Validating the Response Body

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Overview

Extract the body from the response

Extract specific values from simple and complex JSON

Use Fluent Interface verifications

```
// headers
status: 200 OK
content-type: application/json; charset=utf-8
// body
{
id: 123
name: xyz
nested: {
   field1: value1
   }
}
```

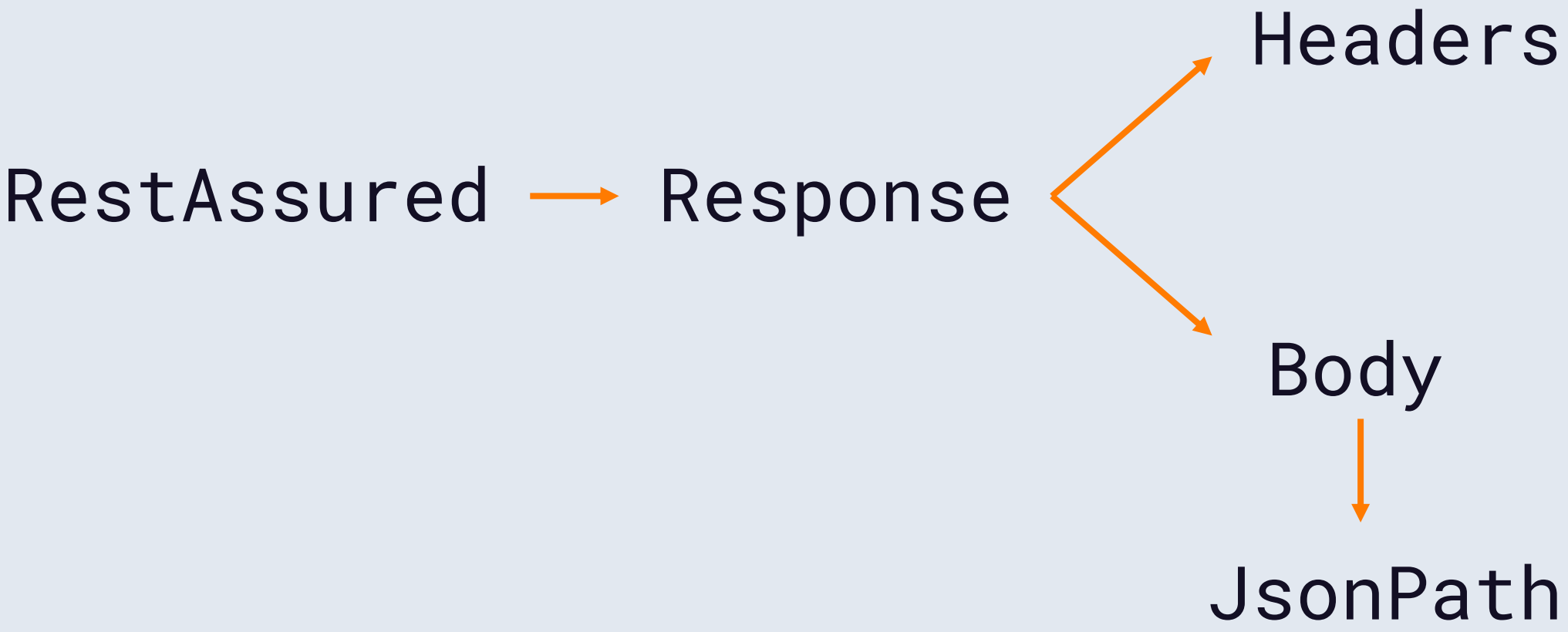
```java
// headers
String actual = response.getHeader("headerX");

// body
ResponseBody<?> body = response.getBody();
ResponseBody<?> body1 = response.body();
```

ResponseBody Methods

asByteArray(), asInputStream()

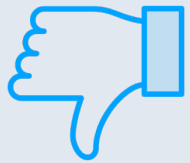
asString()

jsonPath(), xmlPath()


