

Adopting Scala

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@jamanifin



pluralsight 
hardcore dev and IT training



Adopting Scala

Module Introduction

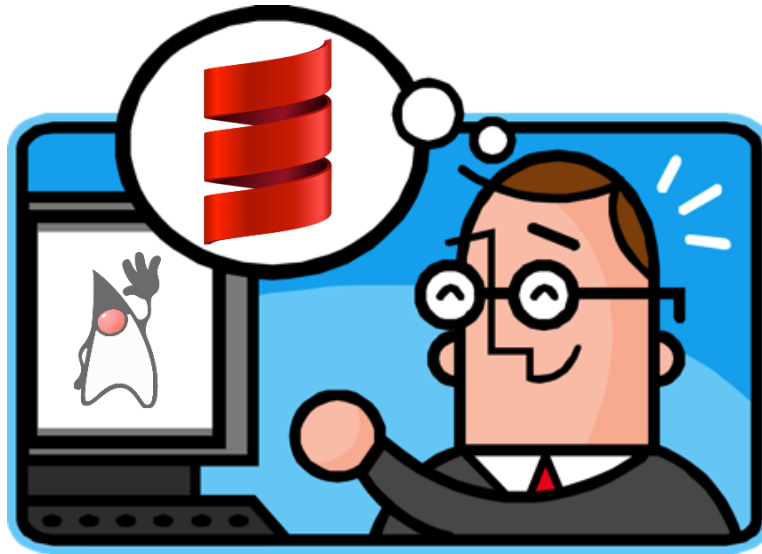
- My Experiences
- What to Expect
- Strategy Tips
- Concrete Tips

