

# Coding Dojo 7

Kata Incomprehensible Finder

TDD

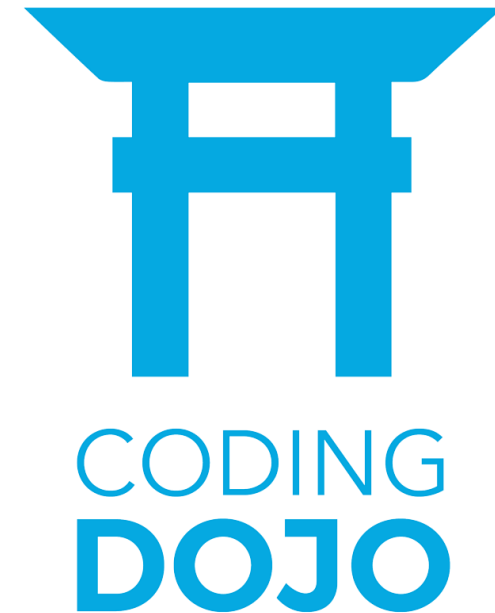


devonfw

# Antes de empezar (Introducción)

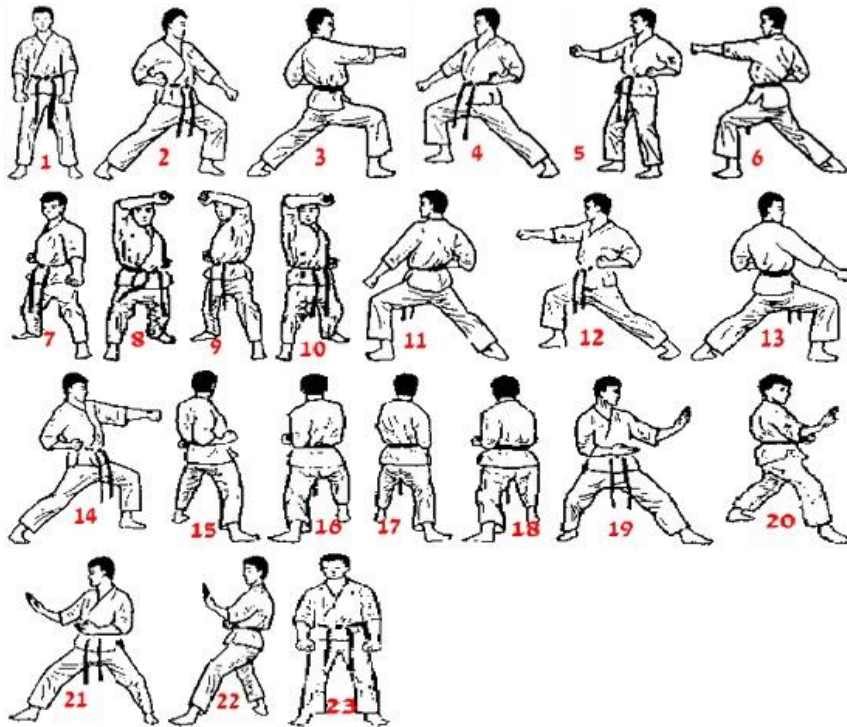


Lugar donde se reúne la gente para practicar y entrenar artes marciales.

