



Refactoring: L'essentiel

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TSIMAGINETM

ConFoo.CA 20TM

EASYMOCK

OBJENESIS



Oracle
Groundbreaker
Ambassador



- A rendu Populaire les mocks de classes
- A inventé le terme “partial mocking”

TSIMAGINE™

On embauche!!!

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The Addison-Wesley Signature Series

*"Any fool can write code that a computer can understand.
Good programmers write code that humans can understand."*

—M. Fowler (1999)

A MARTIN FOWLER SIGNATURE
BOOK
Martin

REFACTORING

Improving the Design of Existing Code

Martin Fowler

with contributions by
Kent Beck



SECOND EDITION



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WORKING EFFECTIVELY WITH LEGACY CODE

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Pourquoi faire
du réusinage?

Retour sur investissement

1. Pour réduire
la quantité de
code

DEMO

2. Pour rendre
le code testable

Il faut un test

Le réusinage
automatique ça
compte pas

On s'en fout de
pêter le code, il
faut un test

DEMO


```
LocalDate now = LocalDate.now();
```



```
LocalDate now = now();
```

1 bis. Pour
réduire la
quantité de
code... à taper

3. Pour pouvoir
lire le code

Du code dur à
tester est du
mauvais code

**Tout laisser
comme avant**

Injection de dépendences

Le code de test
est du code
quand même

Conclusion

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- > Test coverage
 - + JaCoCo: <https://www.eclemma.org/jacoco/>
 - + OpenClover: <https://openclover.org/>
- > Mutation testing
 - + Pitest: <https://pitest.org/>
- > Benchmarks
 - + JMH: <https://openjdk.java.net/projects/code-tools/jmh/>
 - + Gatling: <https://gatling.io/>
 - + JMeter: <https://jmeter.apache.org/>
- > Outils
 - + Mvnd: <https://github.com/apache/maven-mvnd>
 - + Sdkman: <https://sdkman.io/>

Qui a appris quelque
chose aujourd'hui?



- > Liste de livres recommandés
 - + <https://learning.oreilly.com/playlists/386b4ce0-b3d4-49be-a3dc-02c0e4b94412/>
- > Cours en direct sur O'Reilly
 - + <https://learning.oreilly.com/>
- > TS Imagine
 - + <https://tsimagine.com/about/careers/>
- > Simuler le temps
 - + <http://blog.tremblay.pro/2021/01/mocking-clock.html>
- > Refactoring Challenge
 - + <https://github.com/henri-tremblay/refactoring>



<http://objenesis.org>



<http://montreal-jug.org>

Questions?



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EASYMOCK

<http://easymock.org>