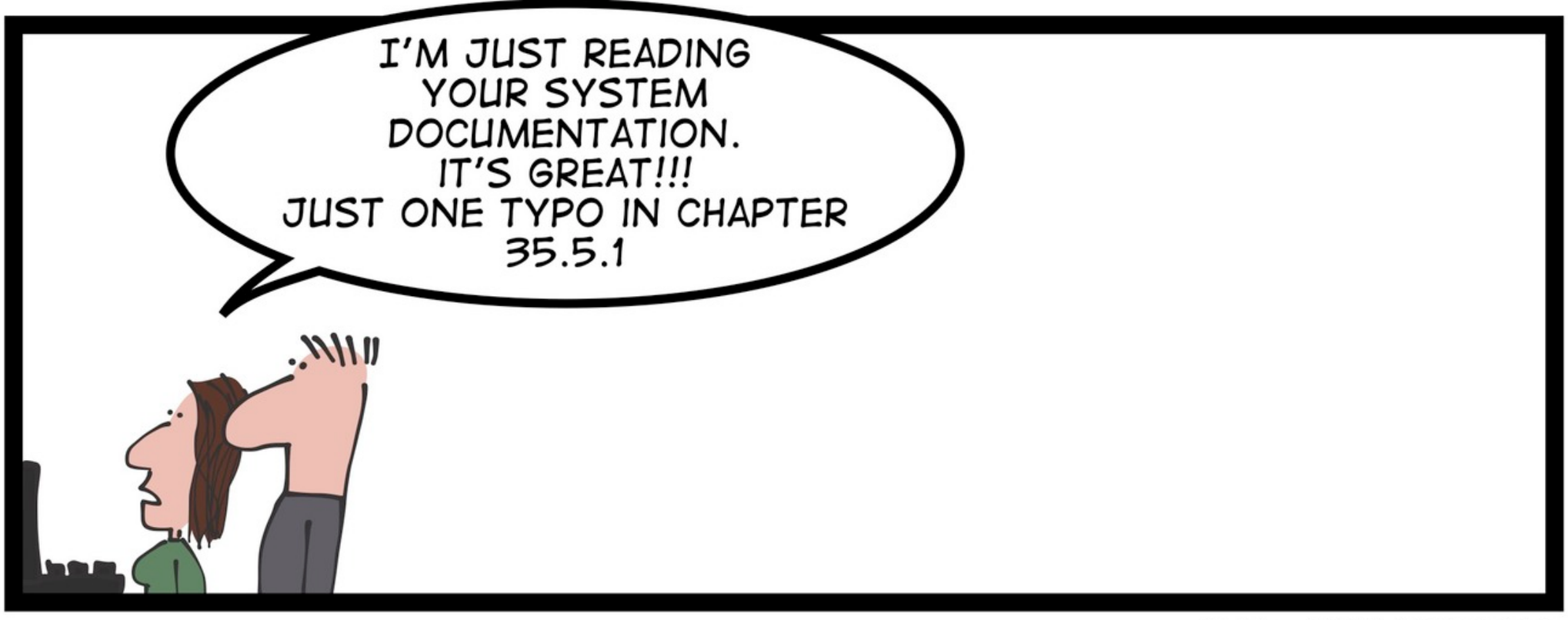

BE AWARE!!!

Source: geek and poke

SOMEBODY MAY ACTUALLY READ IT!

Conquer the fear

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Delete the code!

(unused part of the app)

