



# Tester une application JS

Jasmine, Karma, Protractor

#testAppJS

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Dev-Mind - @DevMind\_FR





# Guillaume EHRET

# Dev Mind



<http://javamind-fr.blogspot.fr/>

mix-IT



@guillaumehret



# et vous ?



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# Tester en javascript





# Pourquoi tester son appli JS ?





# Prouver que le code est correct



source : <http://giphy.com/>



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# Eviter les régressions



source : <http://zoodroid.blogspot.com/>



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# Refactoring plus serein



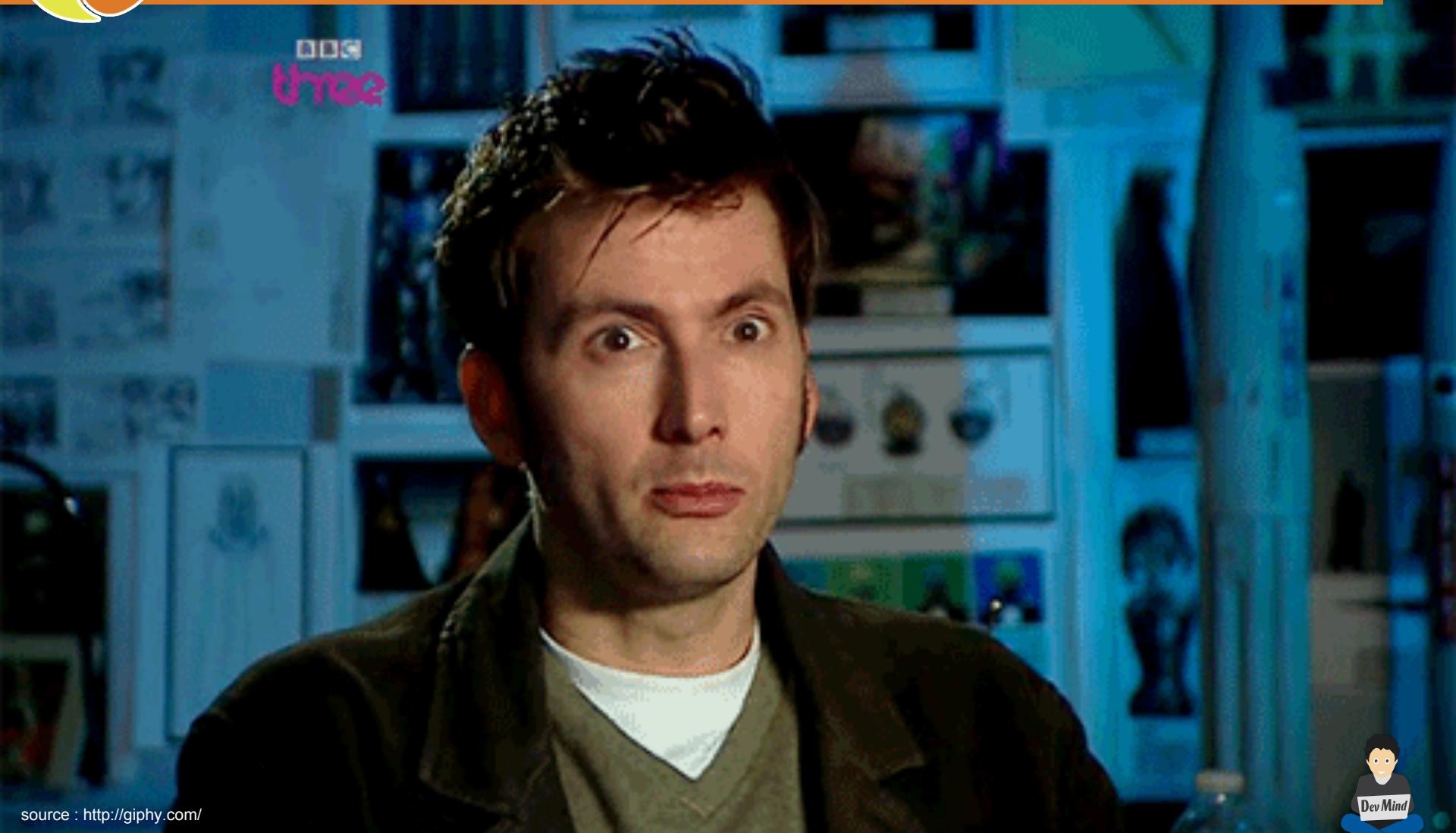
source : <http://giphy.com/>



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# Feedback plus rapide



source : <http://giphy.com/>



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# Meilleur design



source : <http://www.dezeen.com/2014/06/02/animated-gifs-present-shape-shifting-buildings/>



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# Documentation

This video does not exist.

404



# Le langage



Your language is offensive.