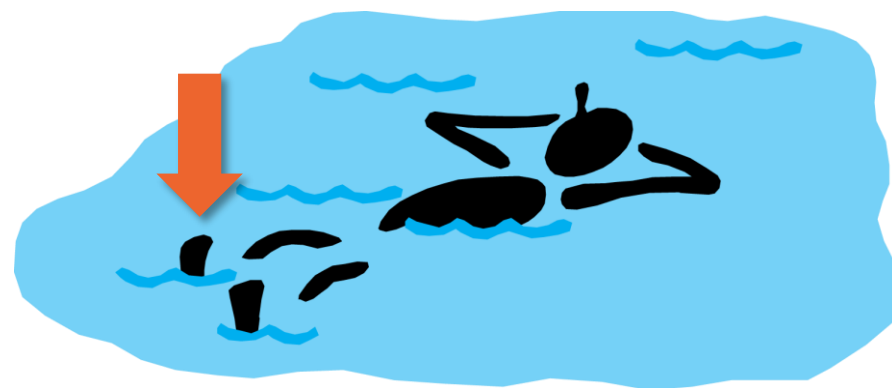
Module 1e4

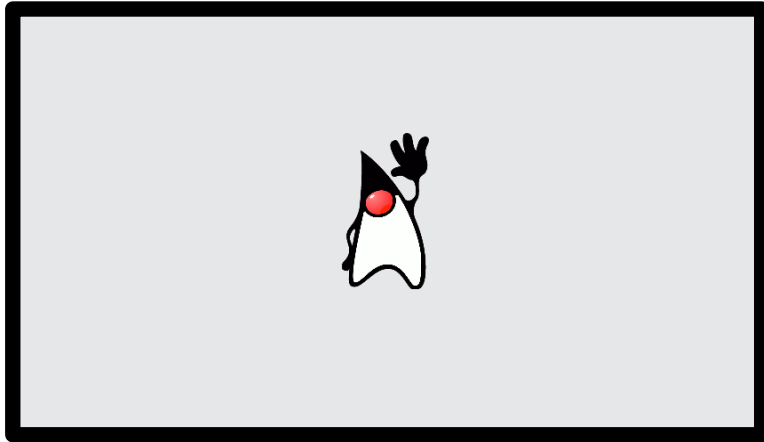
Adopting Scala

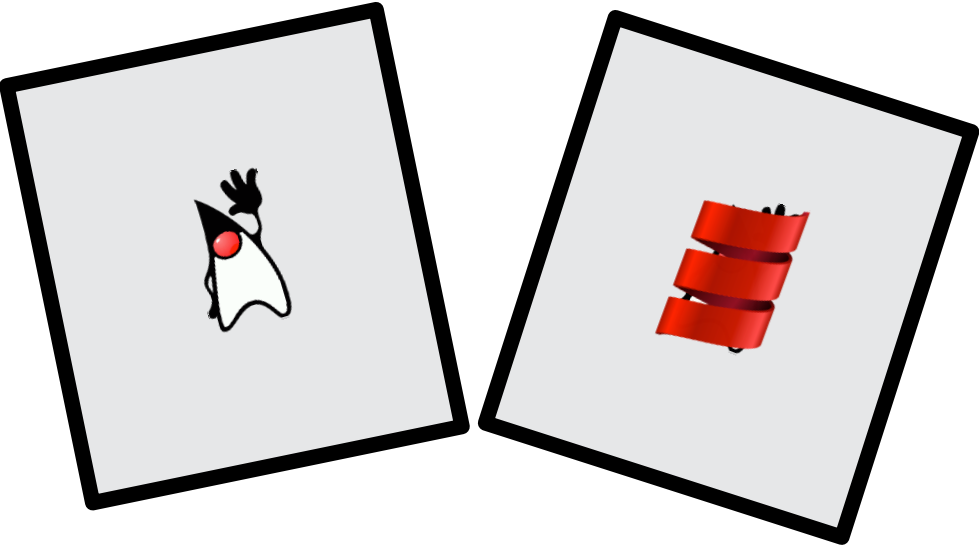
My Experiences

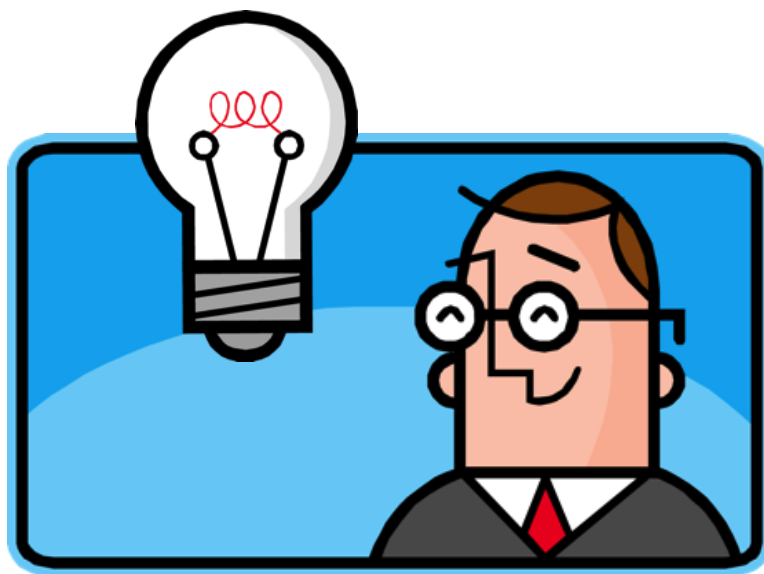


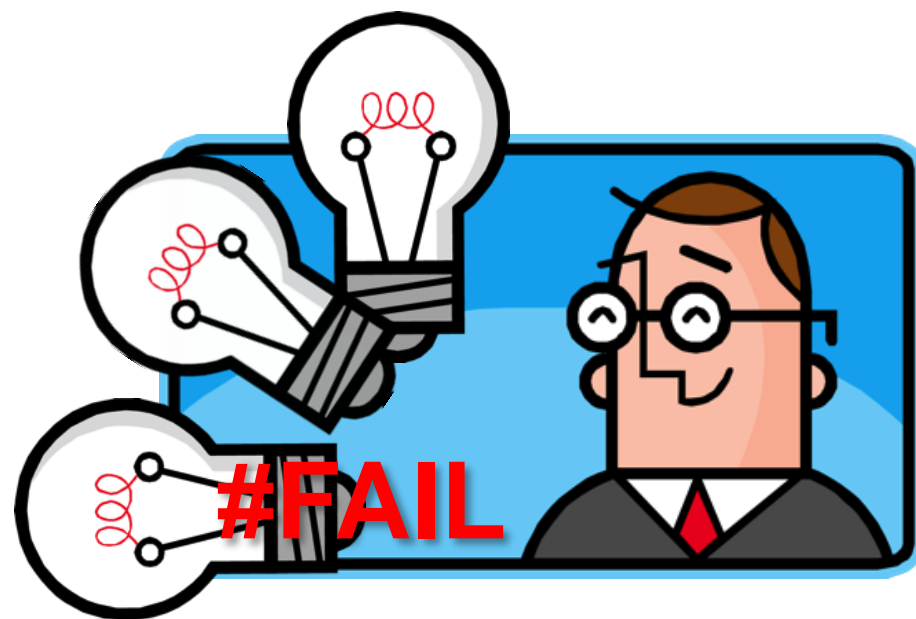






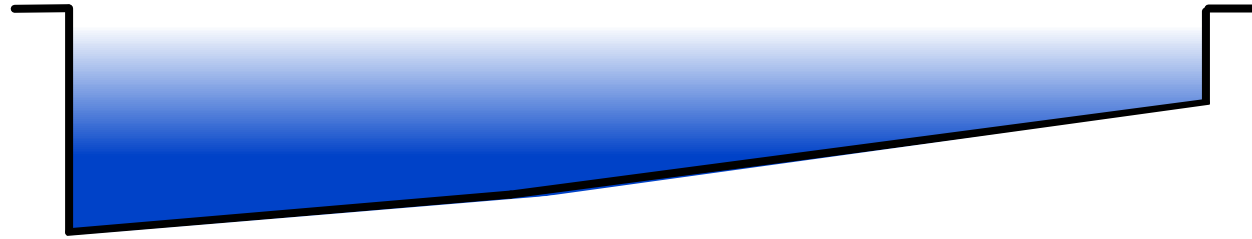




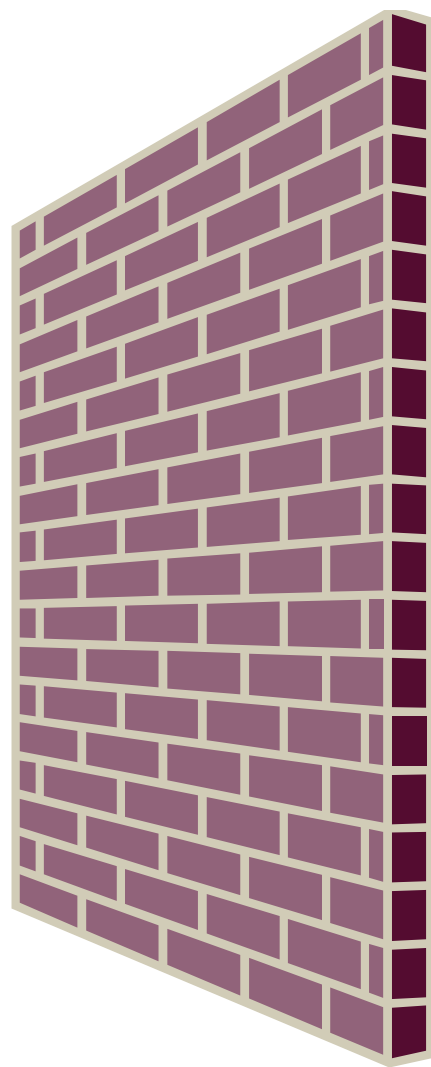


Real Problems = 

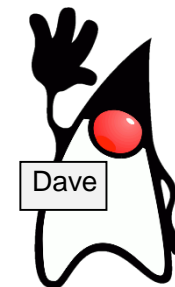
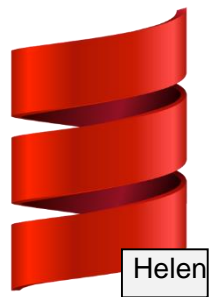
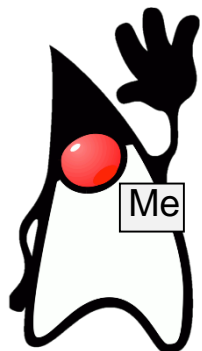
DEEP END

