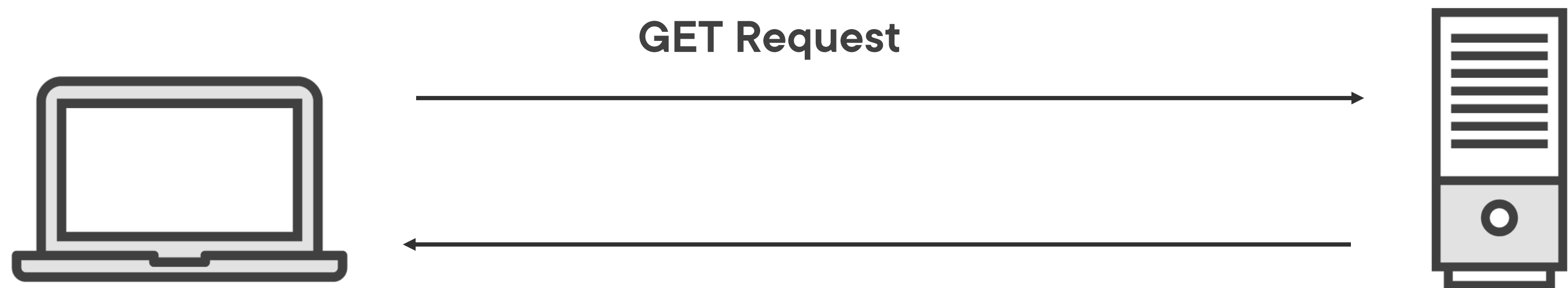


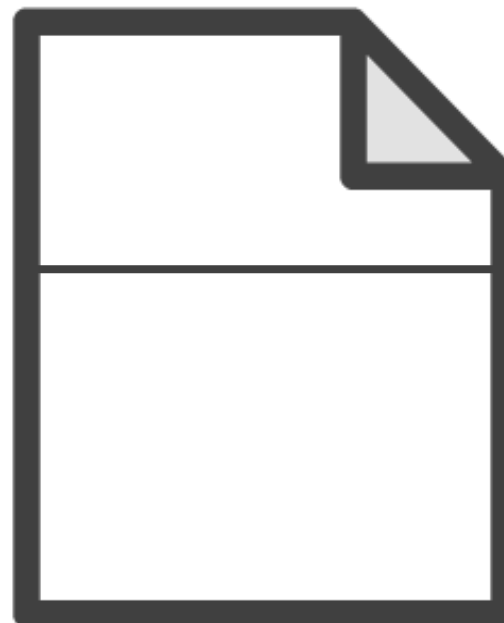
Working with Other HTTP Requests



Andrejs Doronins