source : <http://zoodroid.blogspot.com/>

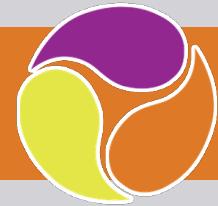


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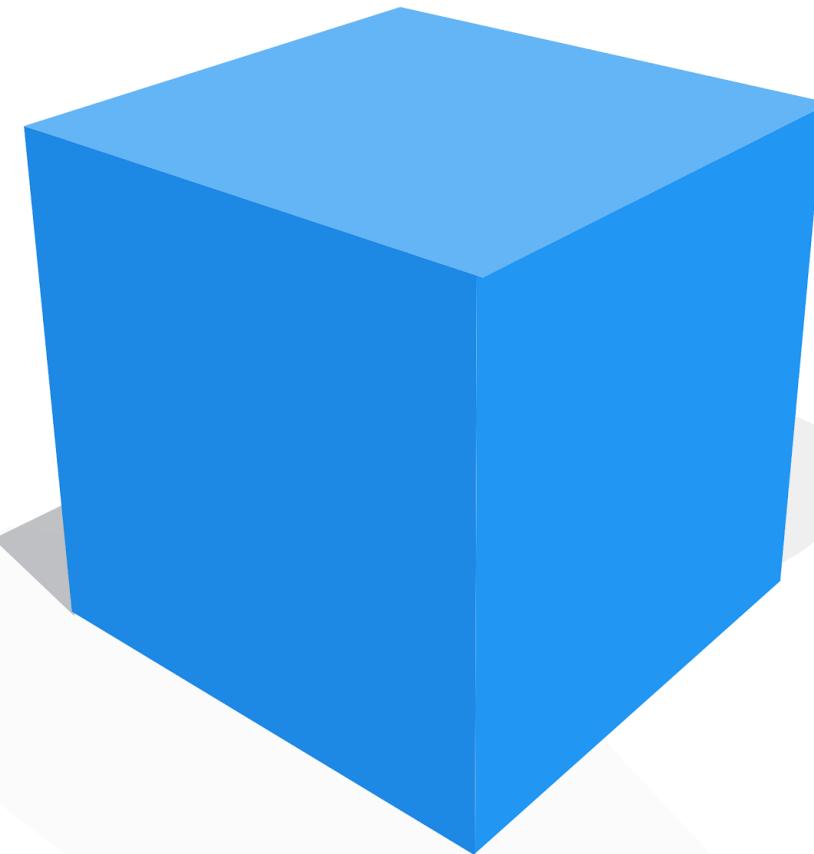


