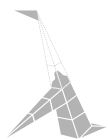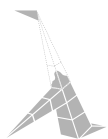FOUNDATION

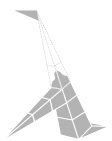# 1. What are the essential concepts in functional programming?

1. What are the essential concepts in functional programming?

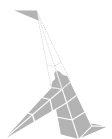Why FP matters to you, your colleagues and your business?

2. How to use Scala features to implement functional programming?
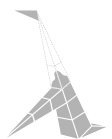
Trainer

- 10 year Backend developer

- 5 year in-house FP/Scala training

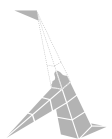- Contributors of several FP libraries

Prerequisites

- Some familiarity with Scala syntax

- Bonus: experience with Java/JVM

Out of scope

- How to build a complete FP application

- Library specific API

- Scala/JVM low level optimisations

Course main features

Original diagrams

FUTURE

1. CREATE YOUR FUTURES

2. WIRE THEM TOGETHER

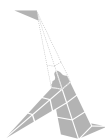3. OOPS! SEEMS LIKE WE FORGOT SMTH

IO

1. CREATE YOUR IOS

2. WIRE THEM TOGETHER

3. PROFIT!

Type hierarchy

Course main features

Original diagrams

Lots of exercises (100+), including answers and tests

```
[info] - concurrentMap2
[info] - evalOn - async
[info] - map
[info] - flatMap
[info] - attempt
[info] - retryOnce
[info] ScalaTest
[info] Run completed in 3 seconds, 89 milliseconds.
[info] Total number of tests run: 105
[info] Suites: completed 6, aborted 0
[info] Tests: succeeded 105, failed 0, canceled 0, ignored 0, pending 0
[info] All tests passed.
[info] Passed: Total 105, Failed 0, Errors 0, Passed 105
[success] Total time: 4 s, completed 17 Mar 2020, 11:07:19
sbt:foundation> █
```
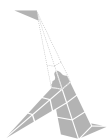
Course main features

Original diagrams

Lots of exercises (100+) with tests and answers

Online community ready to answer your questions

Contact

Twitter: https://twitter.com/TheFpTower

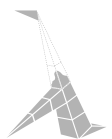Chat: https://fp-tower.slack.com/
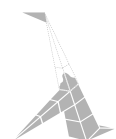
Sponsoring: https://www.patreon.com/julien_truffaut

Email: info@fp-tower.com

[Module 1: Function](#)