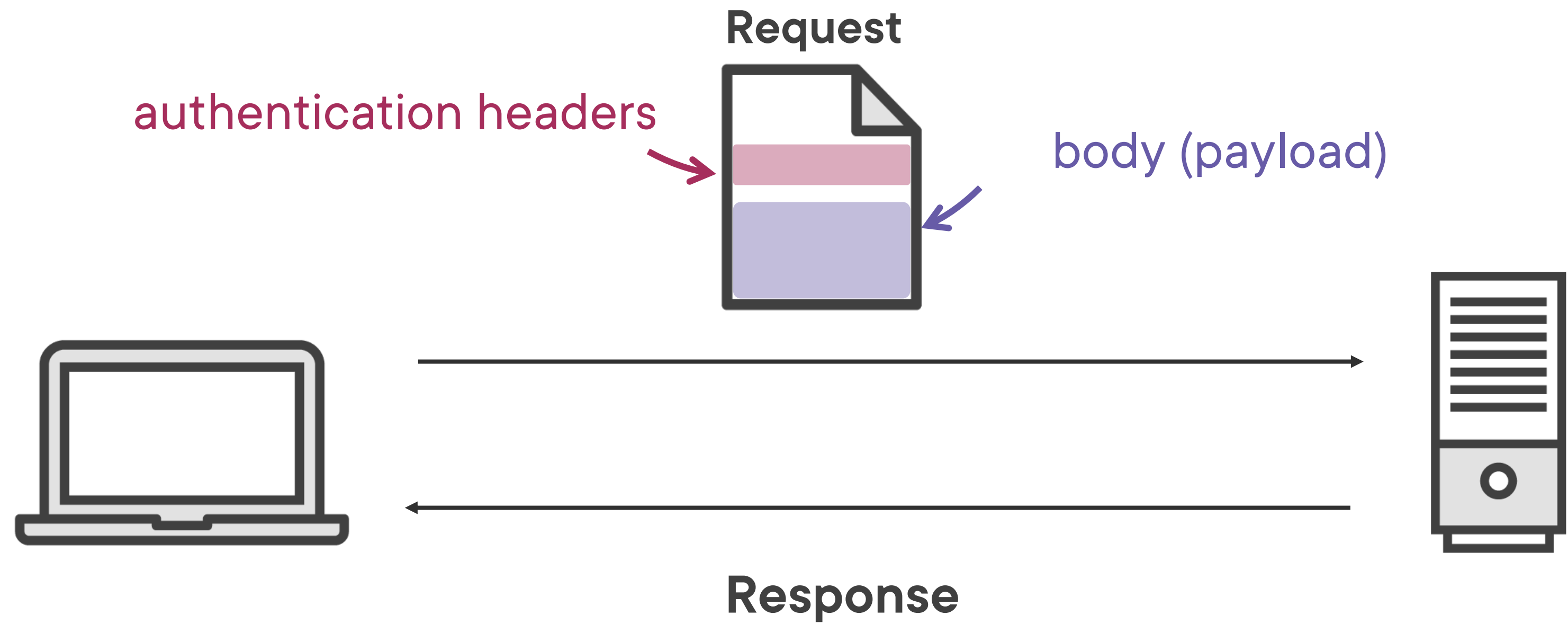


Response



HTTP method	Request has body	Safe
GET	No	Yes
POST	Yes	No
PUT	Yes	No
DELETE	Yes	No