# Qu'est ce qu'un test ?





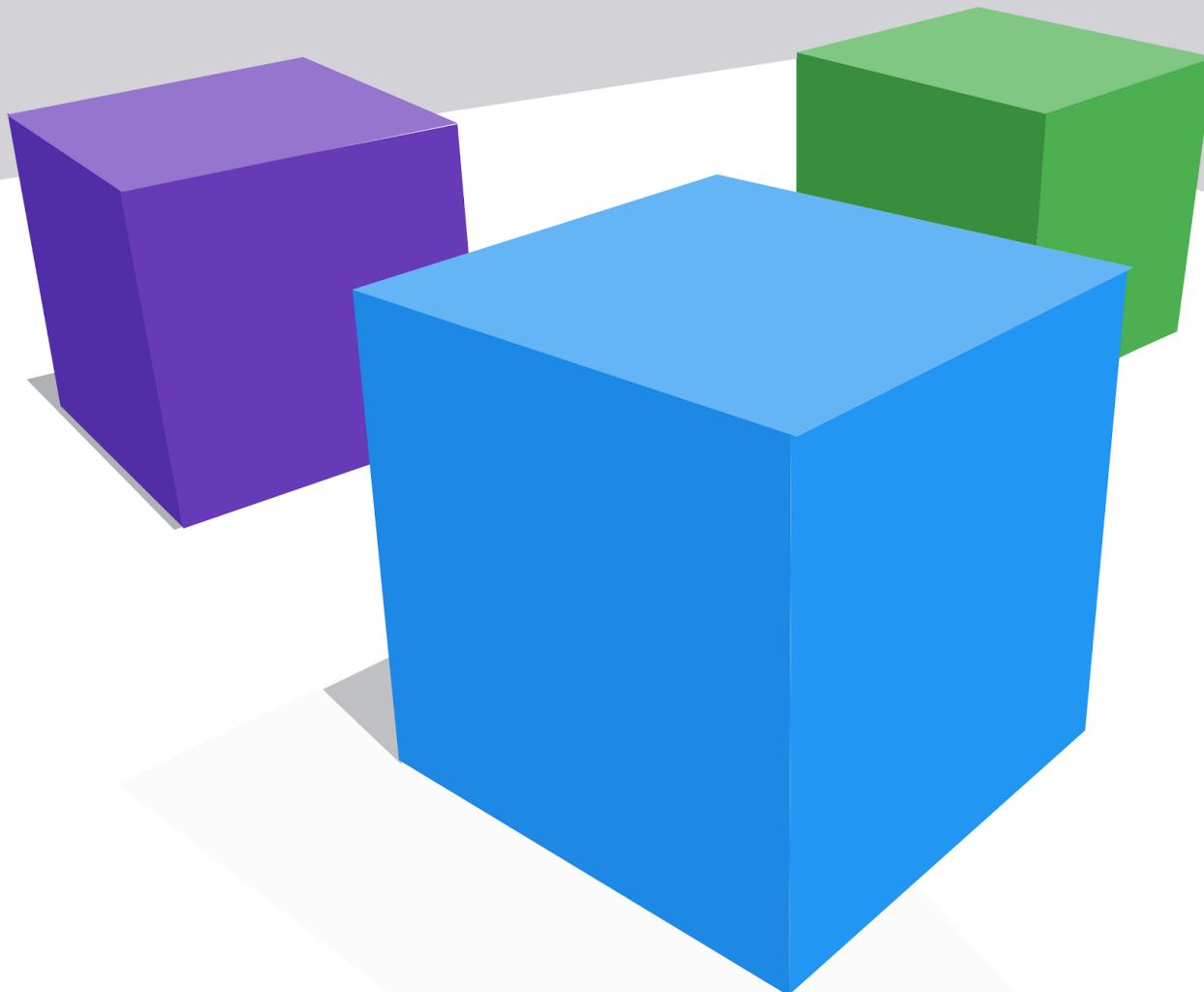
# System under test



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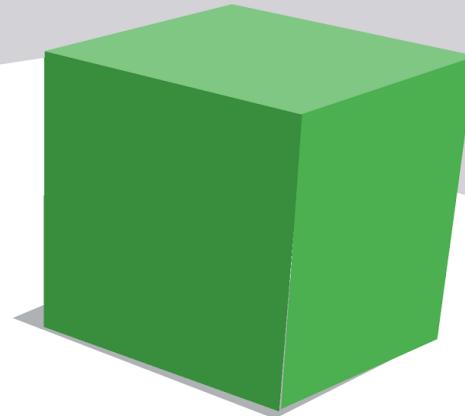
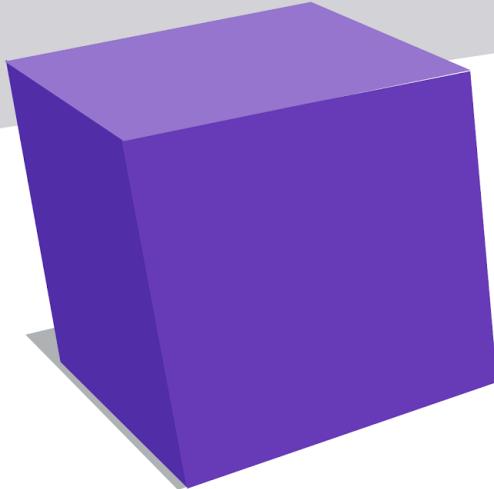