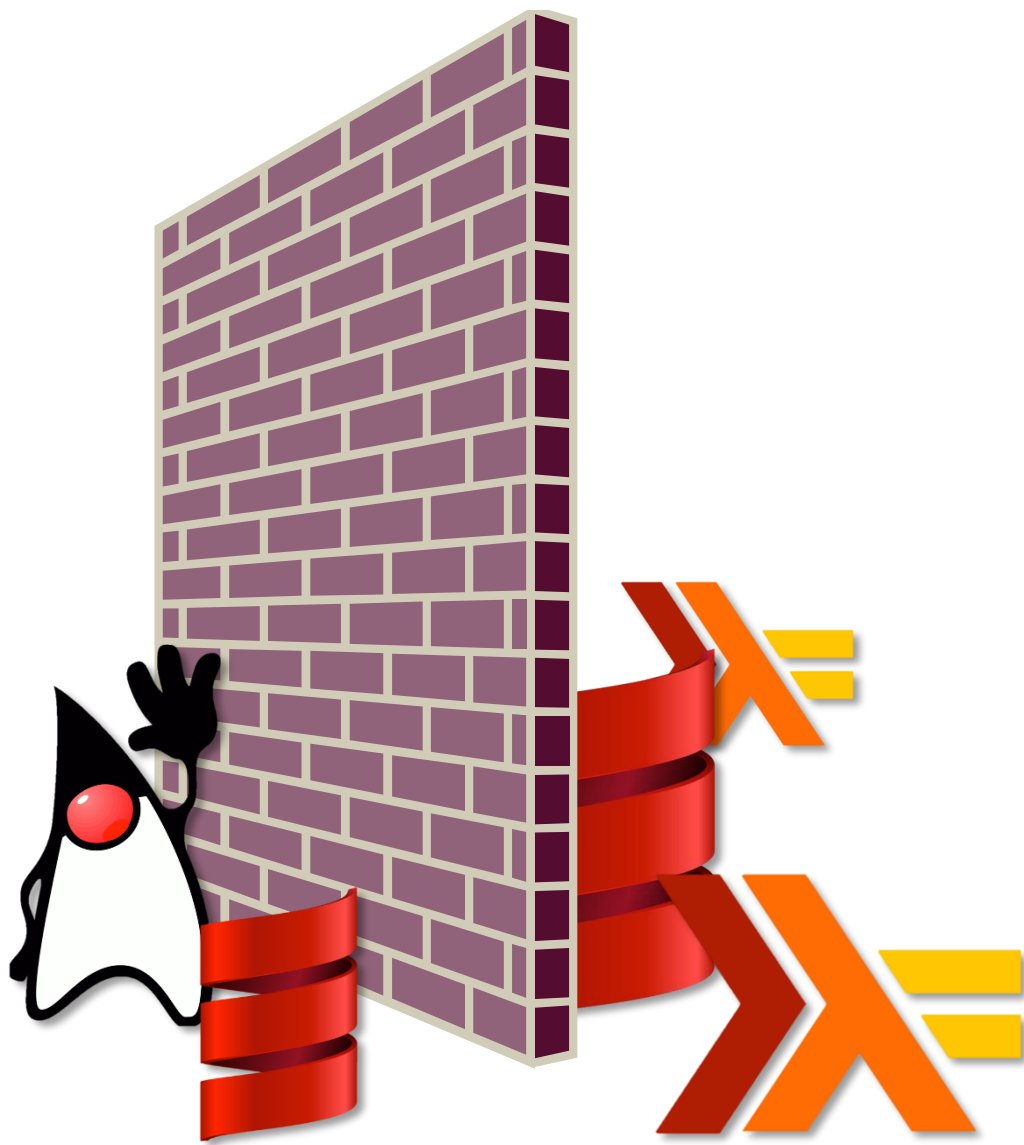














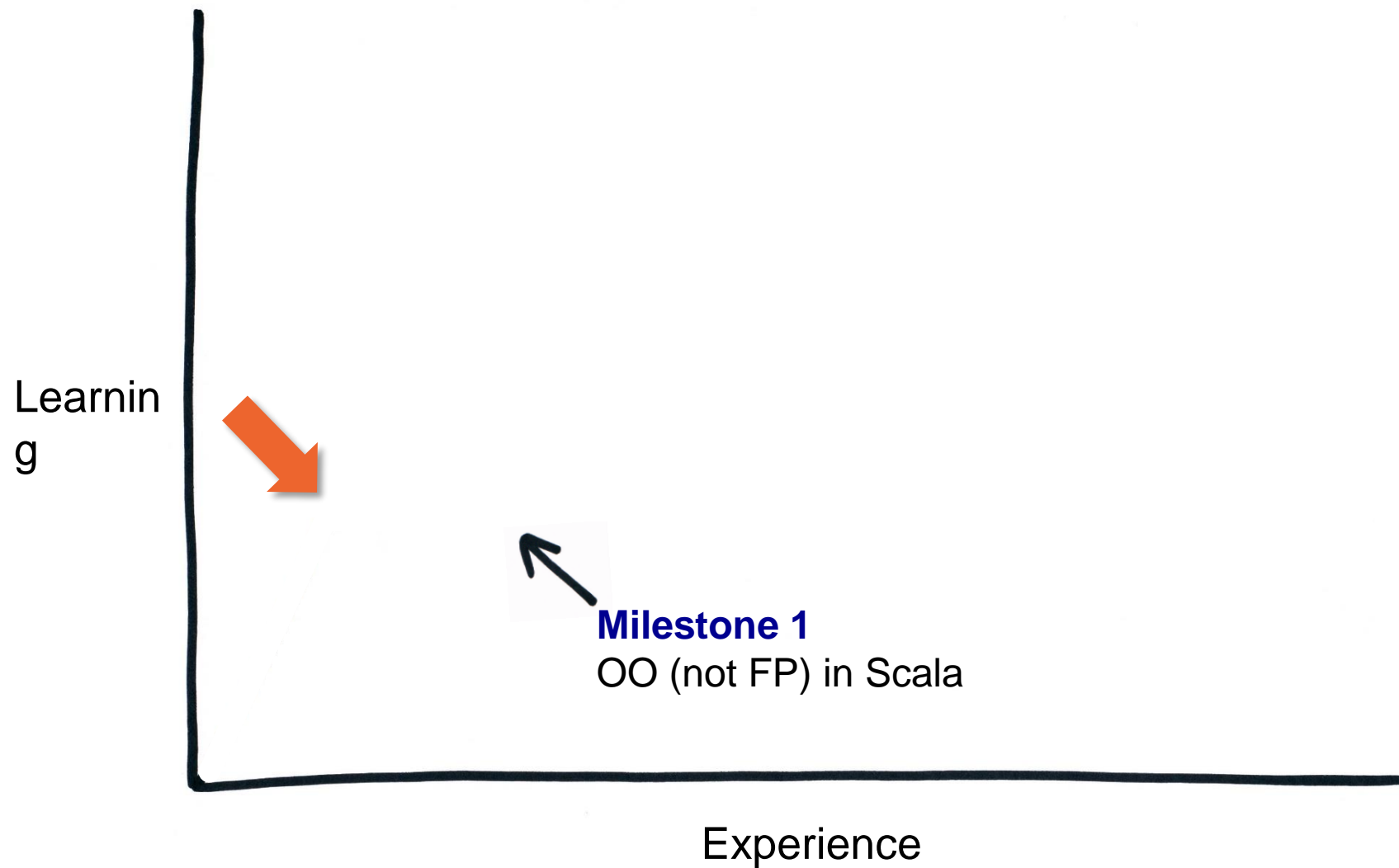
