



PiratesCode

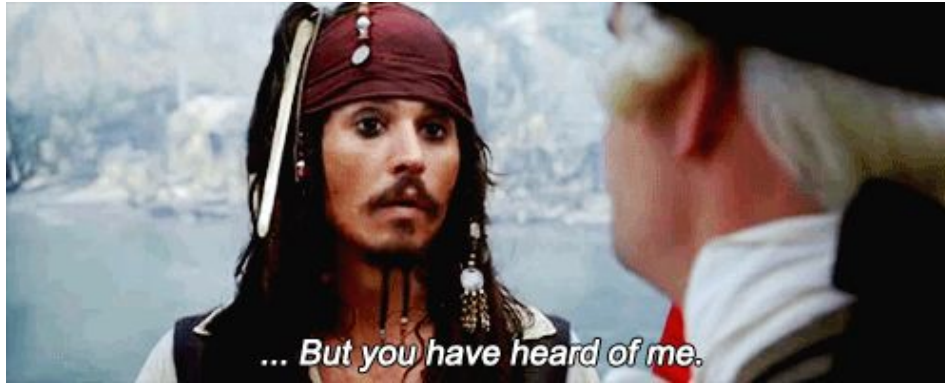
Jason Douglas, Maya Epps, Tanya Nobal, Saad
Salman, Jennifer Siao



Pirates? In my Code?



- Inspired by pirates of yesterday
- A fun way to learn coding



Meet the crew...

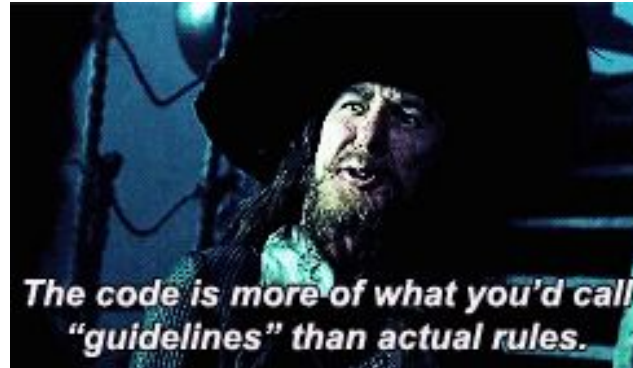


Scurvy Features



Object oriented

Static typing



Everything is
natively private

Extremely rude but
detailed error
messages

Type inference

Scurvy Types and Data Skeletons



JavaScript Type	Scurvy Type
boolean	booty
string	shanty
Number	doubloon
Number	int
Object	loot

Data Structure	Data Skeleton	Swashbuckling syntax
Array	Ledger	[type]
Dictionary	Map	{type, type}



Basic Voyage Examples



Loops

```
vargh pirates = [1, 4, 3, 4, -1]
chase vargh p through pirates {
  yo p < 0 {
    ahoy "invalid pirate!"
    maroon
  } yo ho p % 2 == 1 {
    ahoy "found an odd pirate!"
    ahoy p
  }
}
parrot aye {
  ahoy "polly wants a cracker!"
}
```

Ships

```
ship Rectangle {
  build (doubloon h, int w) {
    doubloon me.height = h
    int me.width = w
  }
  captain getWidth() -> int {
    anchor me.width
  }
  captain setWidth(int newWidth) -> none {
    me.width = newWidth
  }
}
Rectangle p = new Rectangle(3,4)
ahoy p.getWidth()
p.setWidth(15)
```





THANKS!

Any questions?

You can find us on GitHub at

<https://github.com/jasoncd31/PiratesCode>