# System under test





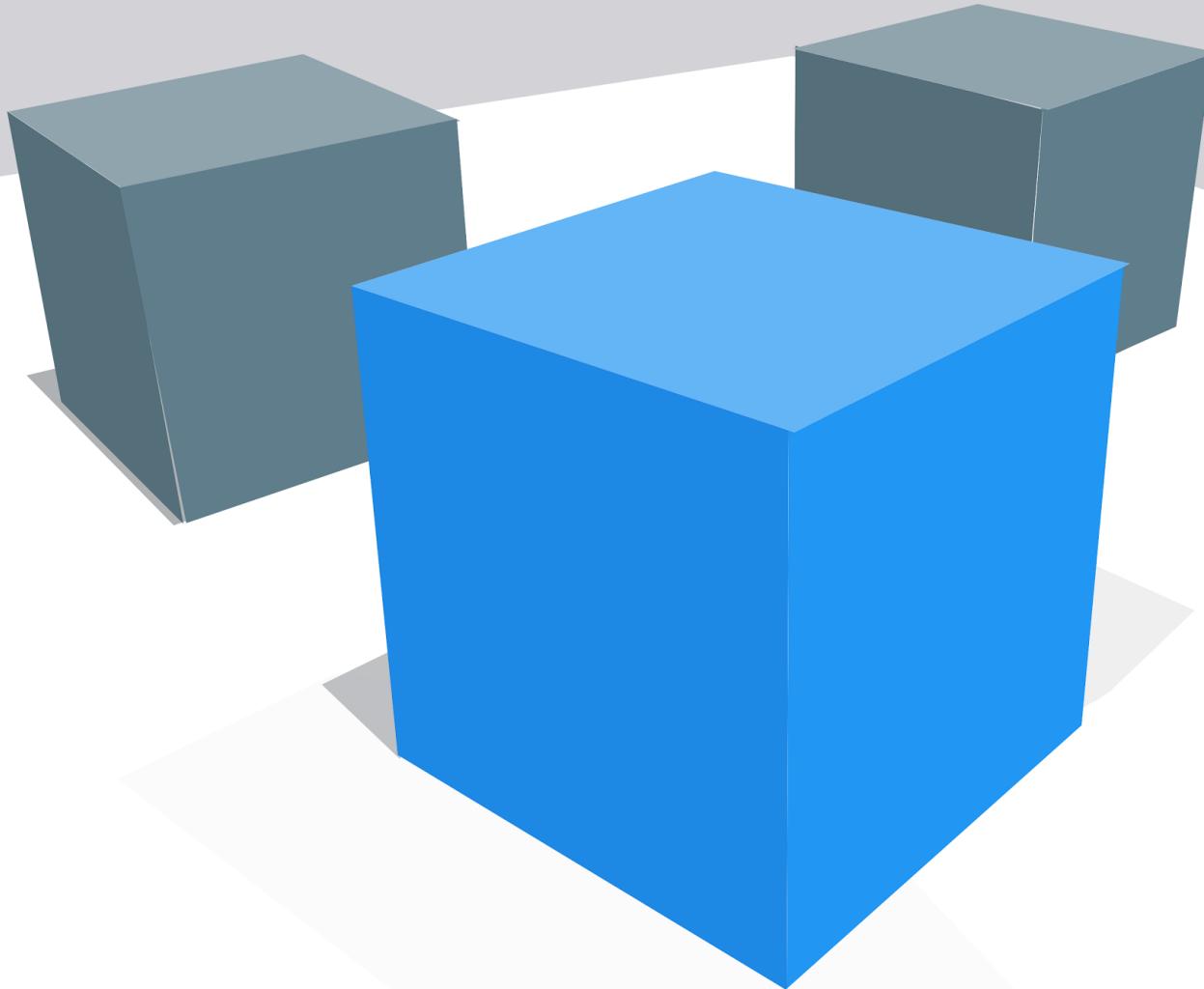
# Les collaborateurs



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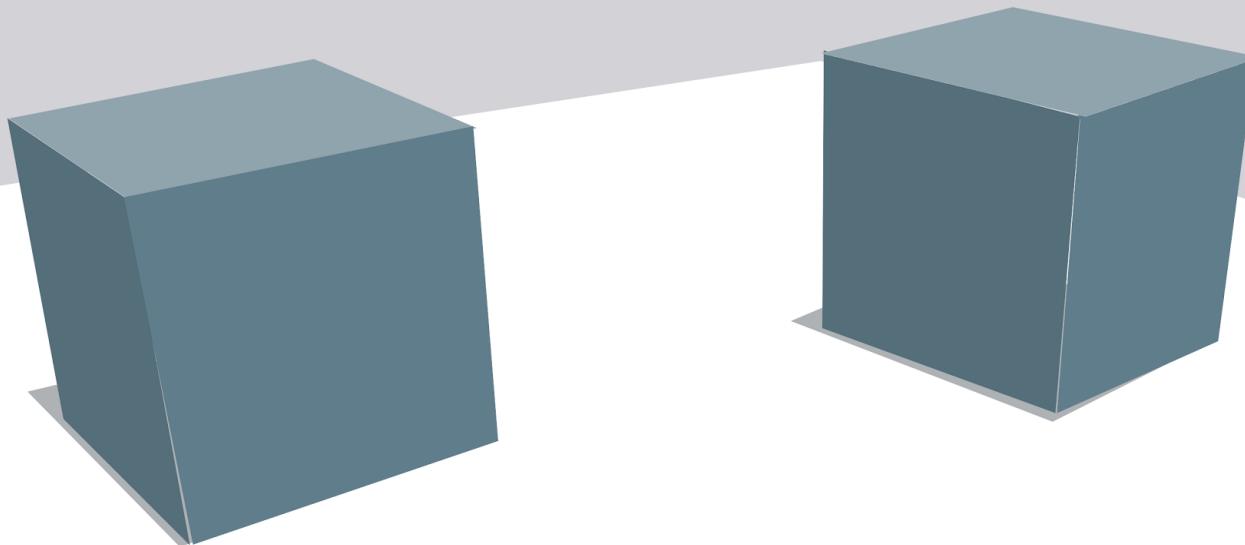


