Agenda.

→ Response Entity

→ Exception Handling

Product getProductById(id) {

}

HTTP Status Code.

- 200
- 404
- 502

scaler.com/abc

2xx ⇒ Successful Status.

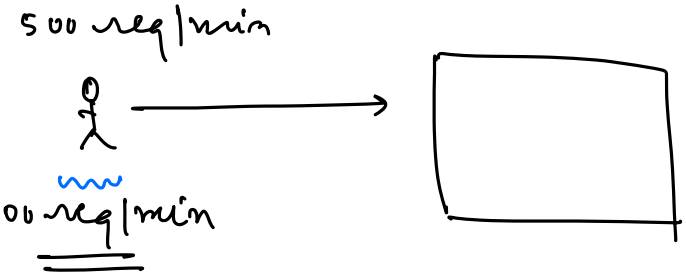
3xx ⇒ Redirection Status.

4xx ⇒ Client Side Error.

5xx ⇒ Server Side Error.

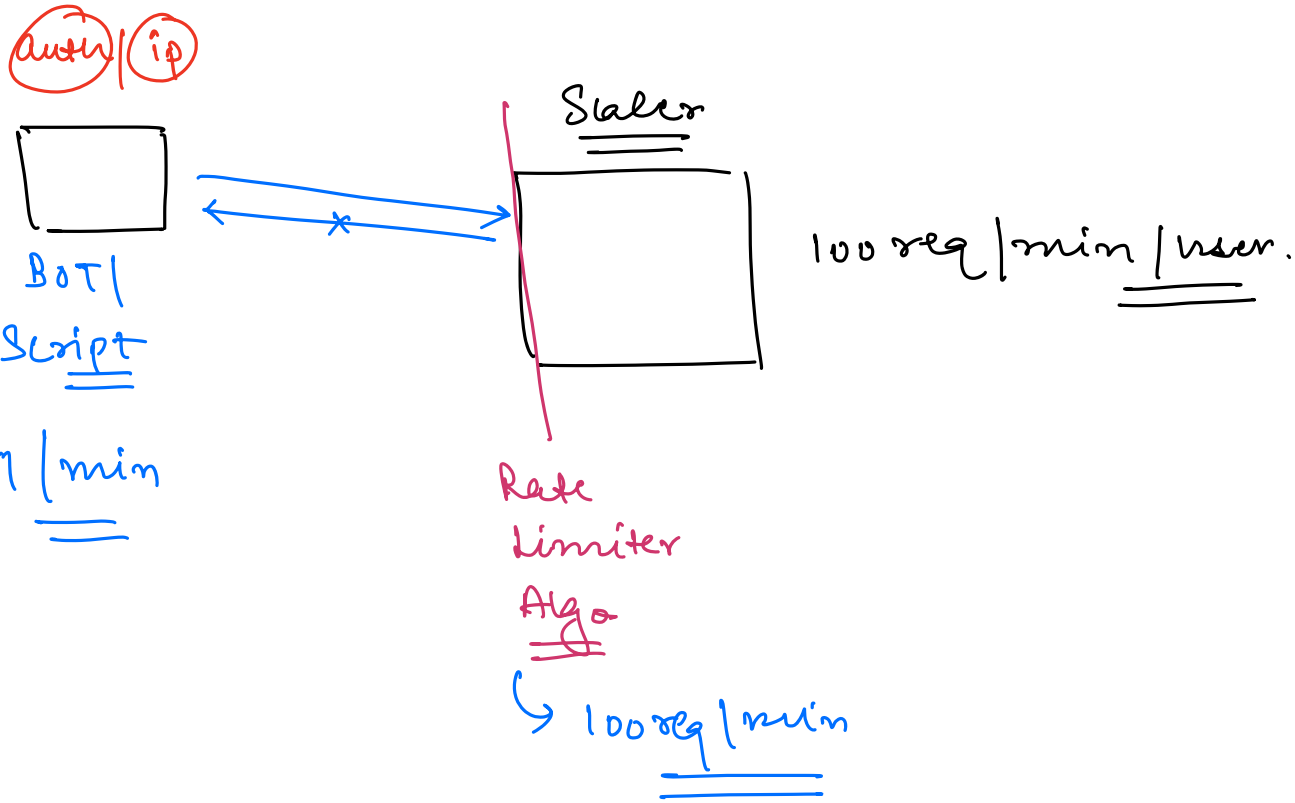
Rate limiter

DDOS.