Should require authentication



Overview



Review of HTTP methods

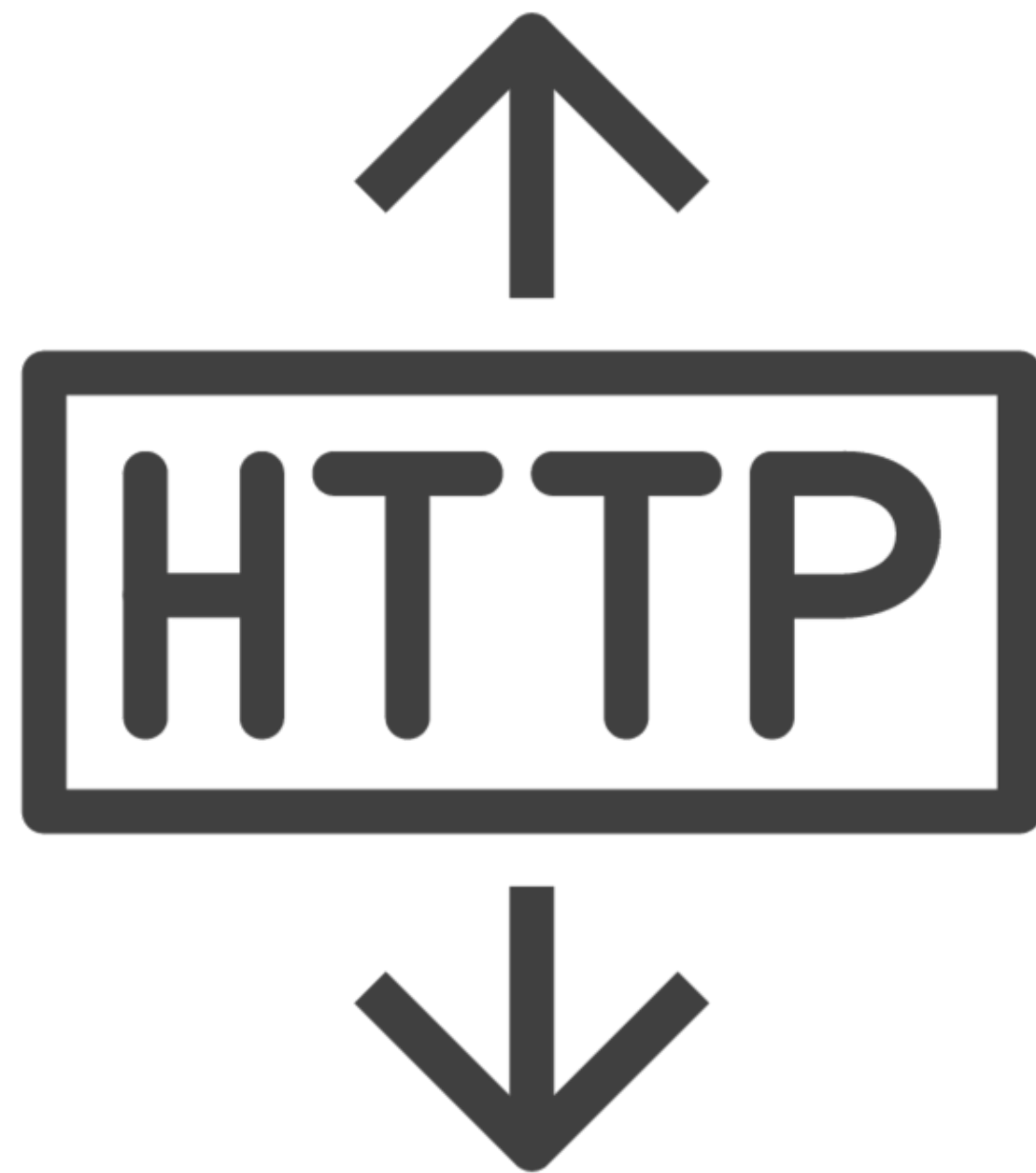
Use HEAD and OPTIONS

Review of BDD

– keywords implemented in REST Assured

