

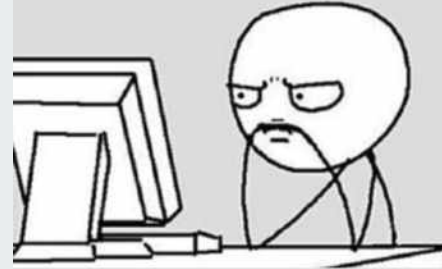


Simple Design

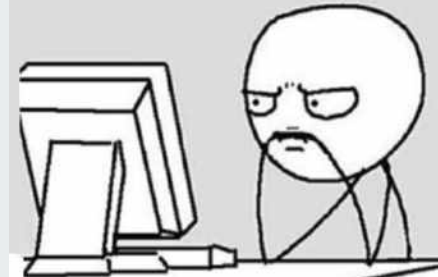
“Perfection is achieved, not when there is nothing more to add, but when there is nothing left to take away.”

- Antoine de Saint-Exupéry

It doesn't work..... Why?



It works..... Why?



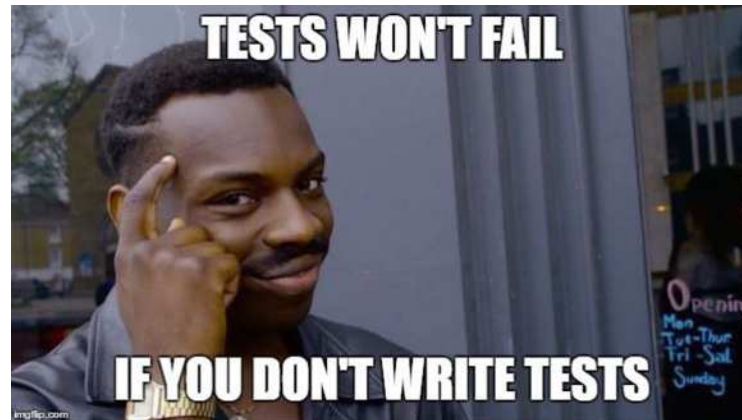


Passes All Tests

makes sure that the application works

pushes the design towards simple things

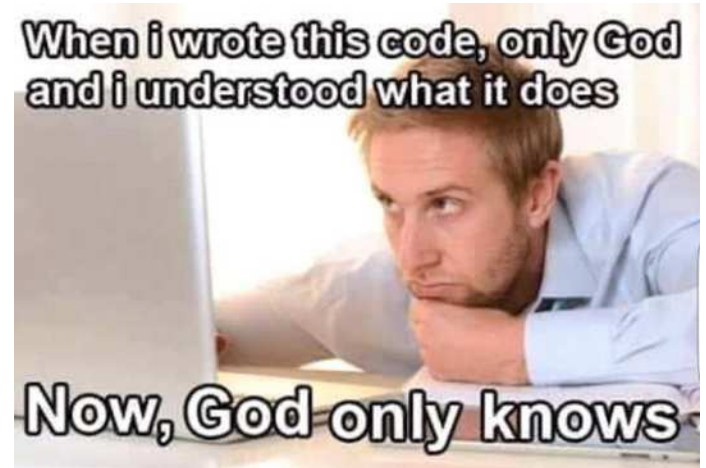
fast feedback



Reveals Intention

“Programs are meant to be read by humans and only incidentally for computers to execute.”

- Donald Knuth



No Duplication

“Everything should be said once and only once.”