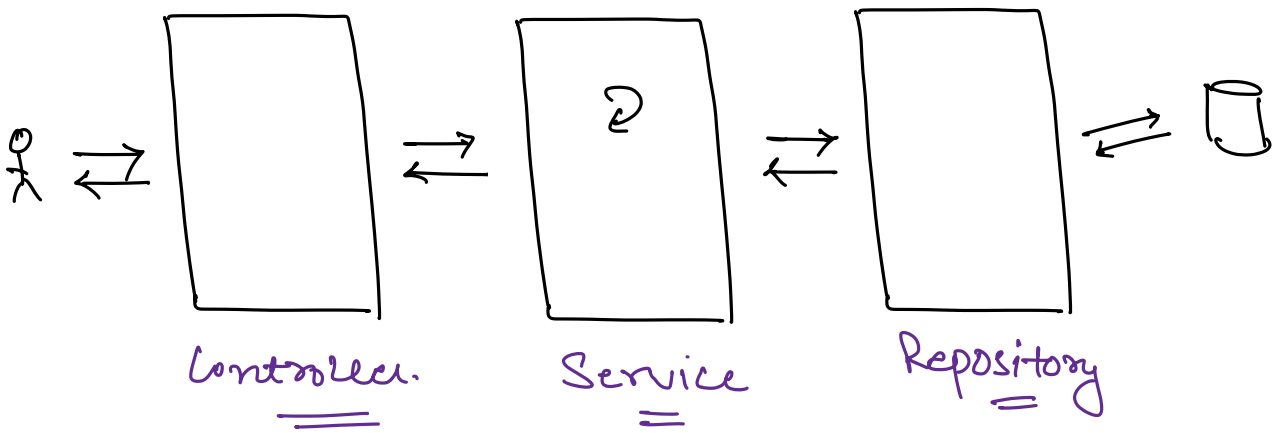
Too many Requests ⇒ 429.

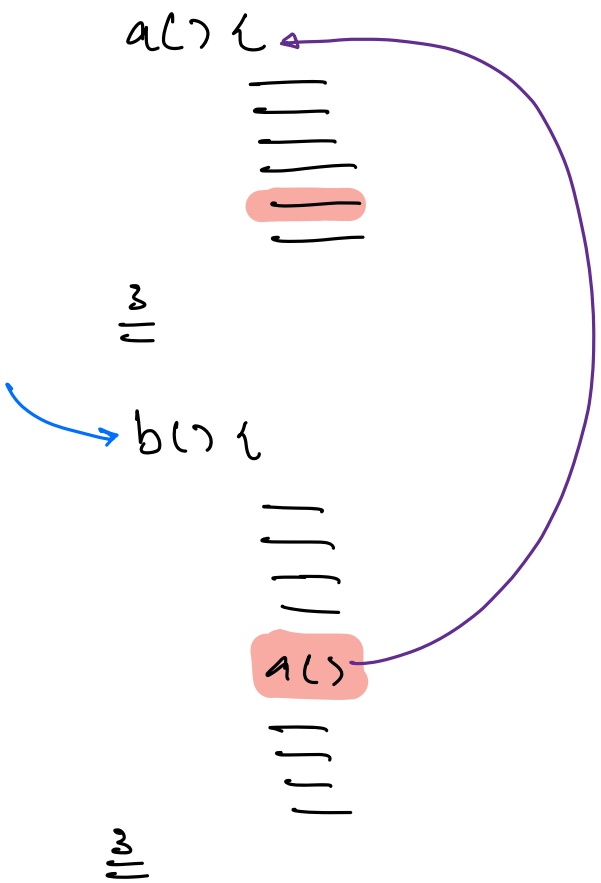
DDOS : Distributed Denial of Service



⇒ Response Entity.

