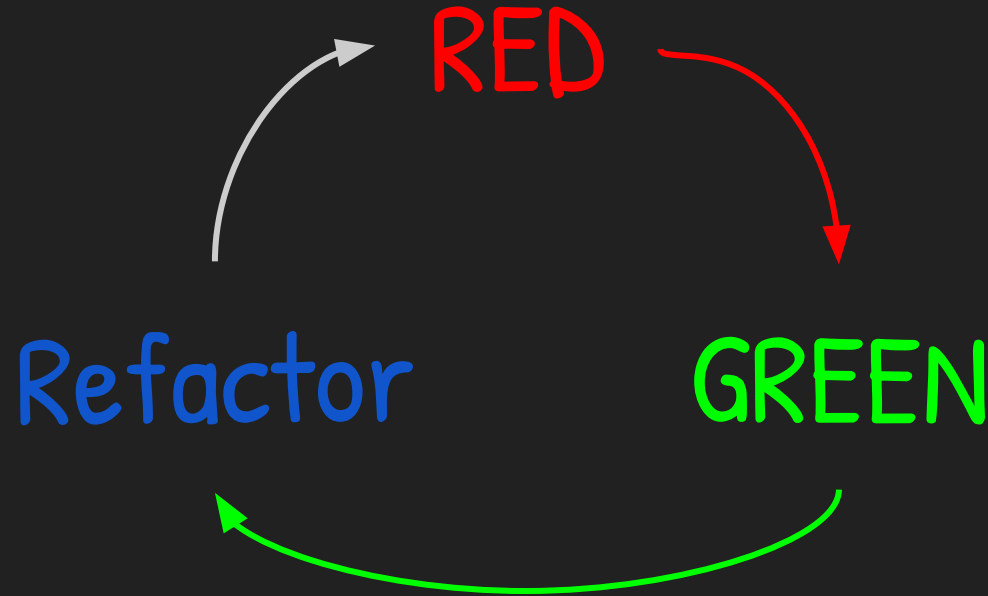


# Test Driven Development



1) TDD - TEST FIRST

2) Arq. HEXAGONAL

3) **C.Q.R.S** ( **Command Query** Responsibility Separation )

# BACKEND SPRING BOOT

Kanban

http

**POST** /v1/buckets

```
{  
  "id": "c86e2bc7-b777-4e",  
  "pos": 1,  
  "name": "TODO"  
}
```

RESPONSE: 204

jdbc



# BACKEND SPRING BOOT

Kanban

http

POST /lists

```
{  
  "id": "c86e2bc7-b777-4e72-a955",  
  "name": "TODO"  
}
```

@Controller

DTO

Service

Entity

repository

Jdbc



# BACKEND SPRING BOOT

Kanban

http

POST /lists

```
{  
  "id": "c86e2bc7-b777-4e72-a955",  
  "name": "TODO"  
}
```

adapter

domain

adapter

@Controller

DTO

Service

Entity

repository

Jdbc



# BACKEND - SPRING BOOT

Kanban

http

**POST** /v1/buckets

```
{  
  "id": "c86e2bc7-b777-4e",  
  "pos": 1,  
  "name": "TODO"  
}
```

RESPONSE: 204

write / stateful

read /stateless

**GET** /lists

```
RESPONSE:  
[  
  {  
    "pos": 1,  
    "name": "TODO"  
  },  
  {  
    "pos": 2,  
    "name": "DOING"  
  }  
]
```

Adapter (in)

Domain

Adapter (out)