POST, PATCH, DELETE

Simple and Safe Methods



GET

- Retrieve data only
- No side-effects

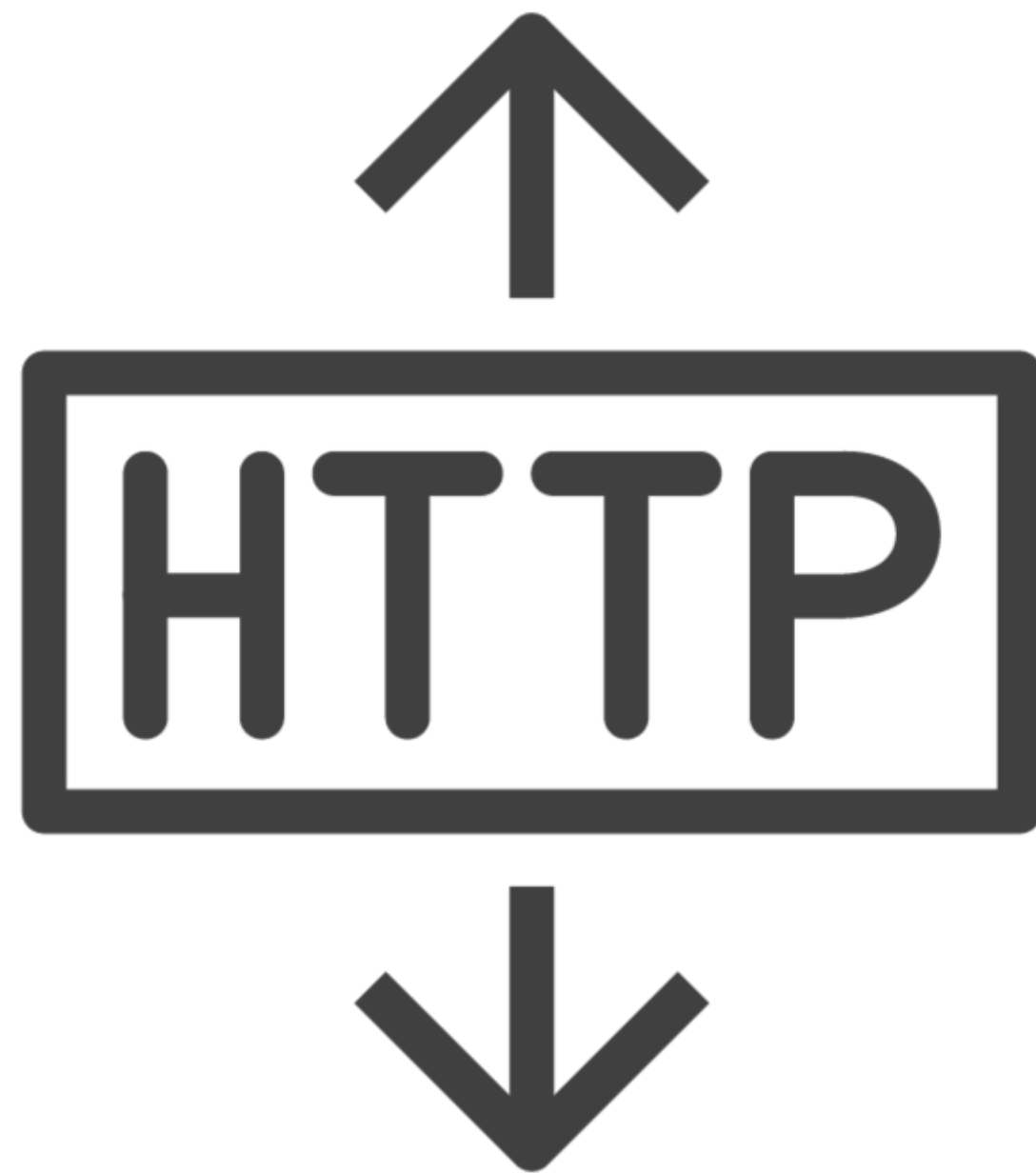
HEAD

- Get headers only, no body
- Useful to fetch metadata fast