Handling Exceptions in Spring Boot App^n

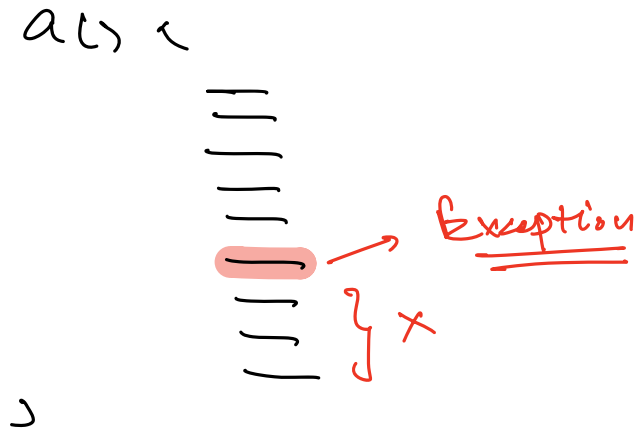




Exceptions. → Handle

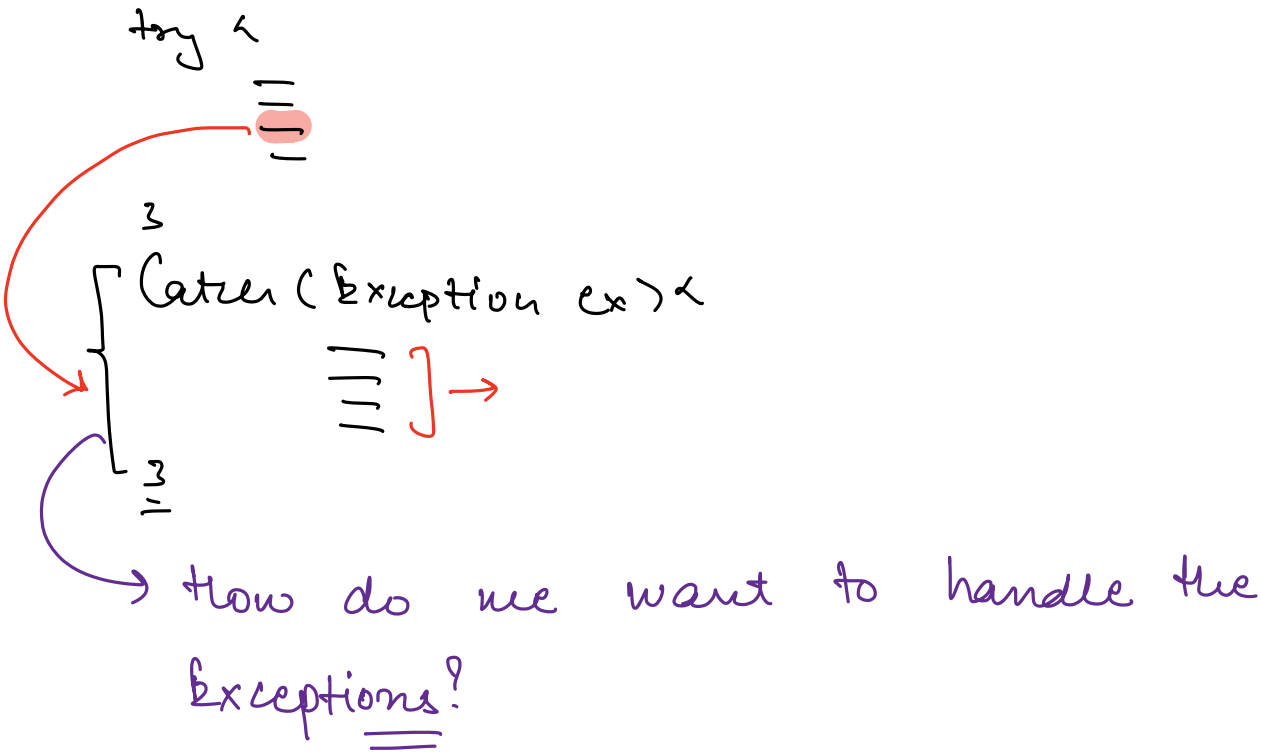
→ Pass on it to the caller fun^.