@Controller

Command

Handler

Entity

repository

Jdbc

@Controller

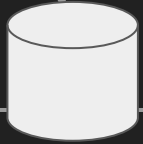
DTO

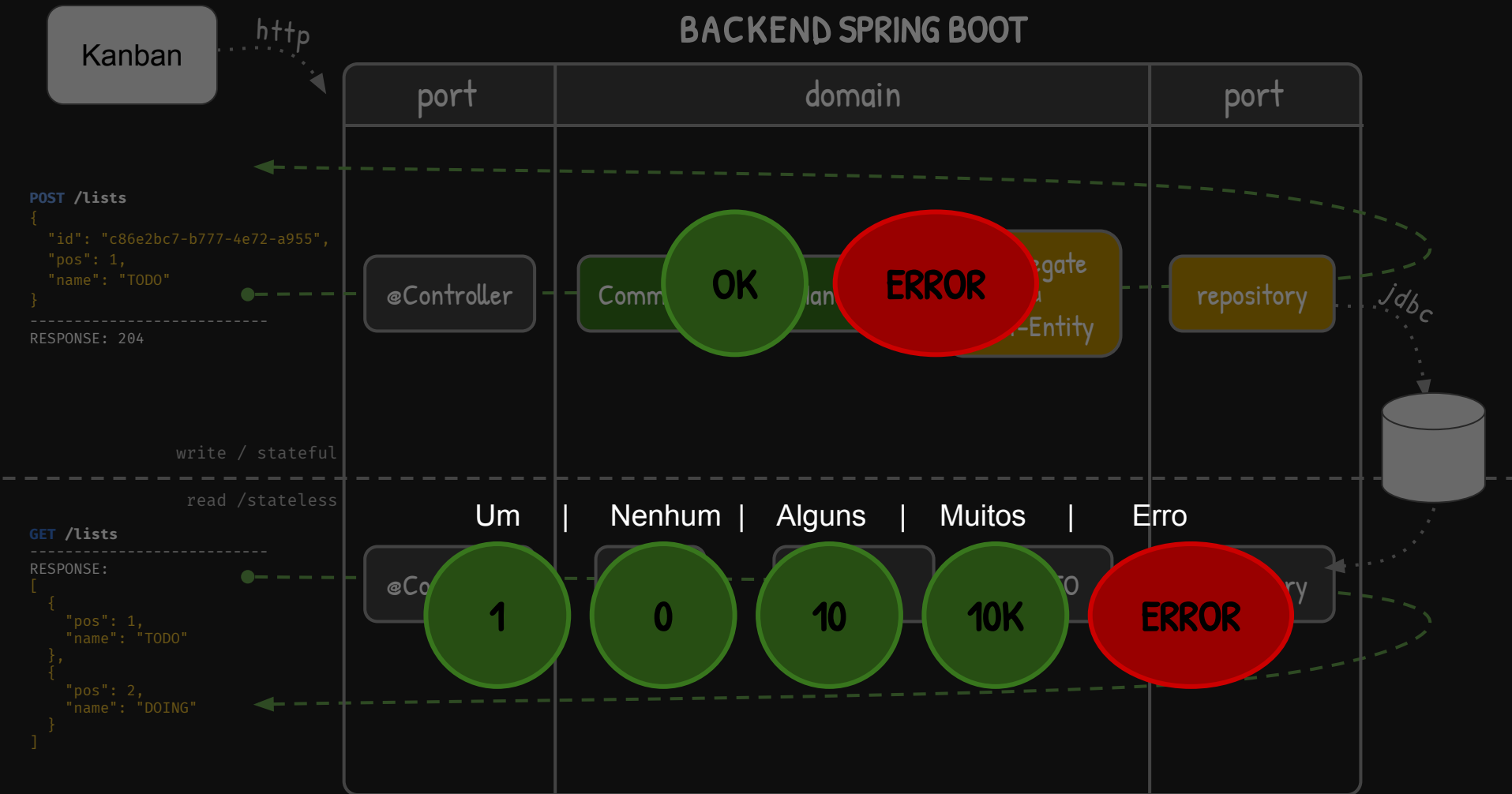
Service

DTO

repository

Jdbc





Kanban

http

## BACKEND - SPRING BOOT

Adapter (in)

Domain

Adapter (out)

Controller

Command

Handler

Entity

repository

Jdbc

DB

write/stateful

read/stateless

Controller

DTO

repository

**POST** /v1/buckets

```
{  
  "id": "c8e2c-b777",  
  "pos": 2,  
  "name": "DOING"  
}
```

**RESPONSE: 201**

**GET** /v1/buckets

**RESPONSE:**

```
[  
  {  
    "pos": 1,  
    "name": "TODO"  
  },  
  {  
    "pos": 2,  
    "name": "DOING"  
  }  
]
```