OPTIONS

- List of supported HTTP methods

Destructive Methods



POST

- Create from the Request's body

PUT

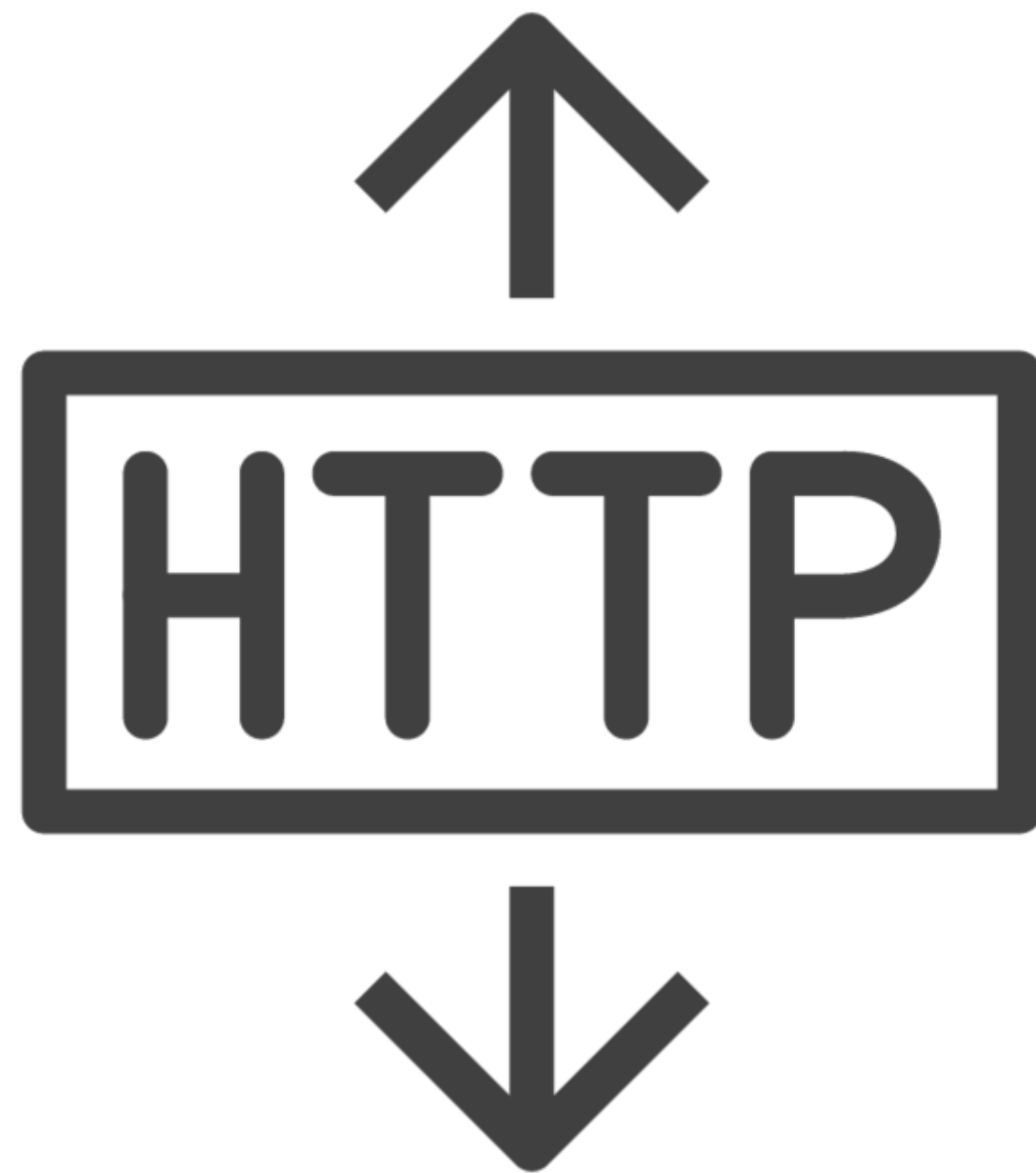
- Create or overwrite an existing resource