Module 1e4

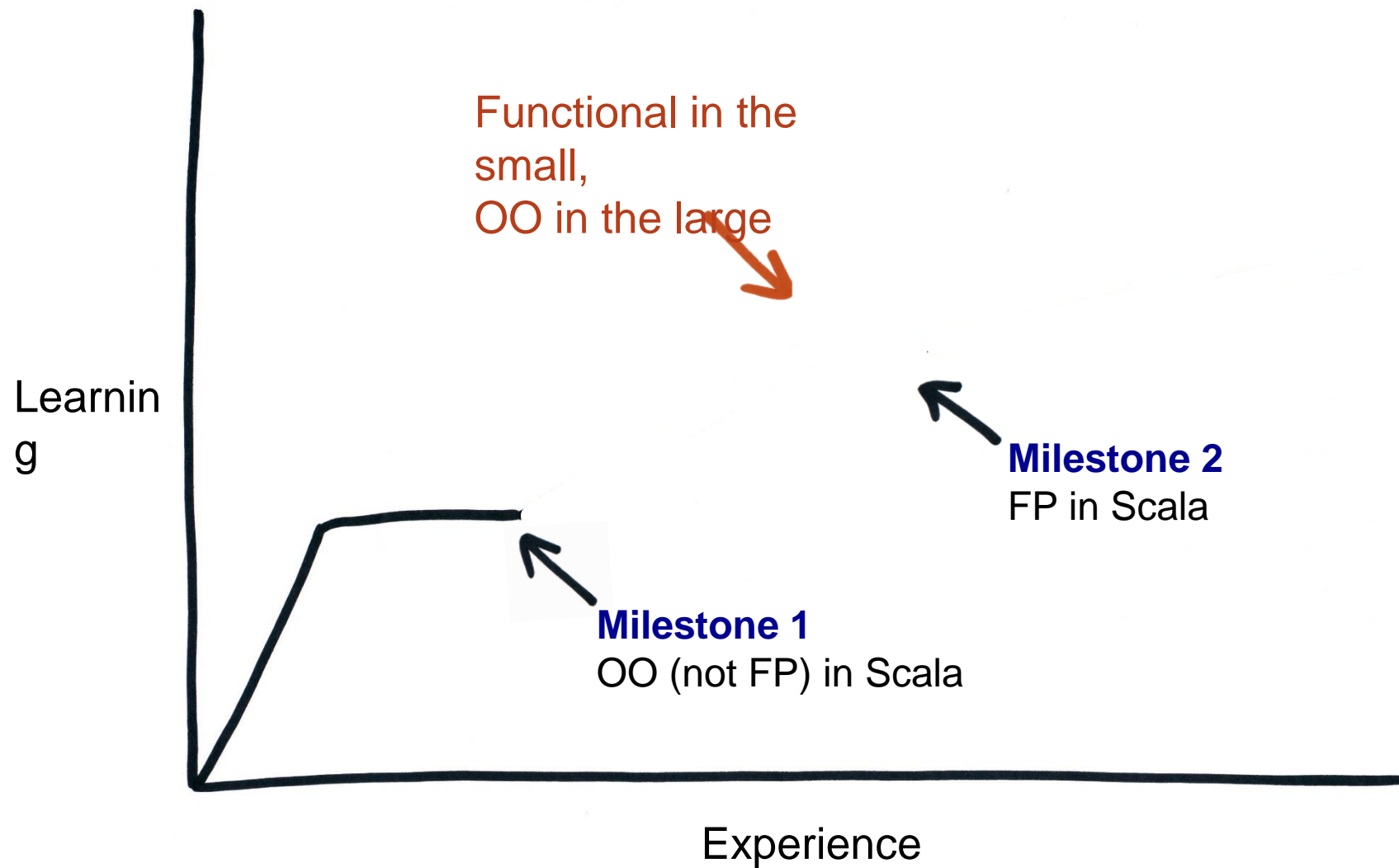
Adopting Scala

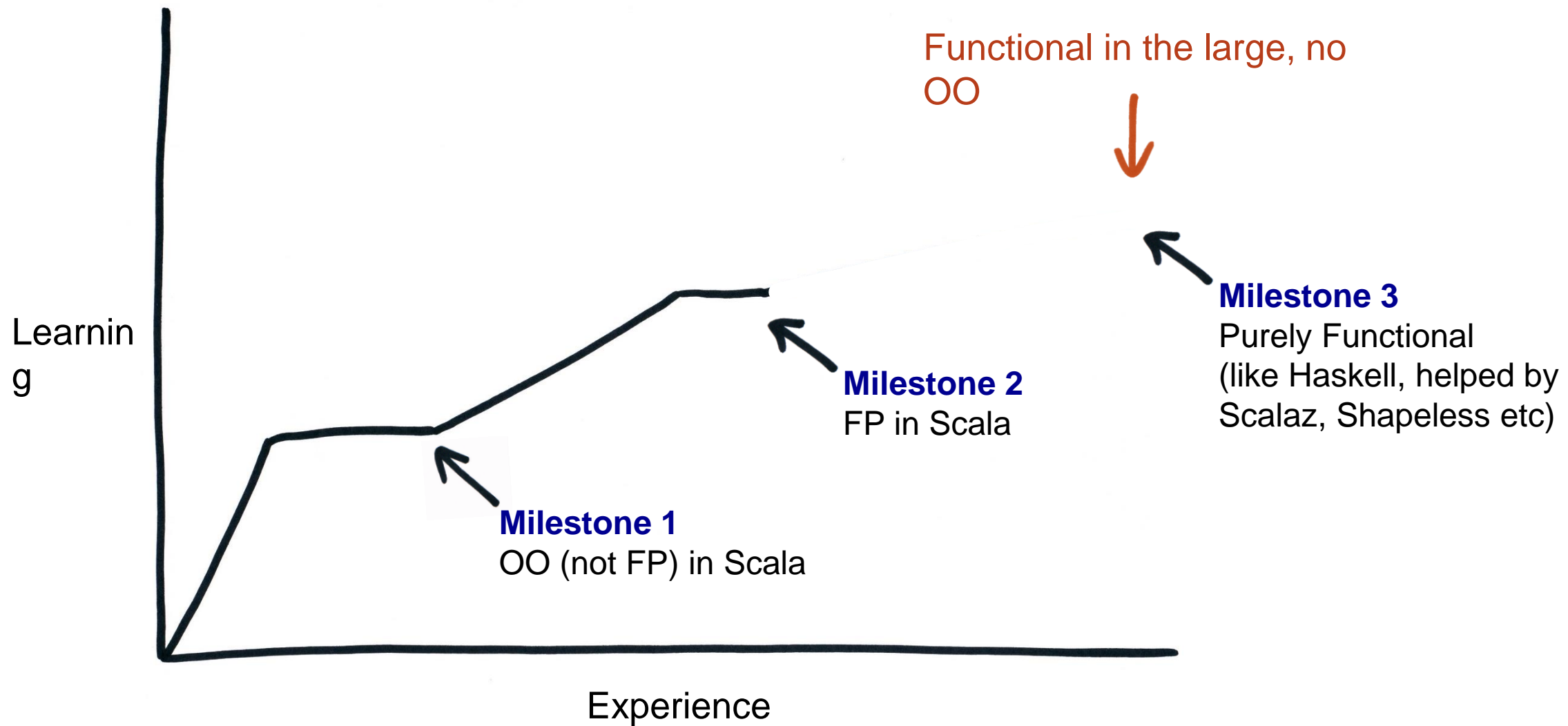