# Test unitaire



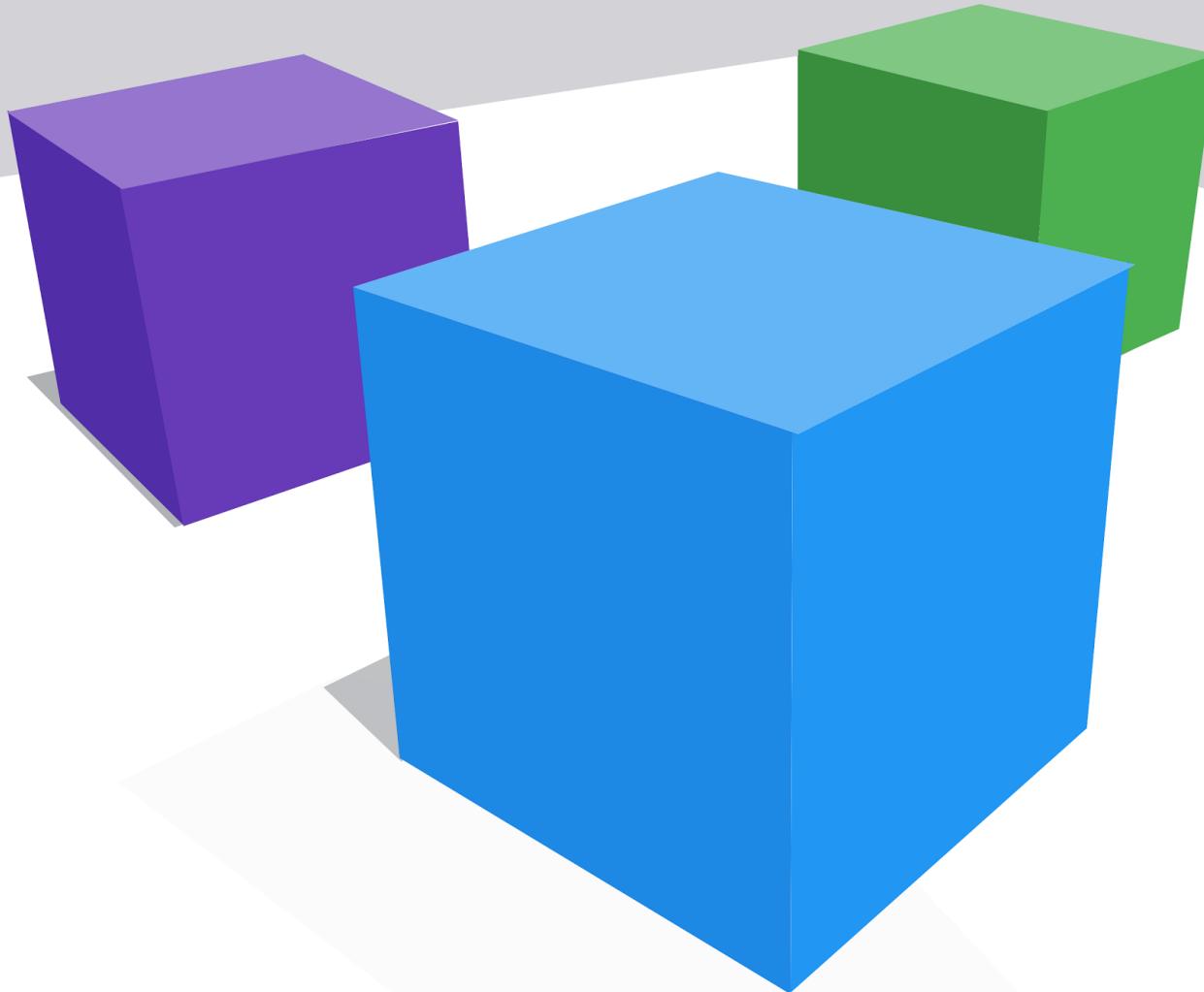


# Mocker ou stuber les collaborateurs





# Test end to end

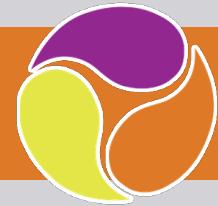




# System under test

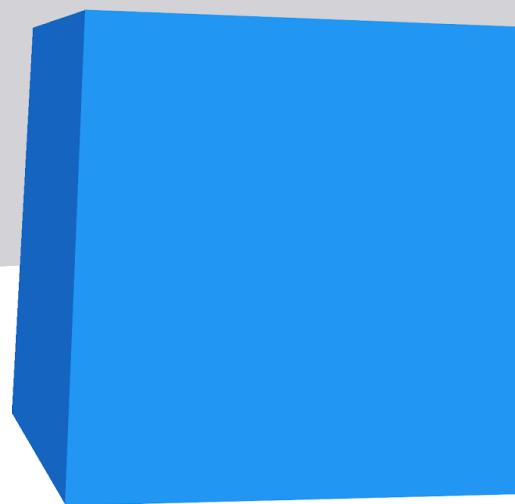


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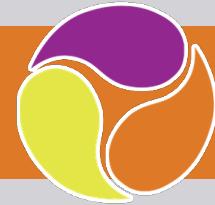
# Ce qui nous intéresse

