
Stefan Djokic

CQRS

in real world...

swipe >>>

First, what is CQRS?

**CQRS stands for:
Command Query
Responsibility Segregation.**

CQRS is an architectural pattern that separates the concerns of reading data from the concerns of updating data, by having different objects handle reading and updating data.



**Okay, okay,
I will explain you**

swipe >>>

Let's go to the kitchen



This is
the chef

He is responsible for

Cooking orders

=

executing
commands

checking if ingredients
are available

=

querying the state
of the kitchen

the chef



have a separate set of tools for

**Executing
commands**

- stove, oven...

**Querying the
state**

- fridge, pantry...

would — have set of skills for

**Executing
commands**

- cooking techniques

**Querying the
state**

- inventory management

use different processes for

**Executing
commands**

- following a recipe

**Querying the
state**

- checking inventory levels

Examples from the kitchen

- A command could be to Create a new order
- A query could be to Get the list of available ingredients
- Another command could be to Update the inventory level of an ingredient
- Another query could be to Get the list of orders that are ready to be served

Conclusion

By separating the concerns of reading and updating data, the chef's work is more organized, manageable, and less prone to errors.

And the same applies to software systems that use CQRS, it makes the code more organized and manageable, and less prone to errors.

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