What to Expect

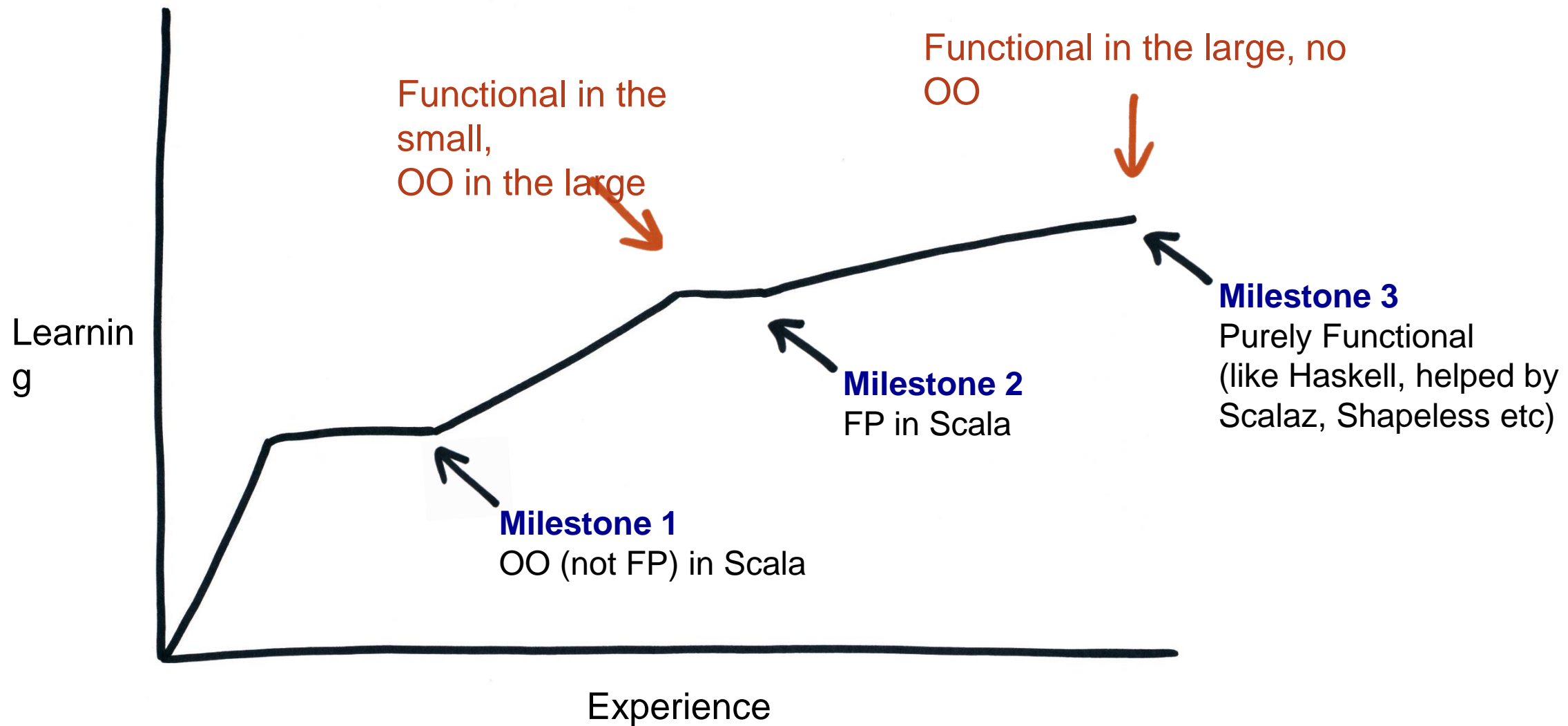
Learnin