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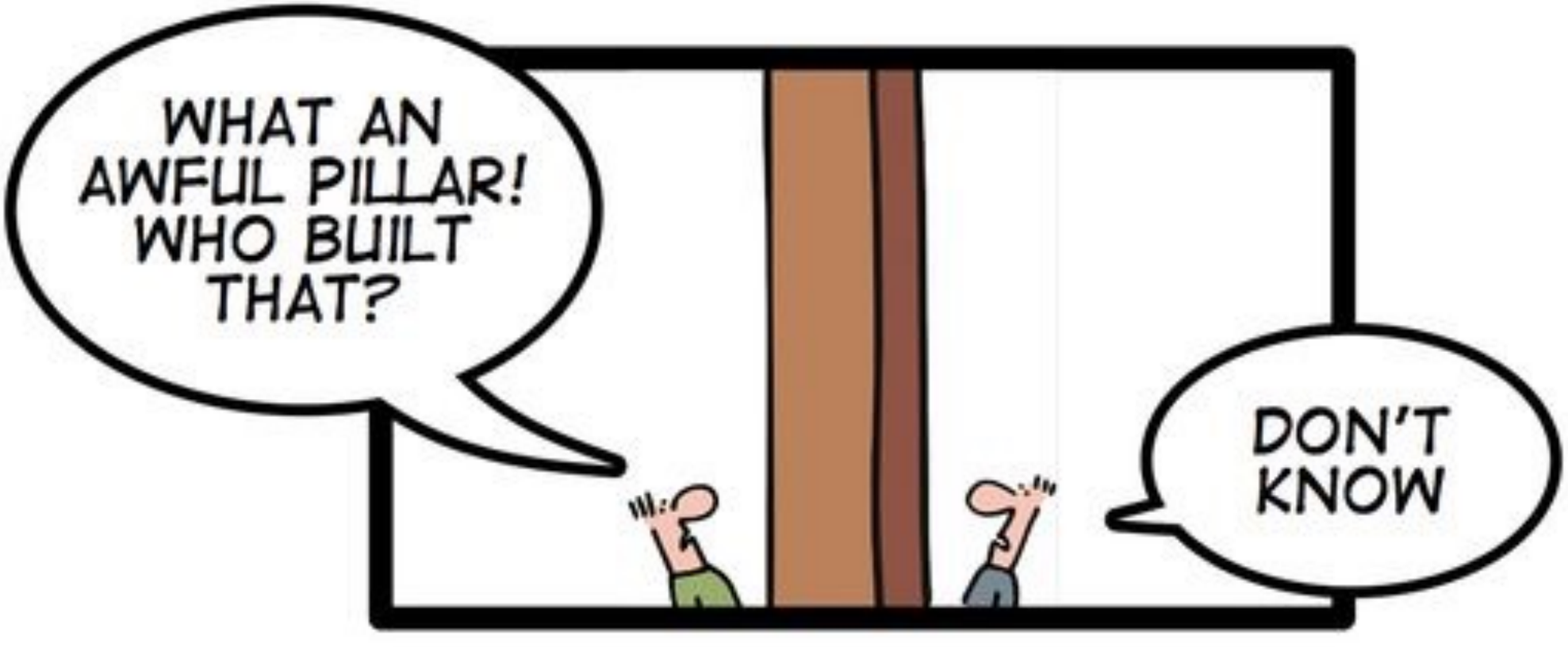

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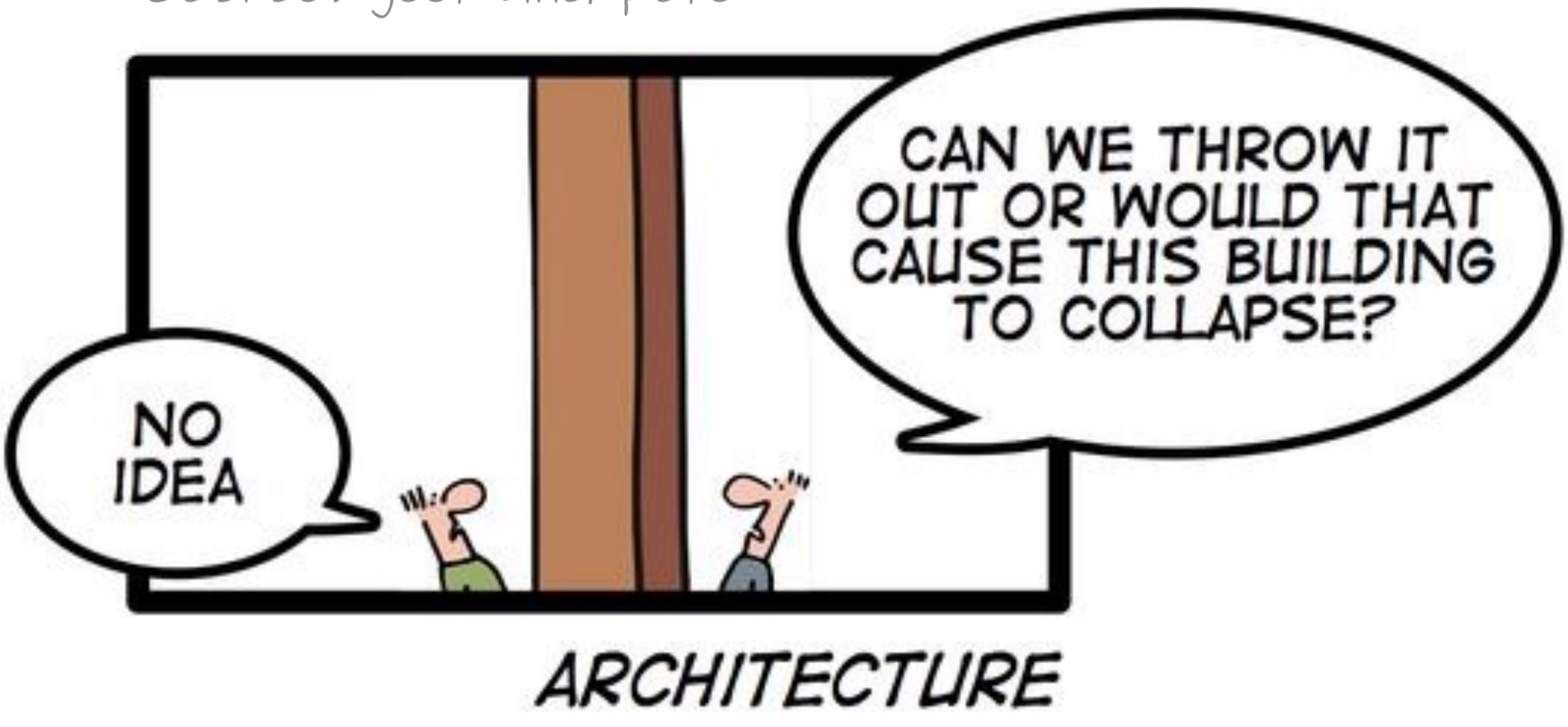