- Kent Beck

this is more about duplication of knowledge,
not code duplication





Fewest Element

remove everything that doesn't serve
the first three rules

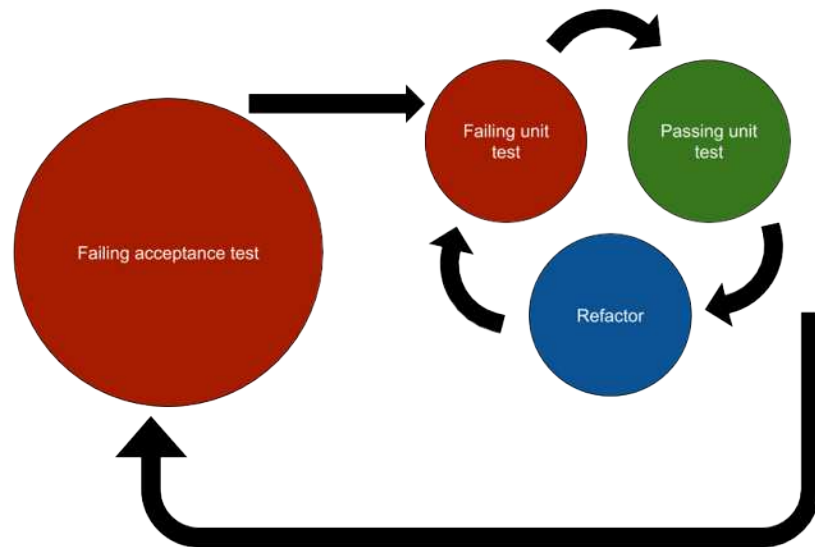
don't add elements to an architecture
to increase its flexibility for future
requirements.





Passes All Tests - how to

Outside-In TDD





Reveals Intention - how to

review after done writing

choose good names

keep everything small

challenge yourself

No Duplication - how to

rule of three

Don't Repeat Yourself (DRY) principle

one change in the requirement should only
affect one place in the code

```
FOR (I IN 1:100) {  
  PRINT("I WILL NOT USE LOOPS IN R")  
}
```



Fewest Element - how to

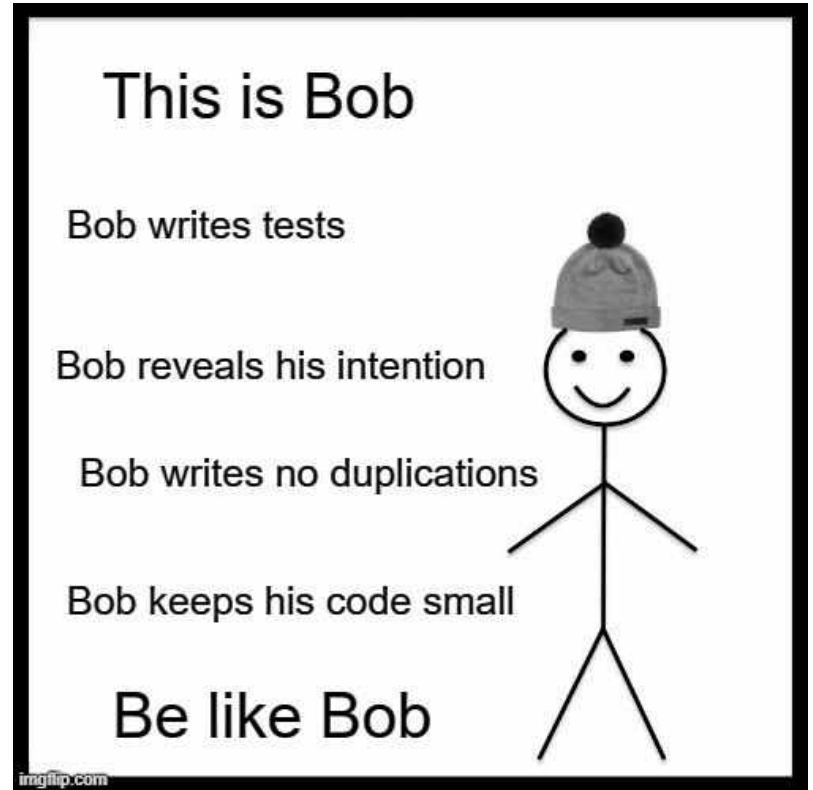
don't comment out code

delete unnecessary code

don't over-extract



Conclusion



Thank you for your attention!





Questions



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Credits

- <https://image.slidesharecdn.com/slidesharereneeprovincio-150609214730-lva1-app6892/95/rene-provincio-present-simple-12-638.jpg?cb=1433886868>
- https://cdn-images-1.medium.com/max/1024/0*TJFCDS9RdPHzCjEr
- <http://blog.ephorie.de/wp-content/uploads/2021/01/simpson-840x600.png>
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- <https://static.boredpanda.com/blog/wp-content/uploads/2017/12/funny-wenger-swiss-army-knife-amazon-reviews-2.jpg>
- <https://pbs.twimg.com/media/CpIUd8jXYAAtkvE.jpg>