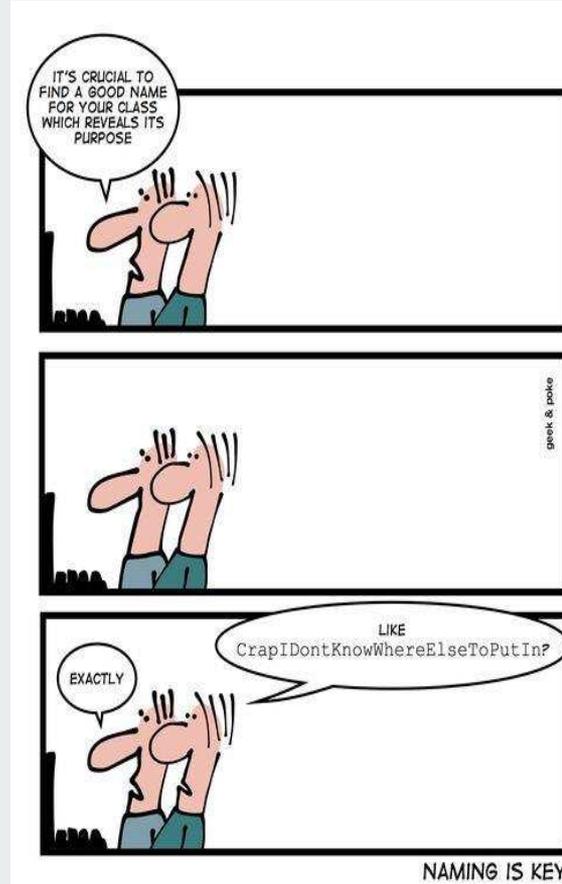


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# NamingUtilManager

“There are only two hard things  
in Computer Science: cache  
invalidation and naming  
things.”

- Phil Karlton





## Why is good naming relevant?

“The ratio of time spent reading (code) versus writing is well over 10 to 1 ...  
(therefore) making it easy to read makes it easier to write.”

— Robert C. Martin



## Why is it hard to find good names?

- There is no standard way to name your code parts
- We're all different and from different backgrounds
- Requires experience and many hours of code reading

It's a skill that requires a lot of practice!

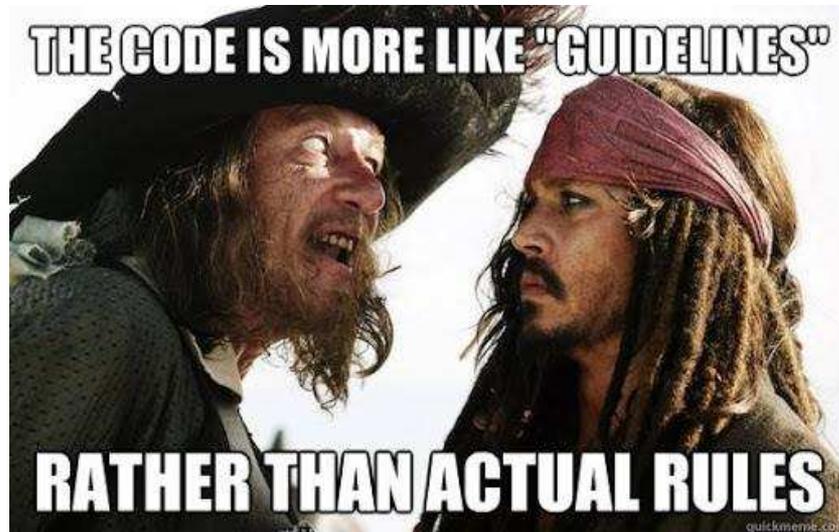


## Keep in mind while coding

- You are NOT the **only one** who reads the code
- Your **mood** is NOT related to the code you're writing
- **Humans** read your code, not computers
- **Read** your code **after** you write it

---

## Some rules to follow





## Meaningful

- Write the code with the feature or context in mind (deleted <-> terminated (contract))
- Make sure to avoid ambiguity

We had a situation, where we wanted to compare two contracts and if the terminated contact had the same contract number as any of the other contacts, the matching contract should be terminated as well.

**contract** changed to **terminatedContract**



## Meaningful Distinction

PersonDetail <-> PersonData <-> PersonInfo

What's the difference between detail / info / data anyway?!

contract <-> product

Refactored: we only use contract in our code.



# Nobody wants a tongue twister!

- Names should be searchable
- Names should be pronounceable

Actual name I found:

`BSCContractKvQuerySearchPoliciesForTerminationByInsuredPersonOut`



## Be Positive — `shouldNotShowIfDisabledIsFalse`

`shouldNotShowScreen`

->

`shouldShowScreen`

`isDisabled`

->

`isEnabled`

As humans, we have a better understanding of the positive approach.



## Conclusion

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

- Donald Knuth



# Credits

- <https://medium.com/wix-engineering/naming-convention-8-basic-rules-for-any-piece-of-code-c4c5f65b0c09>
- <https://hilton.org.uk/blog/why-naming-things-is-hard>
- <https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.pinterest.com%2Fpin%2F315040936404658340%2F&psig=AOvVaw0hKx7taYnKmHFHhSLB0wyh&ust=1617281523968000&source=images&cd=vfe&ved=0CAIQjRxqFwoTCJDYj6rJ2u8CFQAAAAAdAAAAABAO>
- [https://www.google.com/url?sa=i&url=http%3A%2F%2Fwww.quickmeme.com%2Fmeme%2F36d2ks&psig=AOvVaw3x-yRpd\\_OmgG4QcC8ryaJf&ust=1617289524953000&source=images&cd=vfe&ved=0CAIQjRxqFwoTCJD\\_tpLn2u8CFQAAAAAdAAAAABAO](https://www.google.com/url?sa=i&url=http%3A%2F%2Fwww.quickmeme.com%2Fmeme%2F36d2ks&psig=AOvVaw3x-yRpd_OmgG4QcC8ryaJf&ust=1617289524953000&source=images&cd=vfe&ved=0CAIQjRxqFwoTCJD_tpLn2u8CFQAAAAAdAAAAABAO)