**Entrées**



**Sorties**





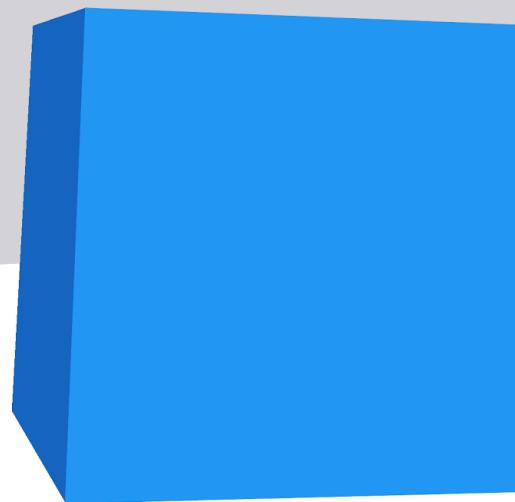
AAA

# Arrange

# Act

# Assert

Entrées



Sorties





# Comment tester en Javascript ?





# Ecrire les tests



simple, flexible, fun





# Exécuter tests unitaires

KARMA





# Exécuter tests end to end



# Protractor

end to end testing for AngularJS





# Place au code



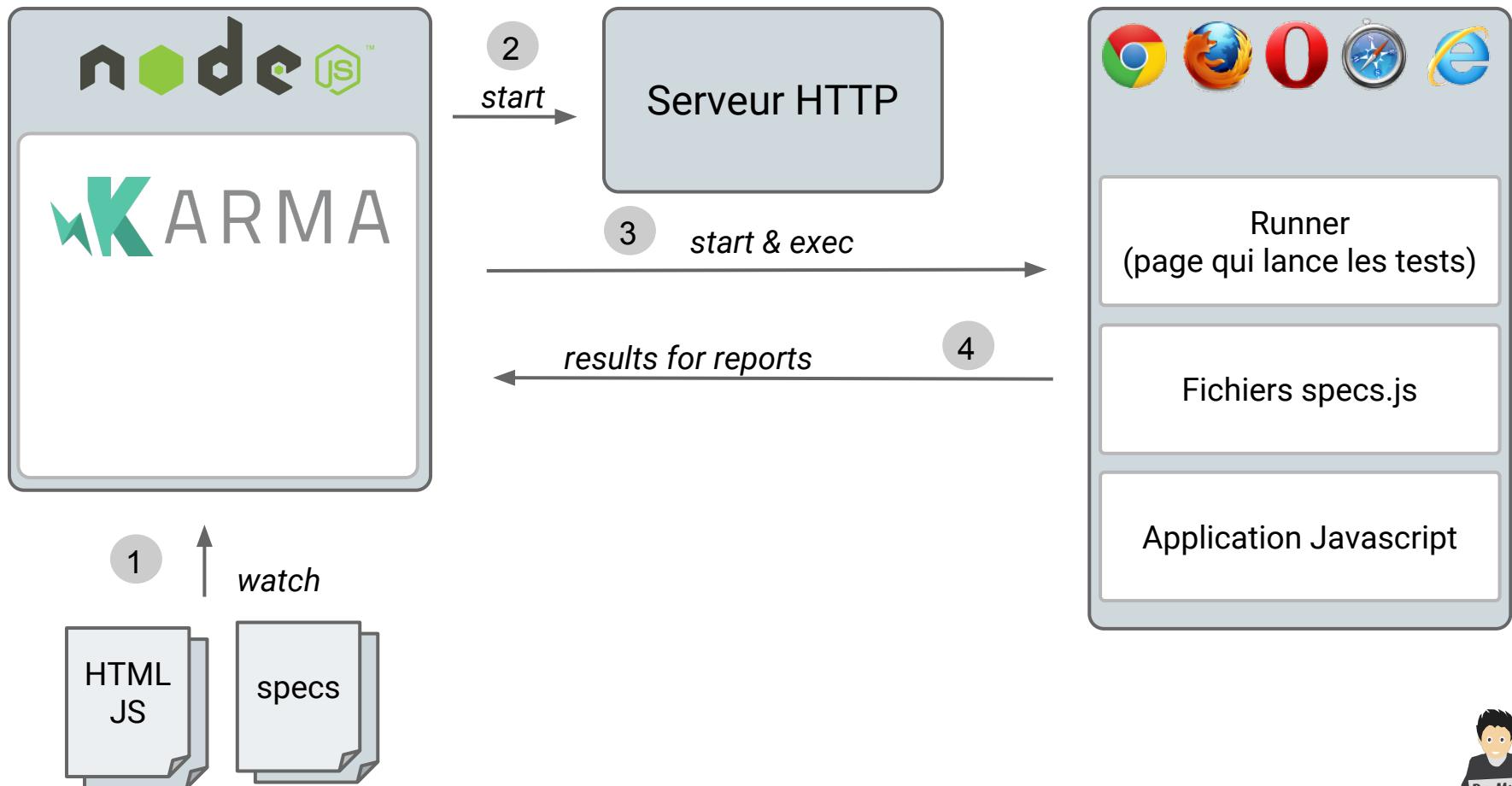
source : <http://m4roid.blogspot.com/>



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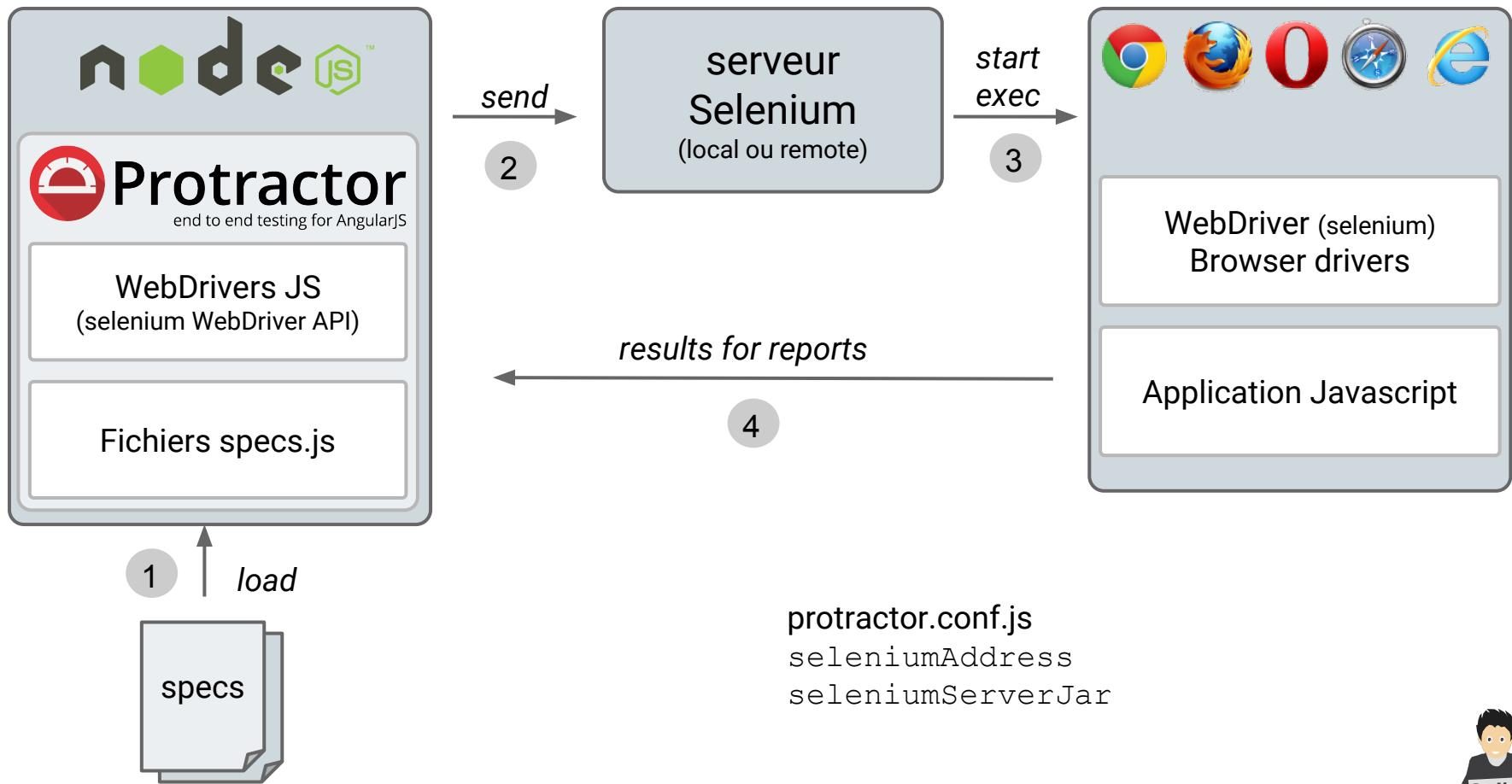