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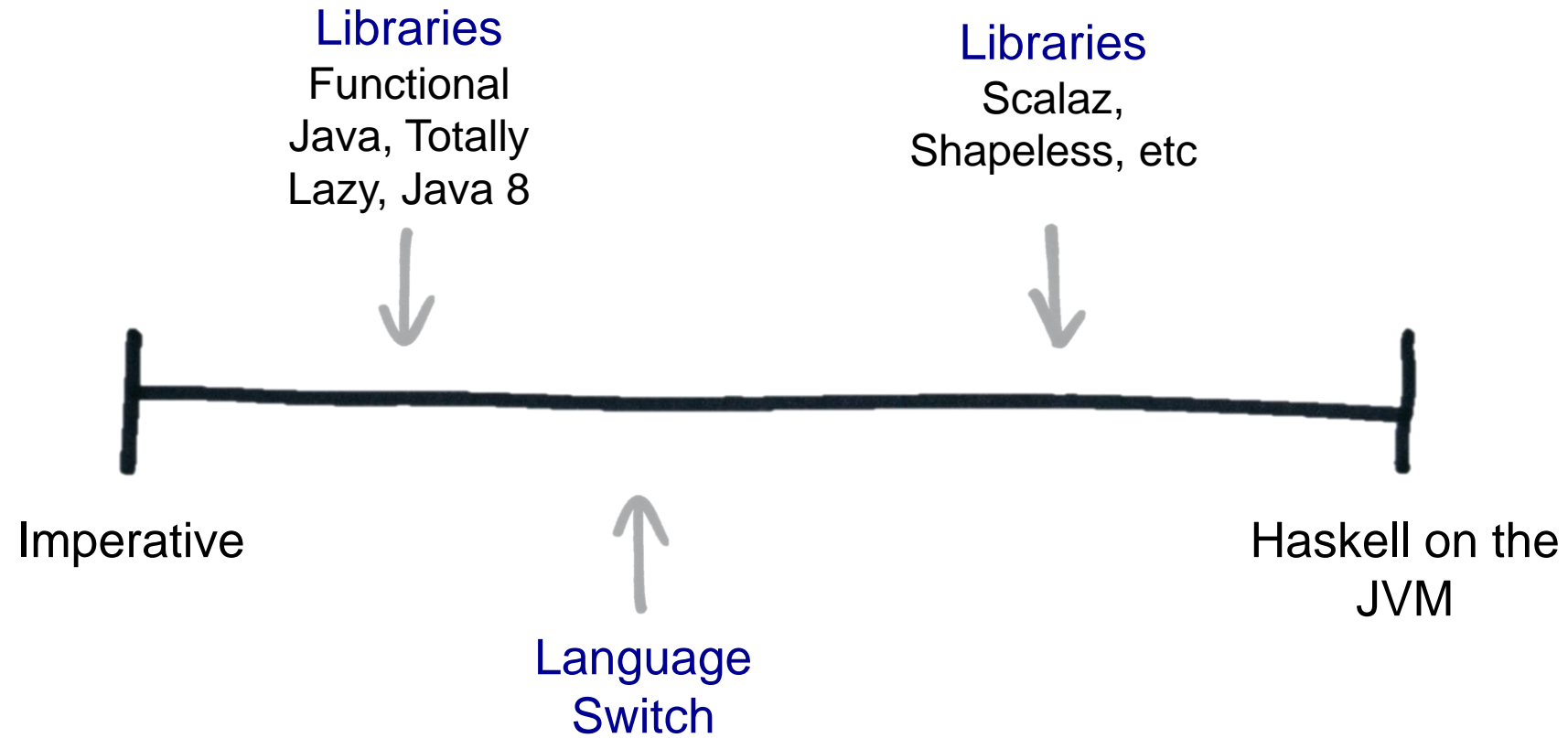
Experience