⇒



⇒ Whenever an Exception is thrown, we should try to send a meaningful response back to the client instead of exposing the complete stack trace.

⇒ Exception Handling



try {
    ==
    ==
    ==
    ==
}
Catch(UnauthorizedEx) {
    ==
    ==
    ==
    ==
}
Catch(UserNotFoundEx) {
    ==
    ==
    ==
    ==
}
Catch(== ==) {
    ==
    ==
    ==
    ==
}

ProductController {
    ==
    ==
    ==
    try { == }
    Catch(--) {
        ==
        ==
        RTE
    }
}

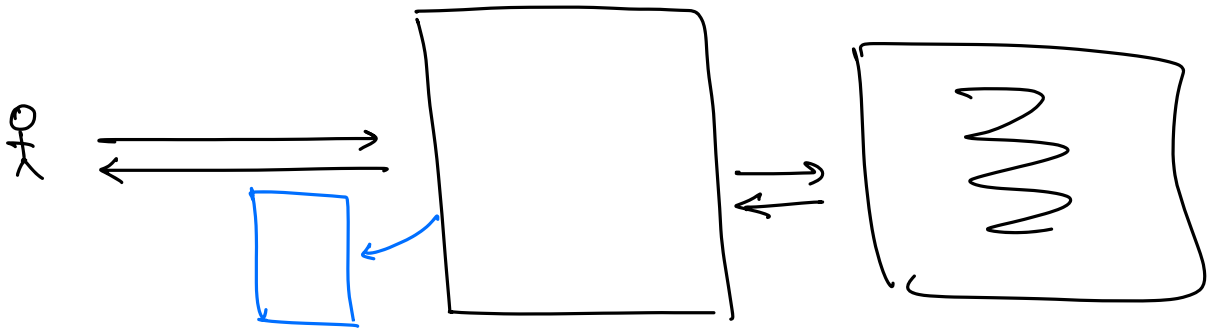
CategoryController {
    ==
    ==
    ==
    try { == }
    Catch(--) {
        ==
        ==
        RTE
    }
}

==
==
==
try { == }
Catch(--) {
    ==
    ==
    RTE
}

⇒ Code Duplicacy.

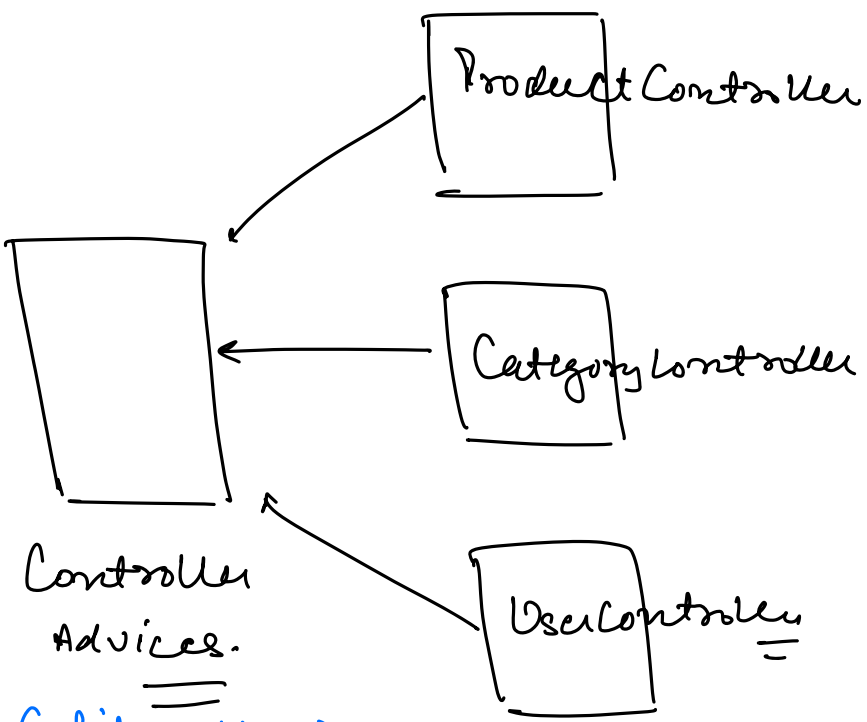
Controller Advices.