# Fonctionnement de Karma



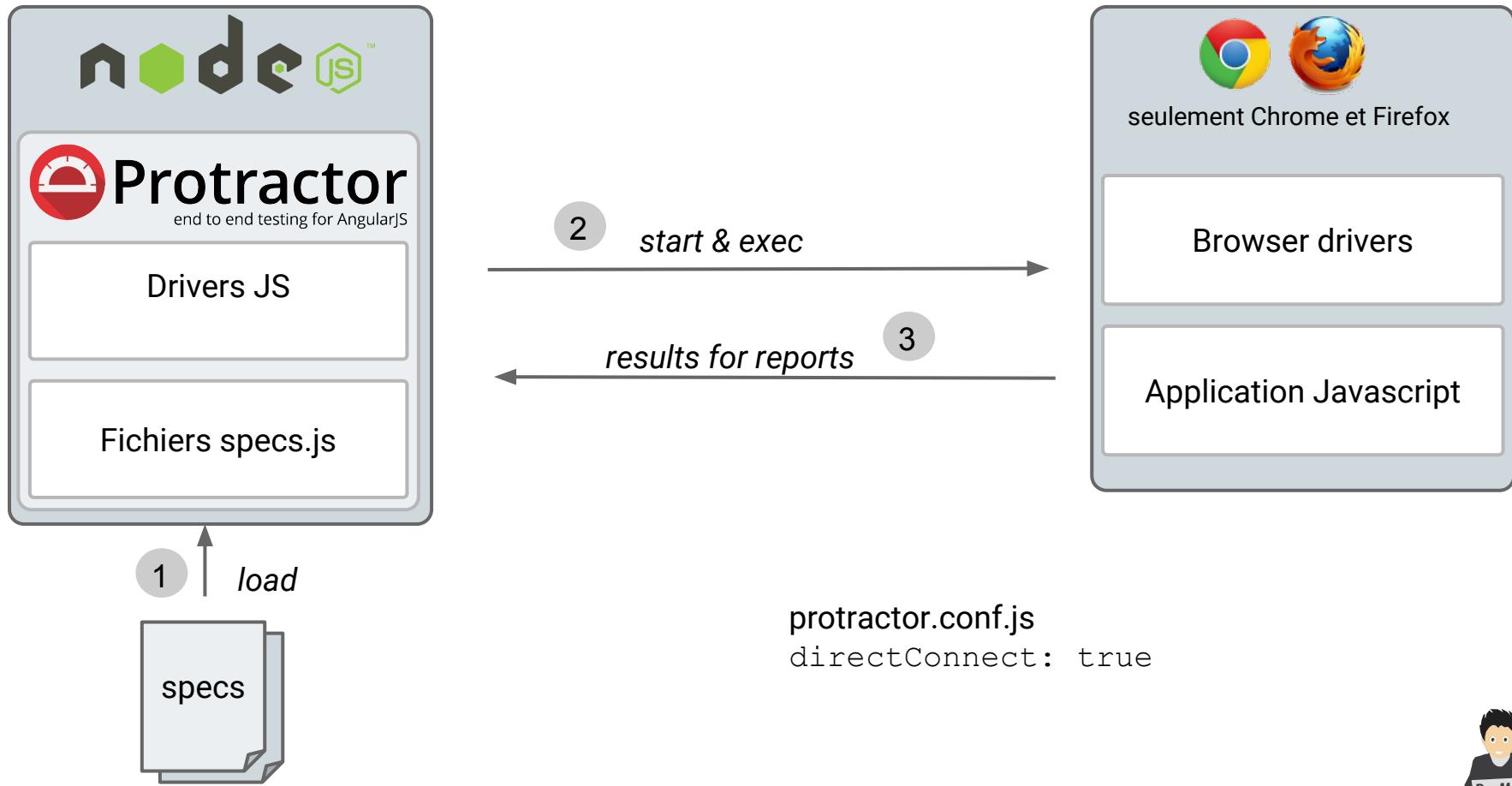


# Fonctionnement de Protractor





# Fonctionnement de Protractor



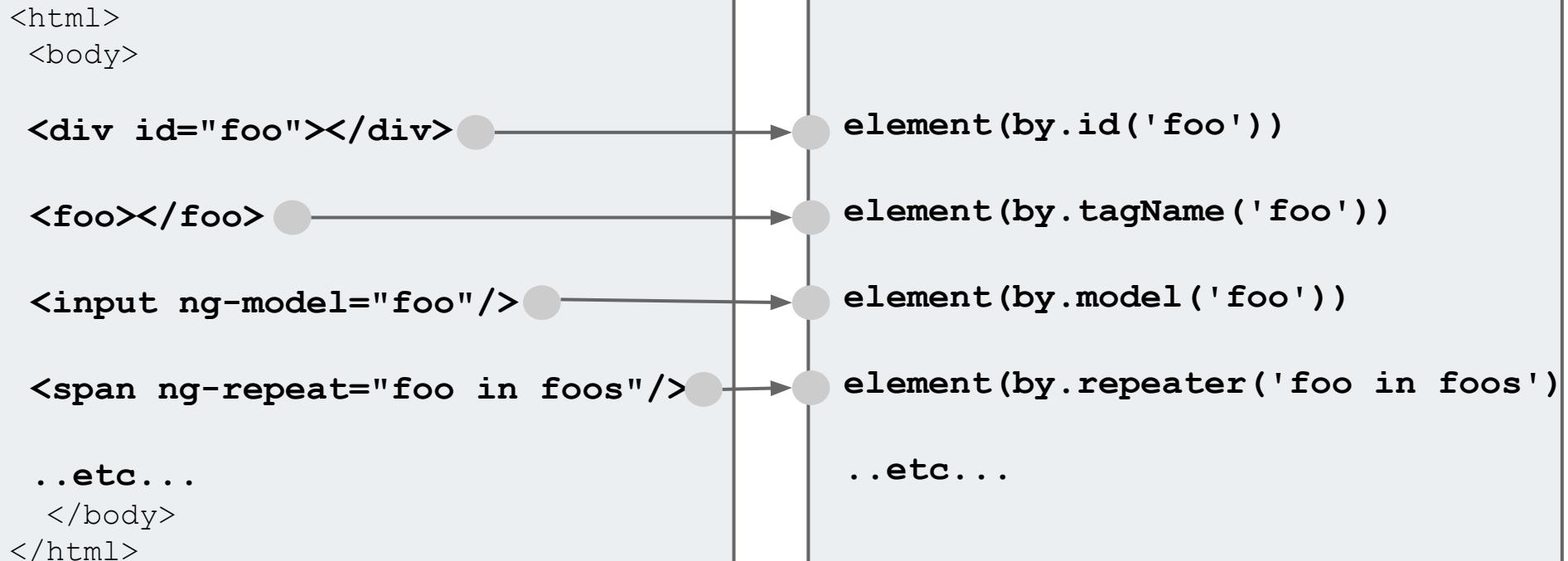


# Protractor et selector



```
<html>
<body>

<div id="foo"></div>
<foo></foo>
<input ng-model="foo"/>
<span ng-repeat="foo in foos"/>
...etc...
</body>
</html>
```





