# Go For Frontend Developers

Gophercon India 2015



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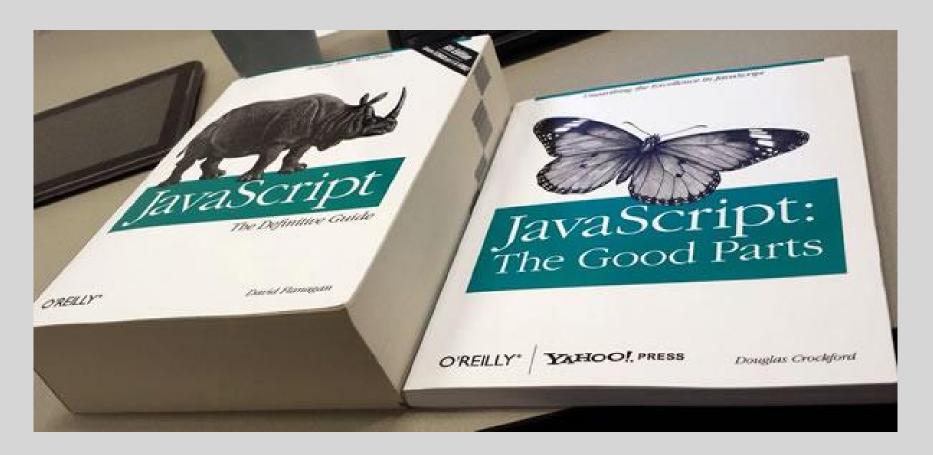
- Front End Developer
- I just started learning Go.
- Thats not my dog.

# Go is a better designed language than JS.





ANTIE CODE IN LAWAS CERTET



http://www.globalnerdy.com/2014/08/11/techie-amusements/

If a [language] feature is sometimes useful and sometimes dangerous

and there is a better option then

always use the better option.



Functions

Object Literals

Dynamic Typing (but not the ==)

http://i.imgur.com/OUng3AM.jpg

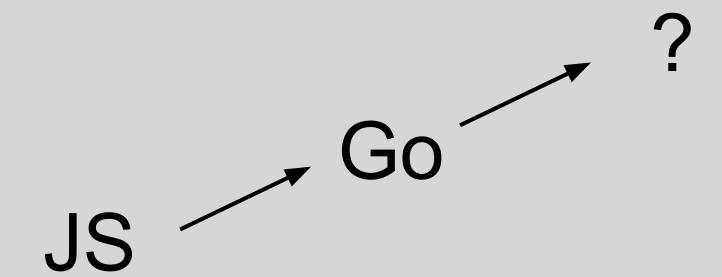


Easily Declared Globals

- Everything is in the same space
- this...what is this!?!



http://imgur.com/gallery/H6Veq2V



# Like JavaScript...

Functions are first class

Lexical Scoping (with blocks)

Closures

Easily create methods

#### **But Different...**

```
1 package main
 3 import "fmt"
 5 func Repeat(a string, b int) string {
           result := ""
           for i := 0; i < b; i++ \{
                   result += a
           return result
12 }
13
14 func main() {
           fmt.Print(Repeat("Hello", 3))
16 }
```

HelloHelloHello Program exited.

```
3 import (
           "errors"
           "fmt"
  func Repeat(a string, b int) (string, error) {
 9
           result := ""
           if b < 1 {
10
11
                   return result, errors.New("Must repeat atleast once")
12
13
           for i := 0; i < b; i++ \{
14
                   result += a
15
16
           return result, nil
17 }
18
19 func main() {
           fmt.Println(Repeat("Hello", 3))
20
```

```
5 func Concat(words ...string) string {
             result := ""
             for _, word := range words {
                     result += word
            return result
  11 }
  13 func main() {
  14
            fmt.Println(Concat("Hello", " ", "Gophers"))
  15 }
 Hello Gophers
function Concat () {
 var result = '',
     length = arguments.length;
 for (var i = 0; i < length; i++) {
   result += arguments[i];
 return result;
```

console.log(Concat('Hello', ' ', 'Gophers!'));

#### **More Likes**

Async and Concurrency

- Garbage Collection
- Error Handling

• go fmt

#### **More Differences**

Static Typing

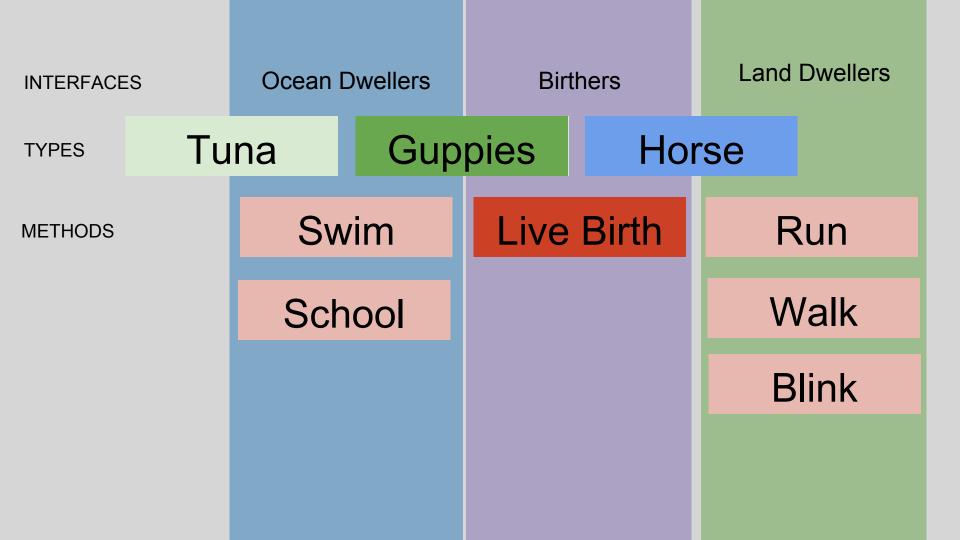
Compiler Errors and Compiling

Packages

## **Both Want to Improve Inheritance**

Prototypical Inheritance

**Composition** interfaces



# Composition in Go is safe, comfortable and explicit.

# ex·plic·it

/ik'splisit/ ◆)

adjective

stated clearly and in detail, leaving no room for confusion or doubt.
 "the speaker's intentions were not made explicit"

synonyms: clear, plain, straightforward, crystal clear, easily understandable; More

# ex·pres·sive

/ik'spresiv/ ◀)

adjective

effectively conveying thought or feeling.

synonyms: eloquent, meaningful, demonstrative, suggestive More

conveying (the specified quality or idea).
 "the spires are expressive of religious aspiration"

### "Go seems great, but like its so opinionated."

- Anonymous Coworker

#### Resources

- golang-book.com
- golangbootcamp.com

- gophers.slack.com
- golang.org
- gophervids.appspot.com