↳ Global Exception Handler



↓

Exceptions should be handled at Controller layer



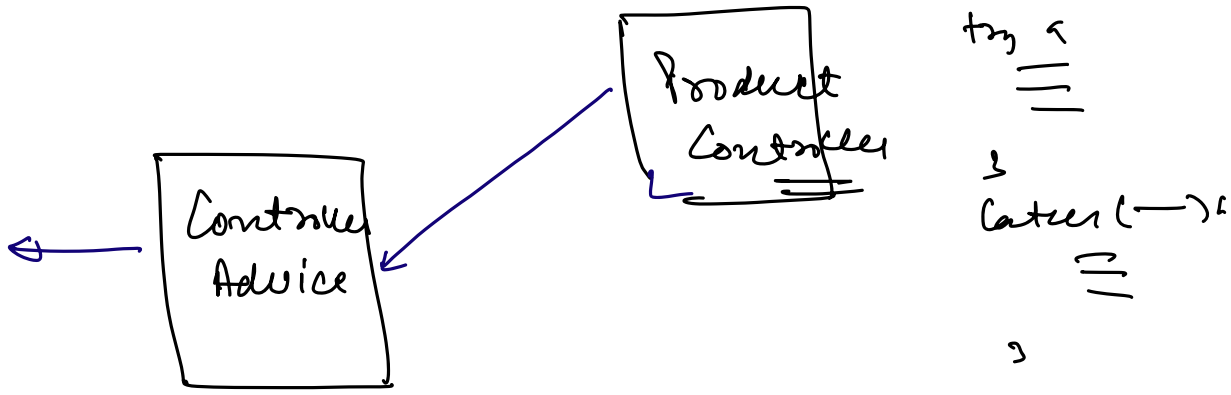
=> Additional Check on whatever is being returned by the Controller.

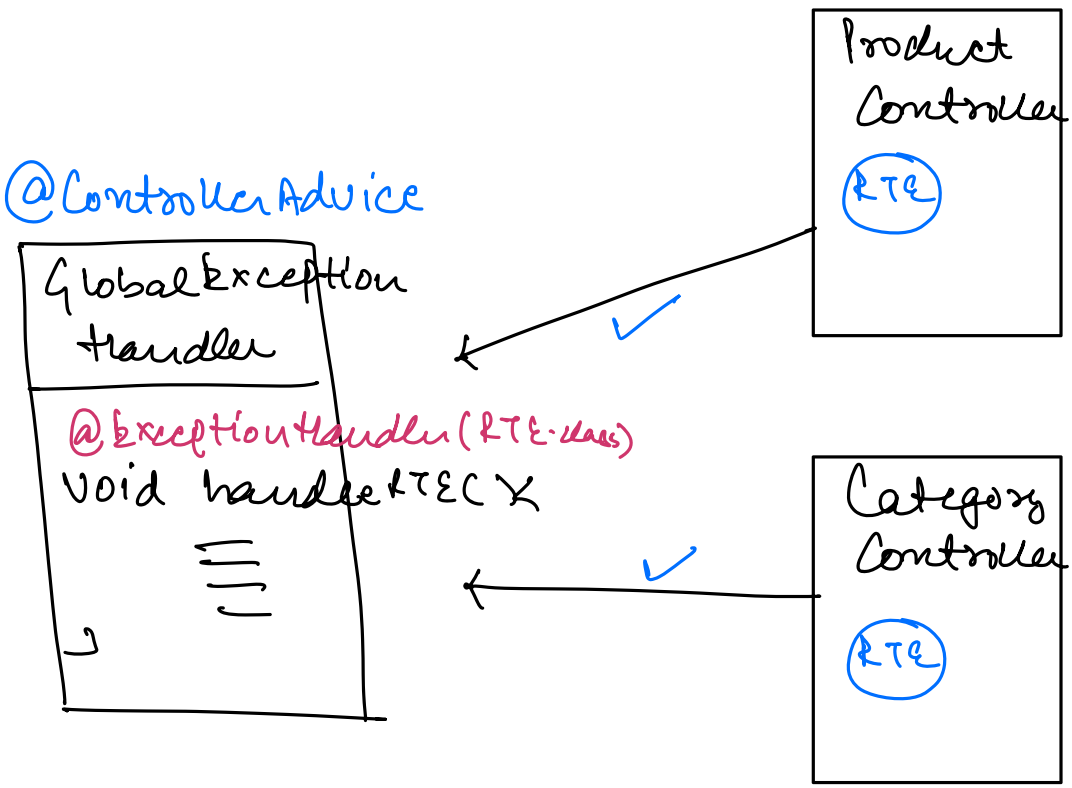
=> We can use Controller Advices to handle exceptions coming from any controller at Common place.

