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Test your God d*mn ReST APIs

LEBEAU Mike

What is a ReST API ?

API is for **Application Programming Interface**

ReST is for **Representational State Transfer**

It's a **contract** that explain how we use the service

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Why test ?

Allow to be **sure** about expected result!

To be **safe** about **breaking** nothing!

To **reduce** our feedback loop!

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How to code serenely

Write tests

Rest-Assured

Rest assured

"Given-When-Then is a **style of representing** tests

And…

The **given** part **describes the state** of the world **before you begin** the behavior you're specifying in this scenario. You can **think** of it as **the pre-conditions** to the test.

...

...

The **when** section is that **behavior** that you're **specifying**.

...

...

Finally the **then** section describes the **changes** you **expect** due to the specified behavior."

Martin Fowler

Let's code!

Automate your tests

- Docker
- Jenkins/Gitlab-CI
- Kubernetes
- Domain Specific Language

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Conclusion

Trick and tips

GivenWhenThen by Martin Fowler (en):
https://martinfowler.com/bliki/GivenWhenThen.html

Le TDD (fr):
https://putaindecode.io/fr/articles/tdd/

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