

CQRS

Command Query Responsibility Segregation

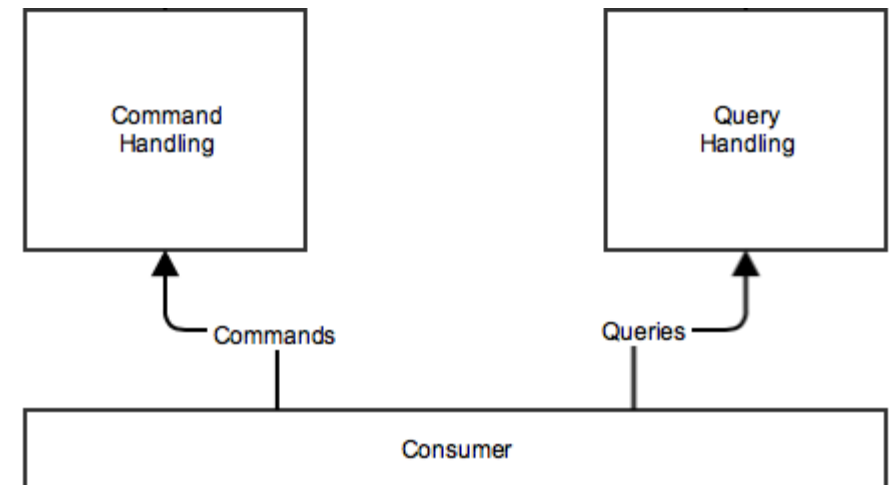
write model & **read** model

Commands

- Changes State
- Returns void

Queries

- Don't make side effects
- Returns data



```
class OrderService {  
    Order getOrder() { ... }  
    void placeOrder() { ... }  
}
```

Read - Returns state

Write – Changes State, does not returns state

```
class OrderReadService {  
    Order getOrder() { ... }  
}
```

```
class OrderWriteService {  
    void placeOrder() { ... }  
}
```

GET : Query

POST : Command

PUT: Command

DELETE : Command

...

Pros

- Horizontal scalability
- High availability
- Audit / tracking / tracing
- domain objects and UI component separation

Cons

- Complexity?