# Tester une application JS

**Dev Mind**

**Angular et les tests**

Les tests dans une application Javascript sont importants. Venez découvrir comment en 50 minutes mettre en place votre stratégie de tests d'une application Angular

 **Bretz Camp**  
Mix de technologies

10 au 12 juin 2015 - Rennes

Rennes

A language 

A framework 

Le principe est simple, on part d'une application vierge de tests et on les ajoute

 **Jasmine**

Write tests

 **KARMA**

Execute unit tests

 **eProtractor**  
end to end testing for AngularJS

Execute e2e tests

Live coding

Vous pouvez me suivre sur





<https://github.com/javamind/AngularAndTests>  
<https://github.com/javamind/AngularAndTestsBackend>





# Référence

## **Jasmine** 2.3

<http://jasmine.github.io/2.3/introduction.html>

<http://javamind-fr.blogspot.fr/2015/01/comment-ecrire-vos-tests-javascript.html>

## **KARMA** 0.12

<http://karma-runner.github.io/0.12/index.html>

<https://www.npmjs.com/browse/keyword/karma-plugin>

<http://javamind-fr.blogspot.fr/2015/01/karma-lexecuteur-de-tests-javascript.html>

<https://www.youtube.com/watch?v=Mu9c6-thcVU>

## **Protractor** 2.0 end to end testing for AngularJS

<http://angular.github.io/protractor/#/>

<http://javamind-fr.blogspot.fr/2015/01/karma-lexecuteur-de-tests-javascript.html>

<https://www.youtube.com/watch?v=aQipuiTcn3U>

<http://webdriver.io/api.html>





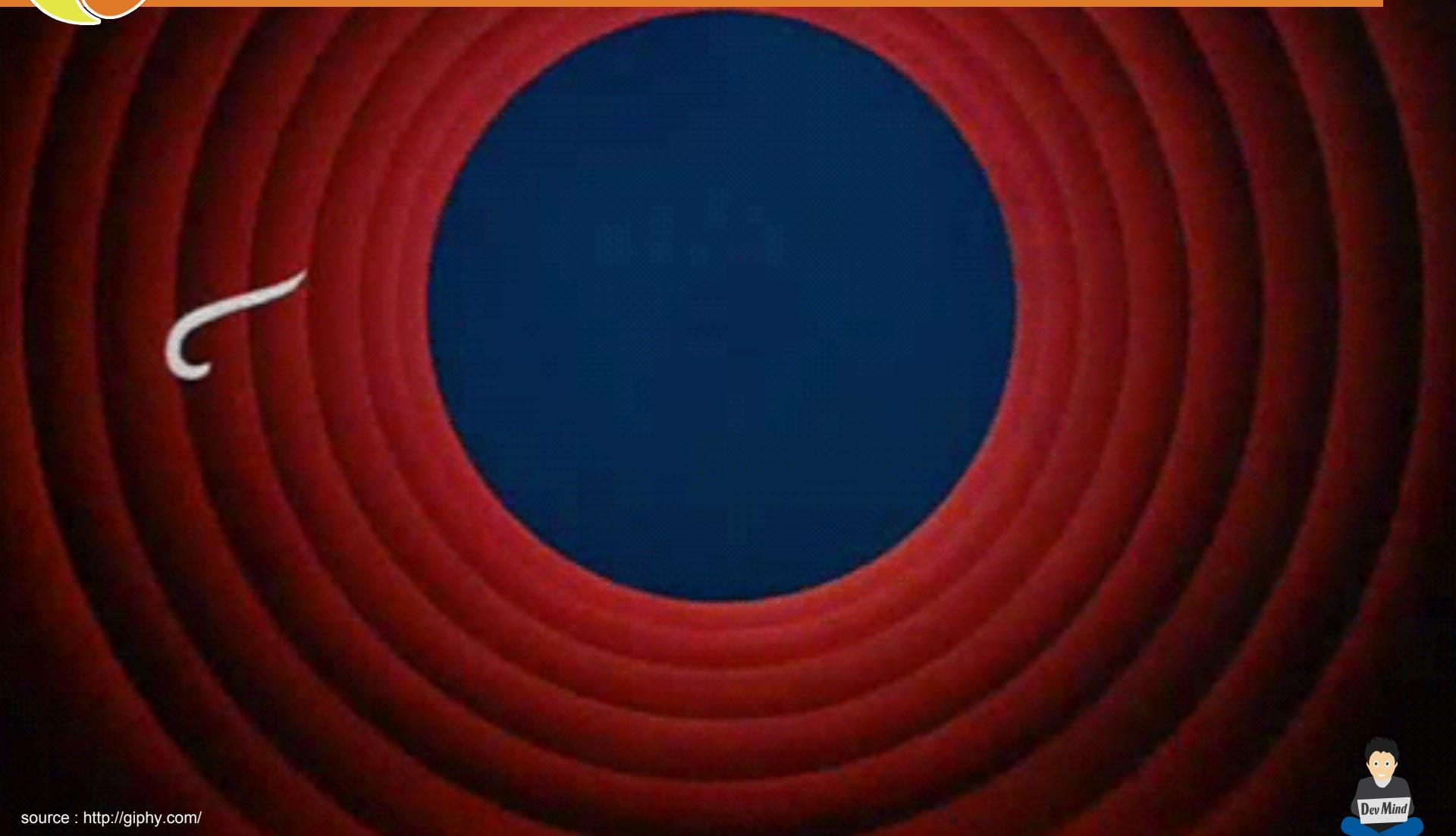
# Les questions ?



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# Merci



source : <http://giphy.com/>



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