SCALA pour Java(script) Programmers

Alex Poovathingal

Gozefo.com

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Introduction

- SCALA - Standardisation du Code Á LA pour Java(script) Programmeurs

Disclaimer - This talk contains unsolicited advice on programming standards*. The author does not claim to have followed these all his life and shall not be held liable for any issuesof whatever nature which may arise as a result of following these advices.
* Not Really!!

Useless Documentation

```
/**
* Created by alex on 25/3/16.
*/
public class SomeNounDao.java {
}

/**
* Do something after this other thing
*
* @param randomObject Random Object
* @param userId     User Id
* @return Boolean
*/
public Boolean doSomethingAfterThisOtherThing(
        RandomObject randomObject,
        String userId) {
}
```

Better Programming Constructs

- Loops considered harmful
- Maps, ForEach, Times, Filters For a Better World
- No more arrayLists or arrays

A world without Nulls

Before

```
SomeObject k = a.getSomething();
// Code continues for ever without another usage of a
```

After

```
SomeObject k;
if (a != null) {
    k = a.getSomething();
}
// Code continues for ever without another usage of a
```

Readable Tests

- Prerequisite - write tests

Over engineering

- Not everything needs to scale (Most things doesn't need to scale).
- Readability vs Scalability

Tech Debt

- Tech Debt is real(Based on true story)
- Less lines of code = Less number of lines which could be buggy
- Style checks
- If without an Else

Standardize Namings

- pid, whProductId, productId, reference
- Unique ids (Not very sure)

Functions Functions Functions

- There is a thing called function
- Number of exist points
- Pure functions
- Functions returns null

Buddha's Catch

- Don't make one which catches everything
- Exceptions face existential crisis - they should exist, they need purpose.

Clean Dao Classes

- Bug Free (Citation needed)
- Joins are like callbacks in javascript (I promise, but I don't insist)
- Return full Object instead of fields

Enum driven programming

- To remove magic numbers
- Clean data
- All special rules at one place
- Ability to find all usages

Unrelated rants

- Language specific to audience - We pay good rent for warehouse. It should be strong enough!
- Production Issue - Seriousness

Any more points?