

- First, we have to change the route. In this case, we have to put the /id in the annotation value.
- After that, we have to put the annotation @PathVariable in the id of the method to equal the id route in JSON request.

```
@GetMapping(value =("/{id}") //endpoint GET
public ResponseEntity<ClientDTO> findById(@PathVariable Long id){ //This is a endpoint to a client by id
    ClientDTO dto = service.findById(id);
    return ResponseEntity.ok().body(dto);
}
```

- Now, implement the findById() service method
- When we put the repository, we have a method findById that return a optional object. We have to convert him.

```
@Transactional(readonly = true)
public ClientDTO findById(Long id) {
    Optional<Client> obj = repository.findById(id);
    Client entity = obj.get();
    return new ClientDTO(entity);
}
```

- But, if we put a wrong id in the request we get the 500 error. We have to treat this error

Body Cookies Headers (4) Test Results ⓘ Status: 500 Internal Server Error

Pretty Raw Preview Visualize JSON

```
1
2 {"timestamp": "2021-01-14T23:41:29.736+00:00",
3  "status": 500,
4  "error": "Internal Server Error",
5  "message": "",
6  "path": "/clients/5"}
7
```