Uncertainty causes fear

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Uncertainty causes

fear

...let's measure upfront

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Uncertainty causes fear

...and use automatic tests!

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How?

- Identify what you can possibly 'delete'
- Measure use of the part that you want to remove
- Check dependancies
- Hide the part you want to remove and... wait
- Remove

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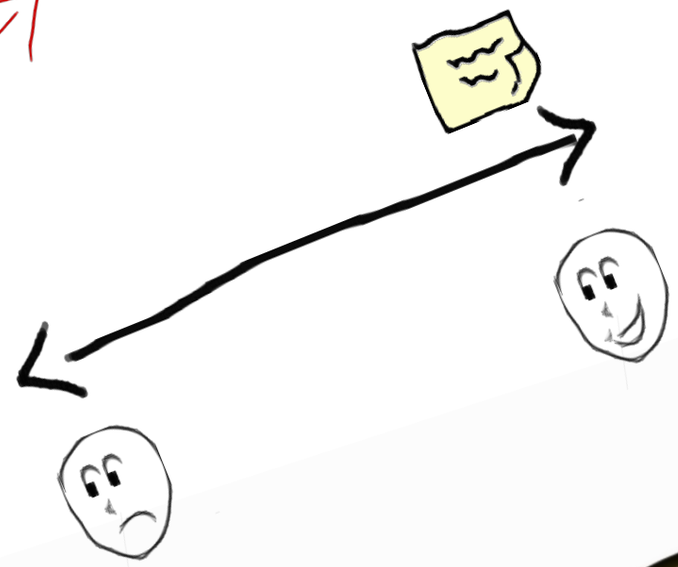
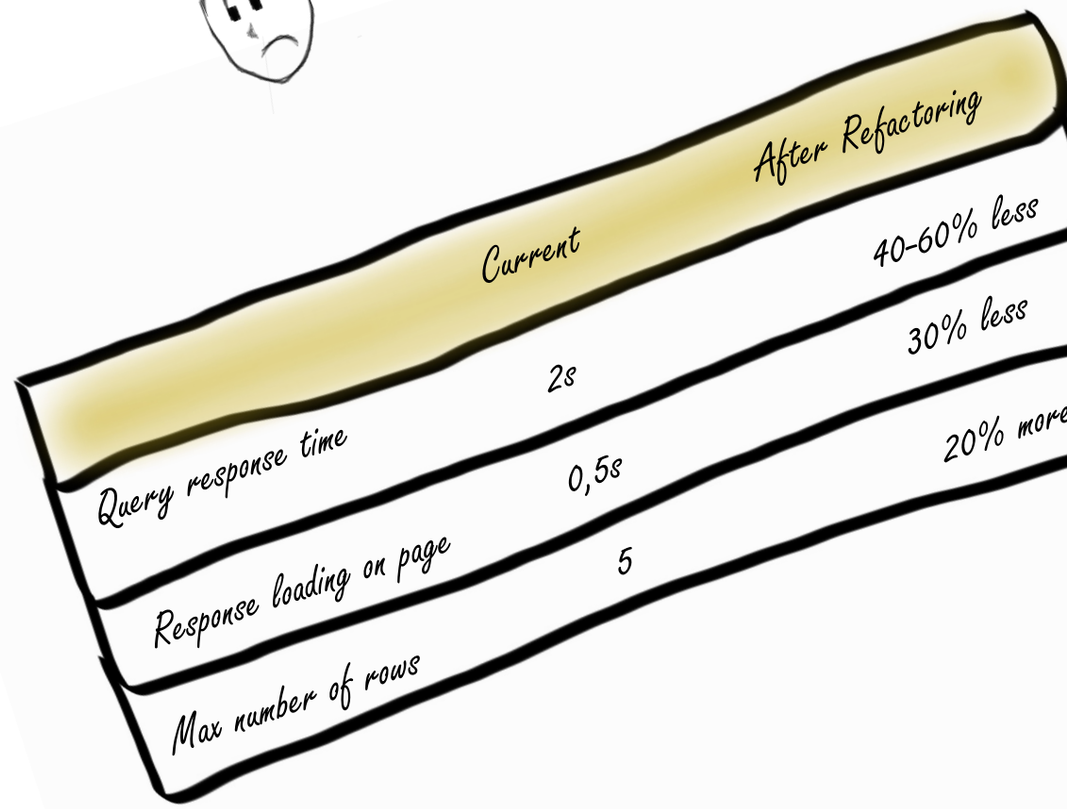
Wrap up