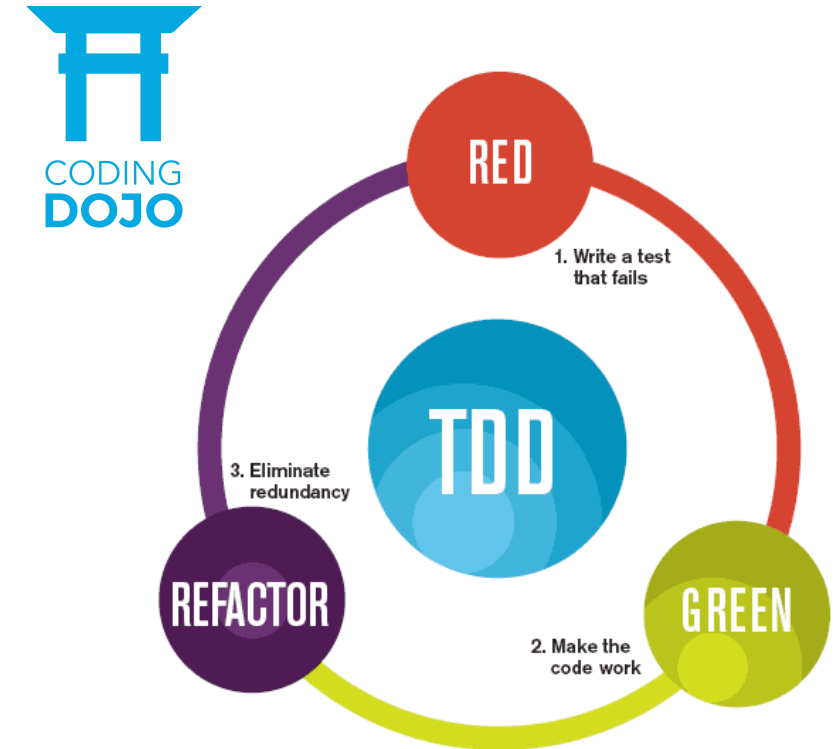


Lugar donde nos reunimos para practicar y entrenar buenas formas de programación.

# Antes de empezar (Introducción)



Ejecutan Katas para aprender los movimientos y las técnicas.



Usamos TDD  
Desarrollamos por consenso



“Cambios en el código para hacerlo más fácil de entender y más barato de modificar, **sin alterar su comportamiento observable**”

- Martin Fowler -

# Antes de empezar (Refactor)



## Basic smells

**COMMENTS**

MAGIC NUMBER

**LONG METHOD**

DUPLICATE METHOD

**LARGE CLASS**

LONG PARAMETER LIST

## Design smells

**SWITCHS**

PRIMITIVE OBSESSION

**MESSAGE CHAINS**

SPECULATIVE GENERALIZATION

**DATA CLUMPS**

FEATURE ENVY

<https://refactoring.guru/refactoring/smells>



# Práctica

Kata Incomprehensible Finder

# Incomprehensible Finder (Enunciado)



Here is the bad news: the new developer you hired has written some terrible, atrocious code. No one can understand what it does.

The good news: at least there are unit tests to prove the code is working.

Your job is to refactor the code and make it readable, while keeping the code in working order (pass all tests).

# Incomprehensible Finder (Enunciado)



## Tips:

- Start with simple rename refactors so you can better understand the abstractions you are working with. Rename any class or any variable.
- Move on to extract methods and making the code more modular.
- See if you can also eliminate switch statements and multiple exit points from methods.

Anything is fair game, create new classes, new methods, and rename tests. The only restriction is that the existing tests have to keep working. Lean on the tests and run them after every small change to make sure you are on the right path.

You can stop when you feel the code is good enough, something you can come back to in 6 months and understand.





# devonfw



**People matter, results count.**

This message contains information that may be privileged or confidential and is the property of the Capgemini Group.

Copyright © 2017 Capgemini. All rights reserved.

Rightshore® is a trademark belonging to Capgemini.

## About Capgemini

With more than 190,000 people, Capgemini is present in over 40 countries and celebrates its 50th Anniversary year in 2017. A global leader in consulting, technology and outsourcing services, the Group reported 2016 global revenues of EUR 12.5 billion. Together with its clients, Capgemini creates and delivers business, technology and digital solutions that fit their needs, enabling them to achieve innovation and competitiveness. A deeply multicultural organization, Capgemini has developed its own way of working, [the Collaborative Business Experience™](#), and draws on [Rightshore®](#), its worldwide delivery model.

Learn more about us at

[www.capgemini.com](http://www.capgemini.com)

This message is intended only for the person to whom it is addressed. If you are not the intended recipient, you are not authorized to read, print, retain, copy, disseminate, distribute, or use this message or any part thereof. If you receive this message in error, please notify the sender immediately and delete all copies of this message.