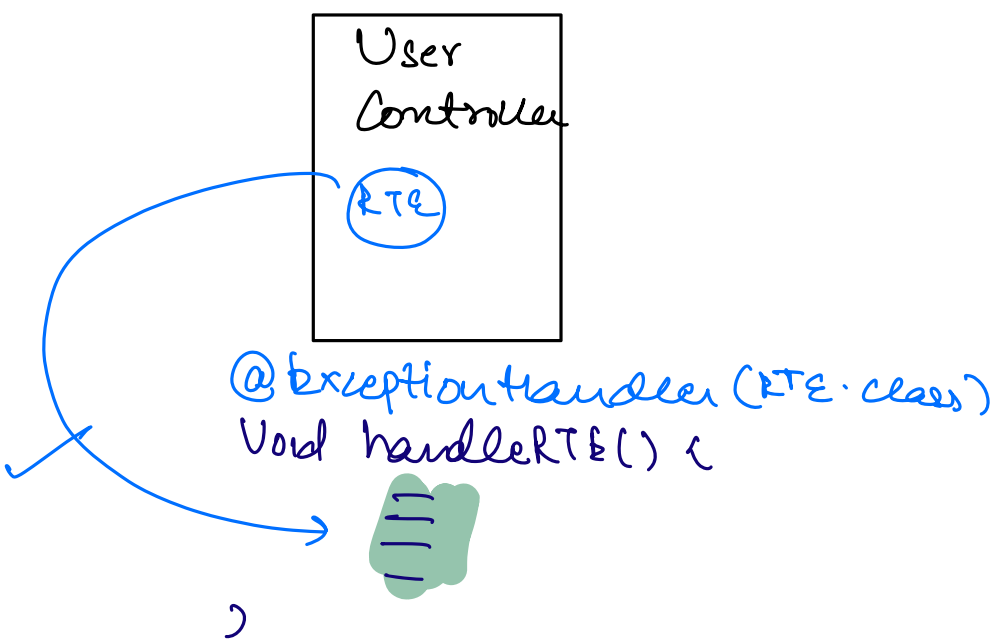
```
@ControllerAdvice
Class GlobalExceptionHandler {

    @ExceptionHandler(RuntimeException.class)
    Void handleRTE() {
        ——
        ——
        ——
        ——
    }

    @ExceptionHandler(UnAuthException.class)
    Void handleUnAuthException() {
        ——
        ——
        ——
        ——
    }
    ——
    ——
    ——
}
```


Product Controller
Controller Advice
try {
}
Catch (—) {
}


@ControllerAdvice
GlobalException Handler
@ExceptionHandler(RTE.class)
void handleRTE() {
}
Product Controller
RTE
Category Controller
RTE


User Controller
RTE
@ExceptionHandler(RTE.class)
Void handleRTE() {
}