RestAssured
Response
Headers
Body
JsonPath

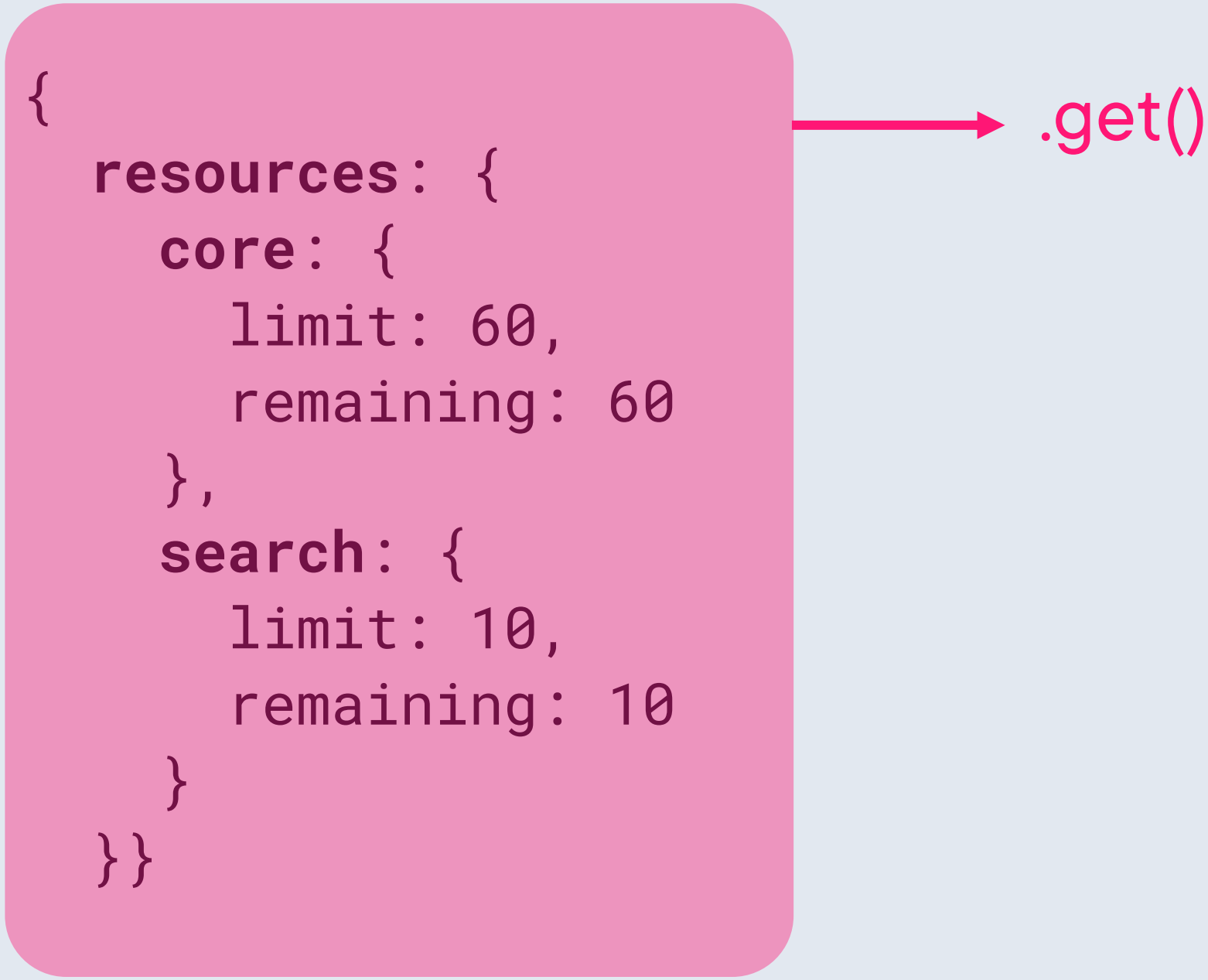
```
{
  resources: {
    core: {
      limit: 60,
      remaining: 60
    },
    search: {
      limit: 10,
      remaining: 10
    }
  }}
```

.asString().substring(...).contains("60");