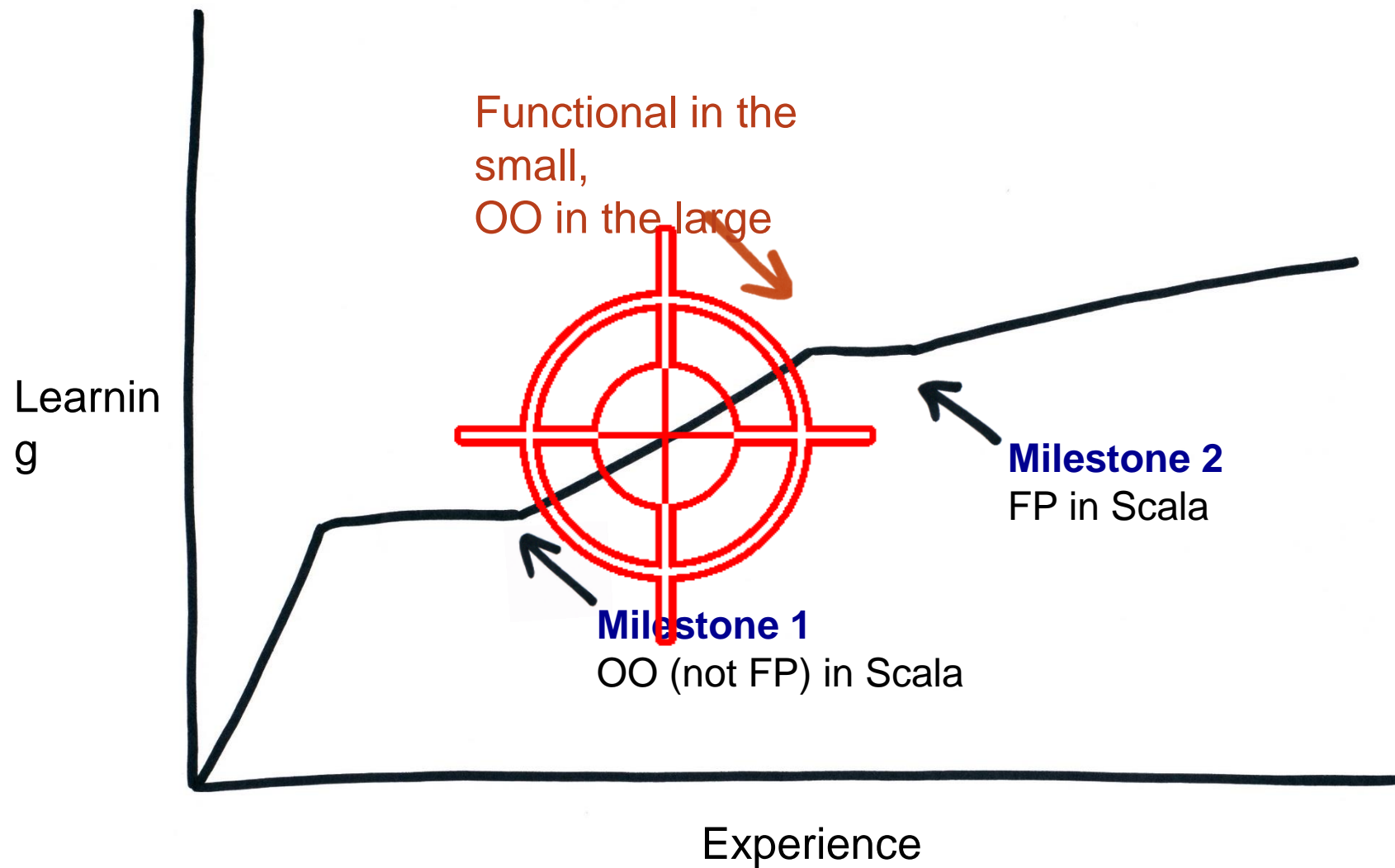








Java to Functional
Programming Continuum



Module 1e4

Adopting Scala

Tips

1

Be Clear

2

Be Clear

Get Guidance

3

Be Clear

Get Guidance

Have a Plan

1

Be Clear

- What's in it for me?
- Team Dynamic
- Set Expectations
- Review

2

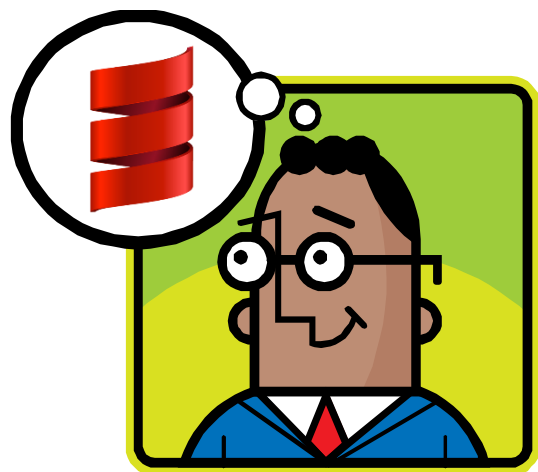
Get Guidance

- Hire an Expert
- Participate in the Community
- Look at Open Source

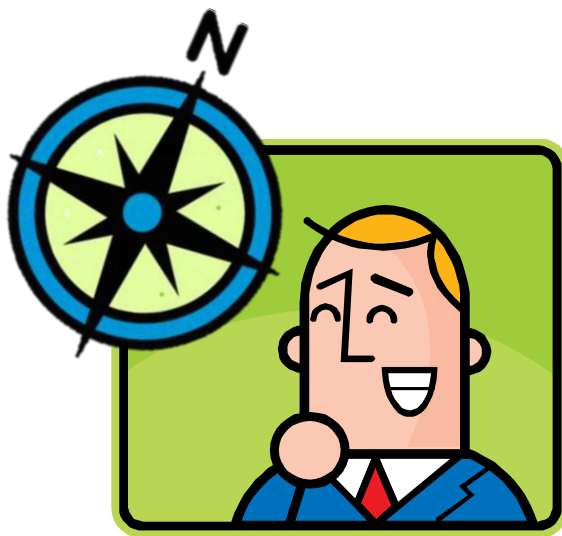
3

Have a Plan

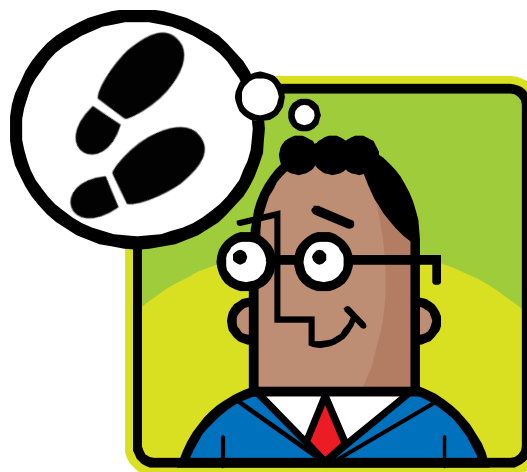
- Think about your Goals
- How Functional?
- Commit



1



2



3



Module 1e4

Adopting Scala

Convert your Codebase

Should I convert?

Yes!



Java



Scala

נכ

SBT



Maven



Module 1e4

Adopting Scala

Manage your Codebase

option!

option!

option!

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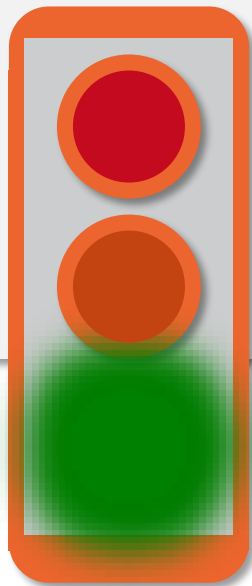
Settle on Your own Conventions

```
result match {  