PATCH

- Apply partial modifications

DELETE

Honorable Mention



TRACE

CONNECT

BDD: Behavior-driven Development

Keywords:
Given
When
Then

Given: <some condition>

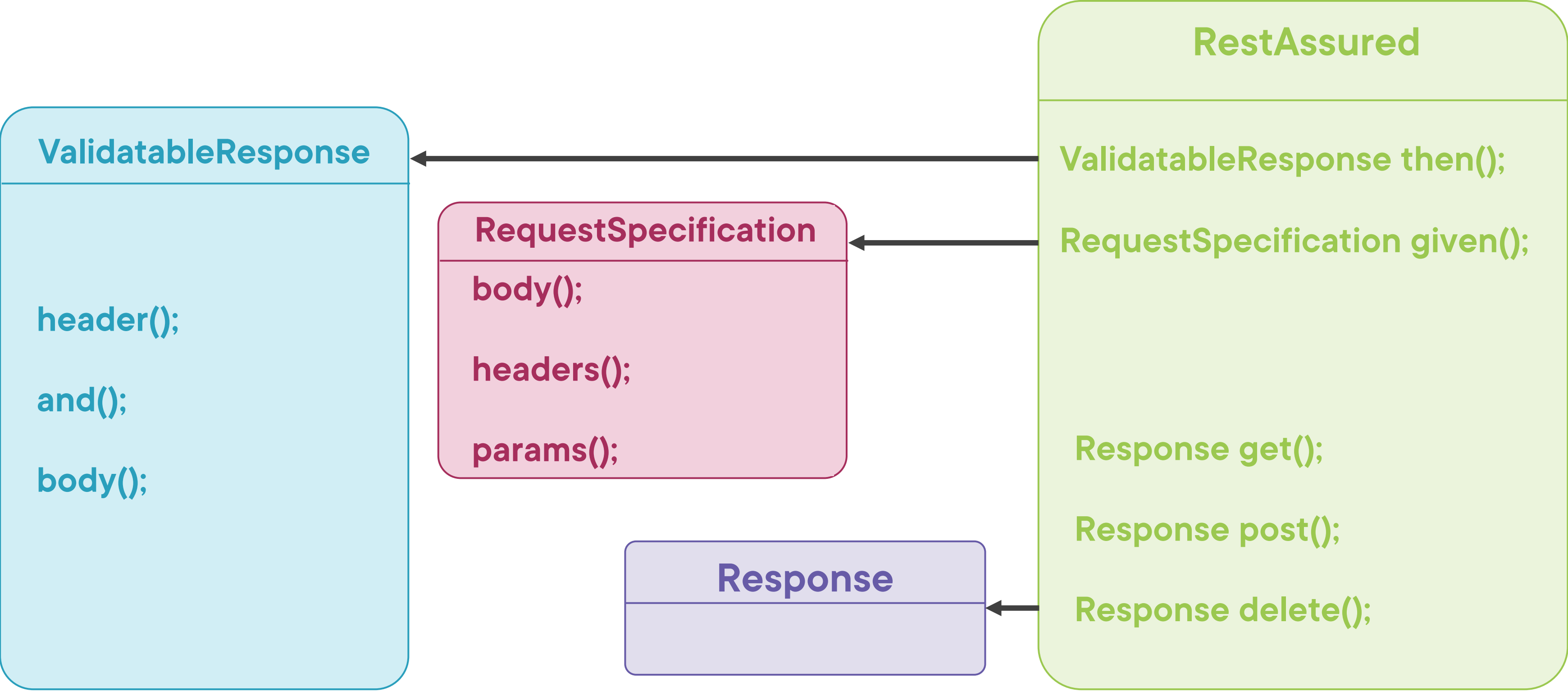
When: <action>

Then: <expected output>

Given: API url is <http://api.github.com>

When: User sends a **GET request**

Then: Response status code is **200**



given()

.header("x", "y")

.body("payload")

.when()

.post("url")

.then()

.statusCode(xyz);

```
given()
```

```
    .auth() // AuthenticationSpecification
```

```
    .basic(...)
```

```
    .oauth2(...)
```

```
    .ntlm(...)
```

```
    .digest(...)
```

```
    .form(...)
```

```
given()
```

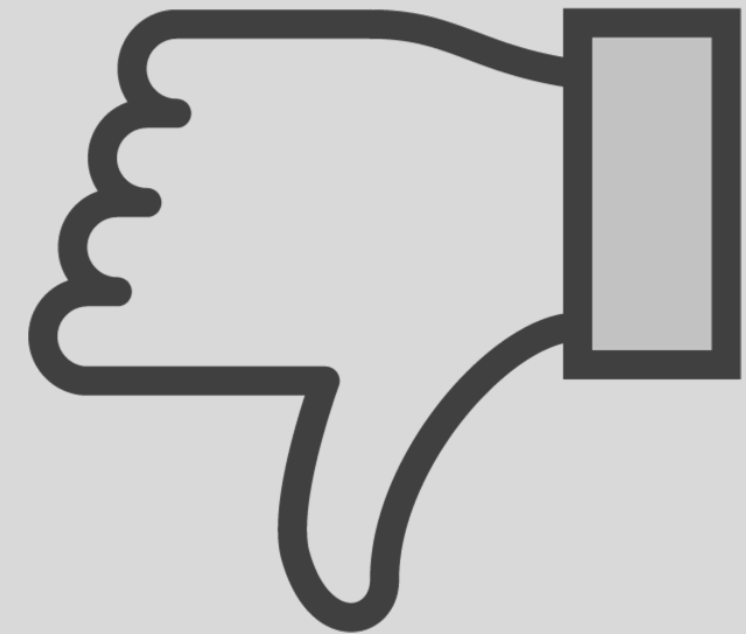
```
    .header("Authorization", "token " + "abc")
```