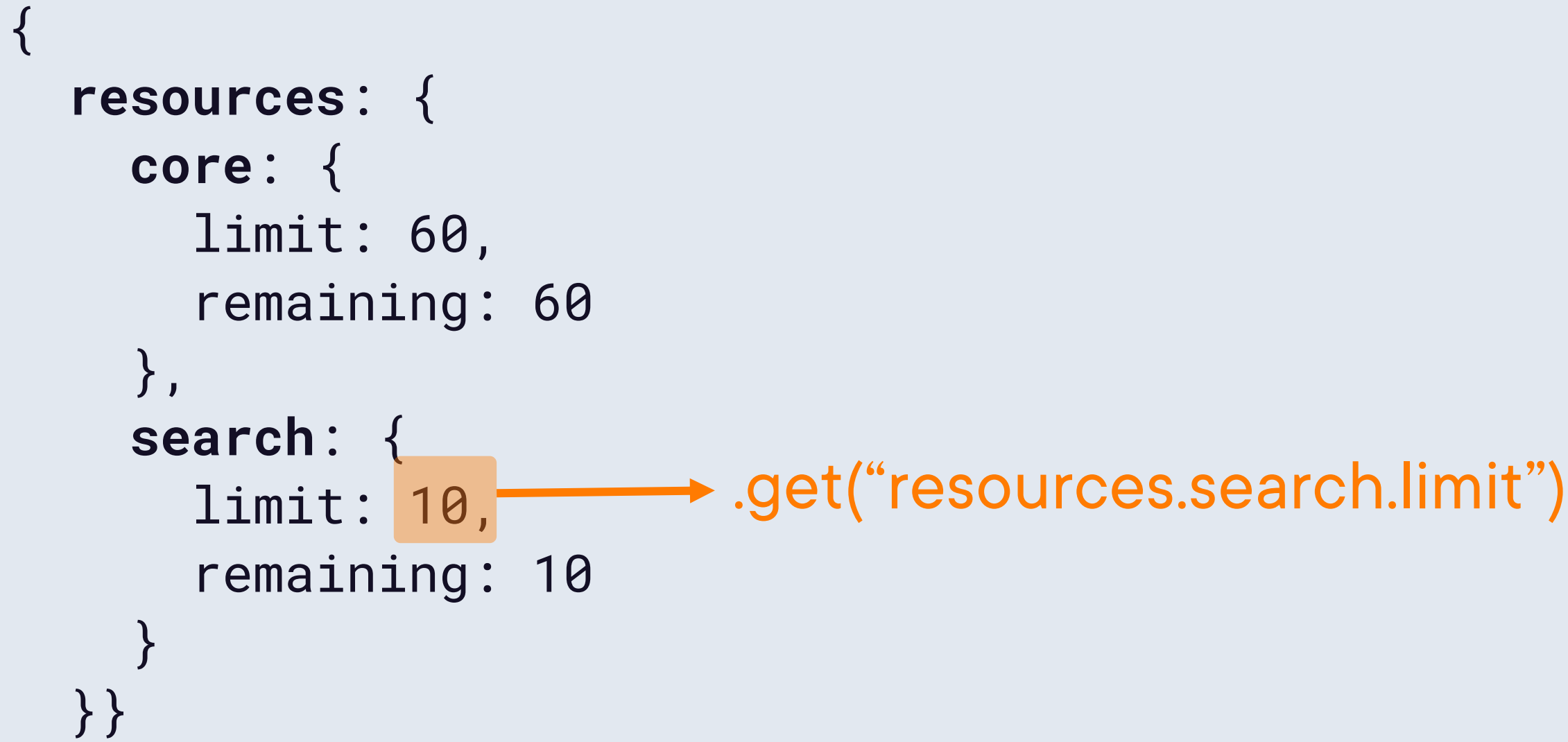


.jsonPath().get() Map > Map > Map

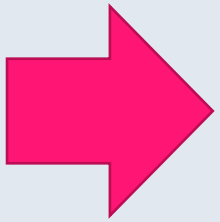
.jsonPath().get("path.to.node") Map > Map


{
resources: {
core: {
limit: 60,
remaining: 60
},
search: {
limit: 10,
remaining: 10
}
}}
.get()


{
resources: {
core: {
limit: 60,
remaining: 60
},
search: {
limit: 10,
remaining: 10
}
}}
.get("resources.core")

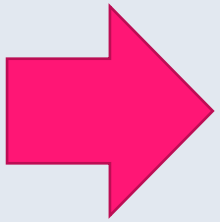

{
resources: {
core: {
limit: 60,
remaining: 60
},
search: {
limit: 10,
remaining: 10
}
}}
.get(“resources.search.limit”)

```
int v =
response.statusCode();
```



```
then().statusCode(200)
```

```
int v =
jPath.get("…");
```



```
then()

.body("…", Matcher m)
```

```
RestAssured.get(url)
           .then()
           .body(Matcher m, Matcher ms)
           .body(String path, Matcher m, Object… ms)
           [...]
```

```
{
    field1: “value1”
    field2: “value2”
}
```

→ .get(“field1”)

```
{
    node1: {
        field3: “value3”
    }
}
```

→ .get(“node1.field3”)

String v = “node1.nested;”

```
RestAssured.get(url)
           .then()
           .body(“node1.nested.field1”, equalTo(x))
           .body(“node1.nested.field2”, equalTo(y))
           .body(“node1.nested.field3”, equalTo(z))
```

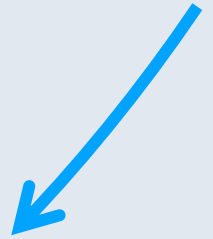
```
RestAssured.get(url)
           .then()
           .rootPath("node1.nested")
              .body("field1", equalTo(x))
              .body("field2", equalTo(y))
              .body("field3", equalTo(z))
```

```
RestAssured.get(url)
           .then()
           .rootPath("node1.nested")
              .body("field1", equalTo(x))
              .body("field2", equalTo(y))
           .rootPath("node2.nested2")
              .body("fieldX", equalTo(z))
```

we keep going!

```
RestAssured.get(url)
           .then()
           .rootPath("node1.nested")
              .body("field1", equalTo(x))
           .rootPath("node2.nested2")
              .body("fieldX", equalTo(z))
           .noRootPath()
           .body("full.path.again", equalTo(a))
```

reset



Rule of Thumb:

Tests should be small, focused and self-contained

```
java.lang.AssertionError: 1 expectation failed.
JSON path data.id doesn't match.
Expected: <1>
  Actual: <[1, 2, 3, 4, 5, 6]>
```

```
.body("data.first_name", contains("Eve", "Emma"))
.body("data.first_name", containsInAnyOrder("Eve", "Emma"))

.body("data.first_name", hasItem("Emma"))
.body("data.first_name",hasItem(endsWith("ma")))
```

Summary

ResponseBody useful methods

body() and jsonPath()

rootPath()

Dealing with repeating items

defaultParser()

Up Next:

Sending Create, Update, and Delete Requests