  case Success(customer) => {  
    email(customer)  
  }  
  case Failure(e) => {  
    rollback  
    throw e  
  }  
}
```

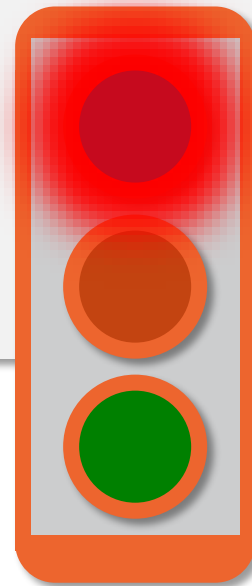
```
result.transform(  
  email(_)  
  , {  
    rollback  
    throw _  
  })
```

VS.

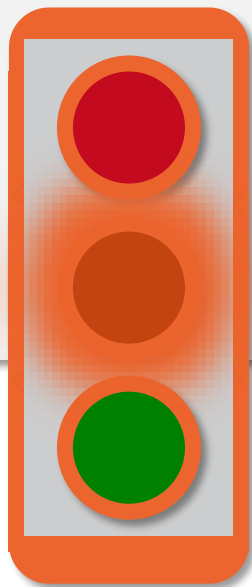
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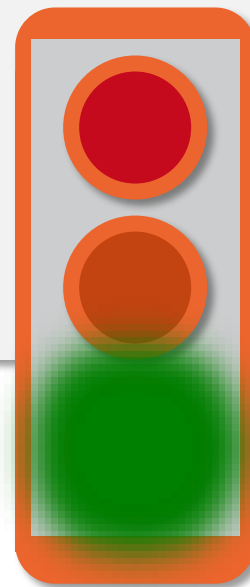
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<http://twitter.github.io/effectivescala/>



<http://docs.scala-lang.org/style/>

What to Avoid



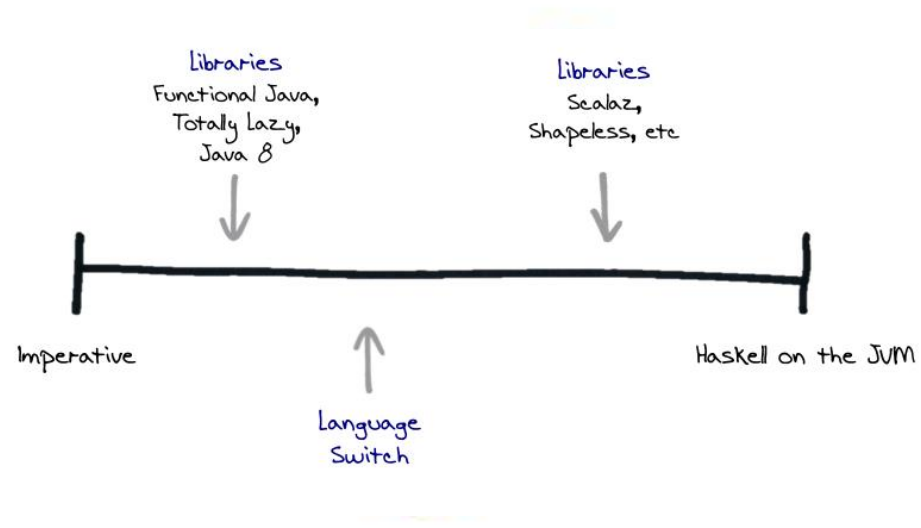
- SBT
- Scalaz
- “Fancy” Scala Libraries
 - Dispatch
 - Anorm
 - Don’t forget Java Libraries

What to Avoid



- **SBT**
- **Scalaz**
- **“Fancy” Scala Libraries**
 - Dispatch
 - Anorm
 - Don't forget Java Libraries
- **Lack of Consistency**

Other Challenges



- **Compilation Speed**
- **IDE & Build Tools**
- **FP Continuum**

Good Luck!