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Questions

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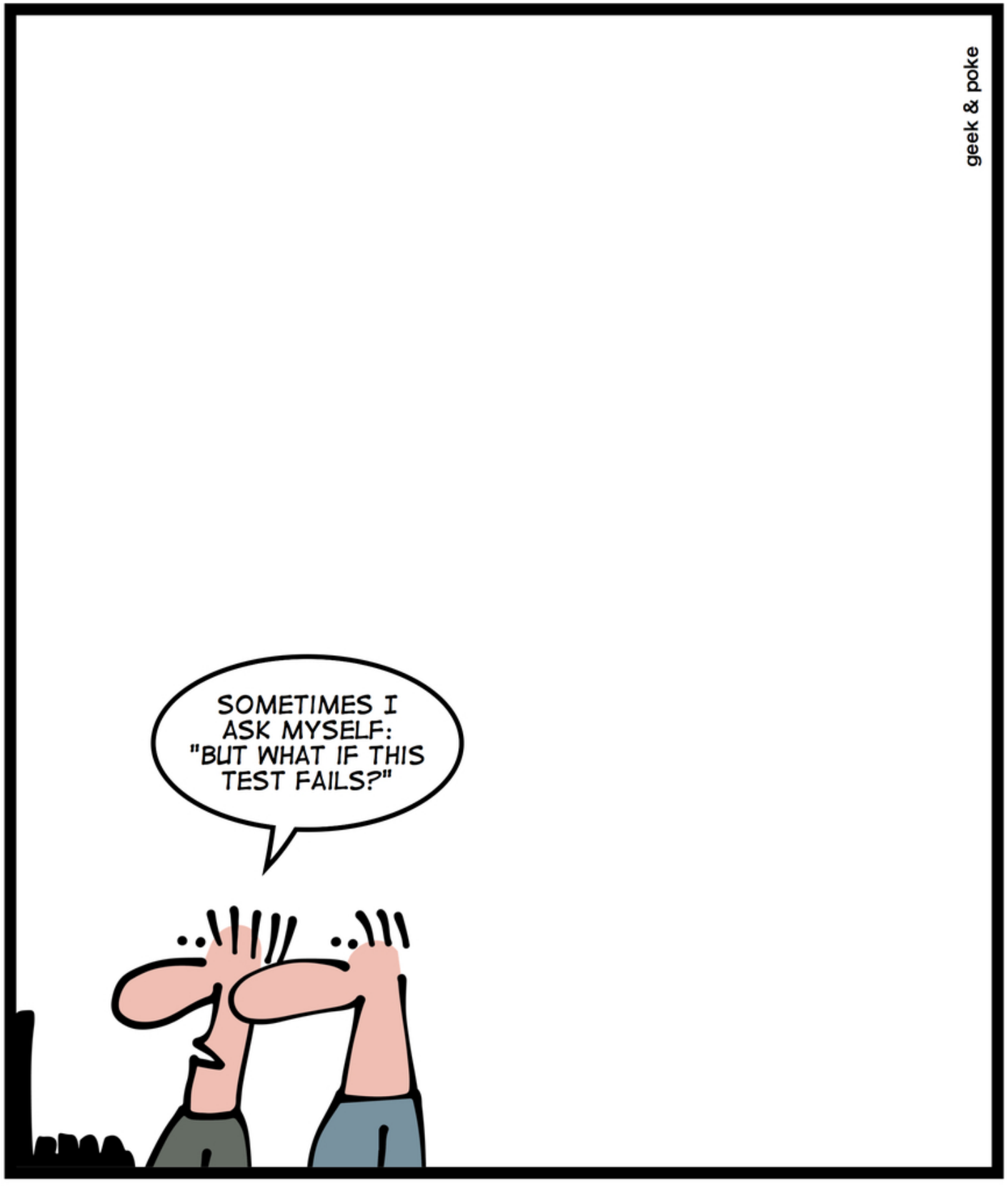
asia

PHILOSOPHISING GEEKS




```
assert(true);
```

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