

Only one level of indentation per method

WHY?

- Reduce complexity
- Easier to understand
 - Easier to read

HOW?

- Make it simpler
- Split up the method

Don't use the ELSE keyword

WHY?

- Reduce complexity
- Reduce duplication

```
function printSeat(ticketCode) {
  if(ticketCode.startsWith("A") || ticketCode.startsWith("B") {
    printVipSeat();
  } else {
    printBasicSeat();
  }
}
```

HOW?

- Early return
- Polimorphism



```
function printSeat(ticketCode) {
  if(ticketCode.startsWith("A") || ticketCode.startsWith("B") {
    return printVipSeat();
  }
  return printBasicSeat();
}
```

Wrap all primitives and strings

WHY?

Represent the real world

```
const kilometer = 1;

const meter = kilometer * 1000;
```



Wrap them in a class

```
class Distance {
  constructor(value, unitType) {
    this._value = value;
    this._unitType = unitType;
  }
const kilometer = new Distance(1, "kilometer");

const meter = kilometer.toMeter();
```

First class collections (wrap all collections)

WHY?

- Represent the real world
- Behaviors at the right place

HOW?

Wrap them in a class

Only one dot per line

WHY?

- More readable
- Less knowledge to enable a behavior

dog.Body.Tail.Wag()

HOW?

Wrap them in a class

dog.ExpressHappiness()

No abbreviations

WHY?

- Less confusing
- More understandable

HOW?

Meaningful names

Keep all entities small

WHY?

- Focused on one thing
 - Easier to reuse
- Easier to understand

HOW?

Use the Object Calisthenics rules

No classes with more than two instance variables

WHY?

- Cohesion won't decrease
- Separate the responsibilities
 - Simpler classes

HOW?

Wrap them in a class

No public getters/setters/properties

WHY?

- Cohesion won't decrease
 - Reduce duplication

HOW?

- Meaningful methods
 - Tell, don't ask

Why should we follow the rules?

- Simpler code
- Easier to read and understand
- Easier to maintain
- Easier to test

"Always code as if the guy who ends up maintaining your code will be a violent psychopath who knows where you live"

— John Woods

References

 https://medium.com/@davidsen/clean-code-objectcalisthenics-f6f4dec07c8b