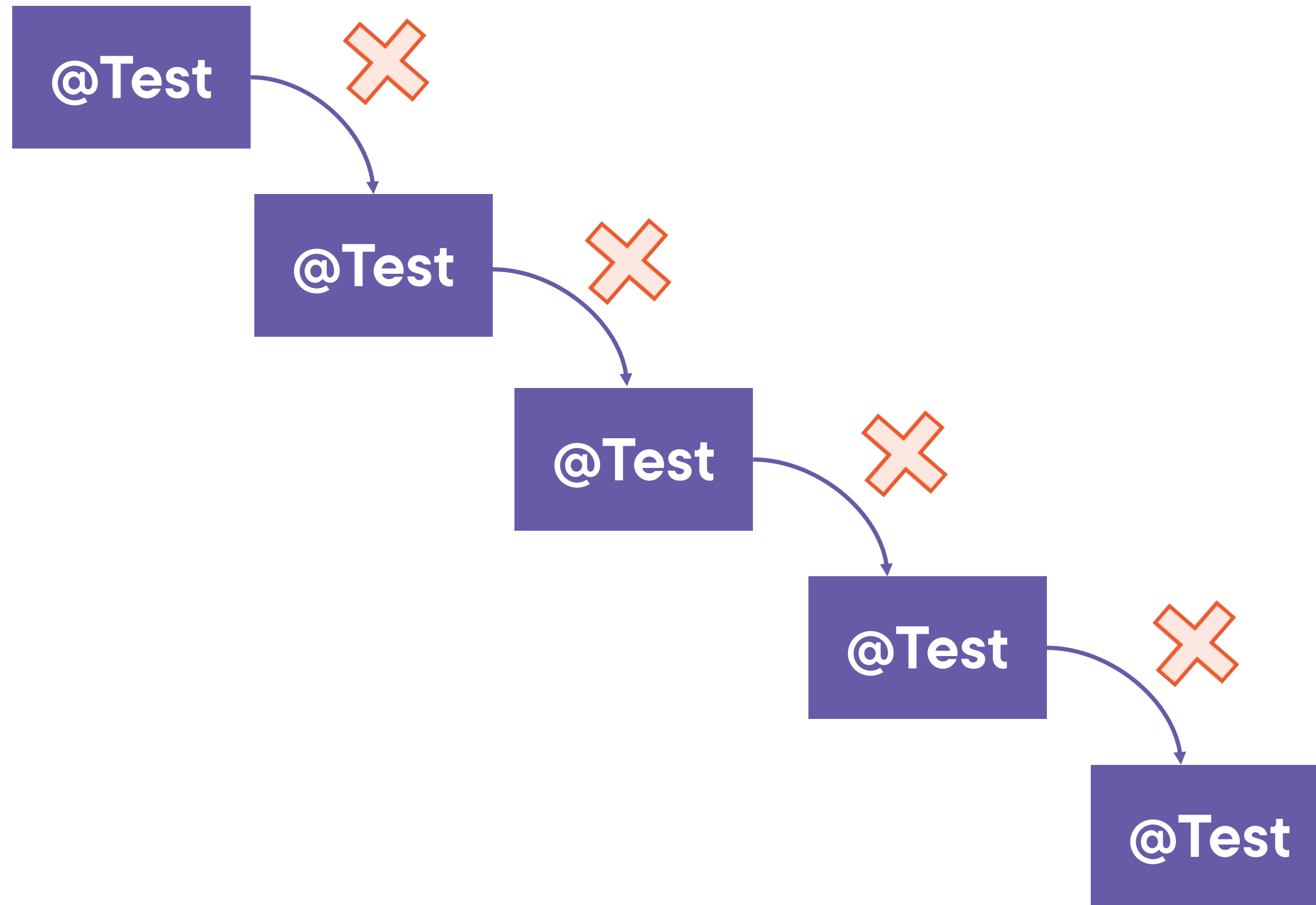
@Test

```
public void postTest() {...}
```

@Test(dependsOnMethods = "postTest")

```
public void deleteTest() {...}
```





GET

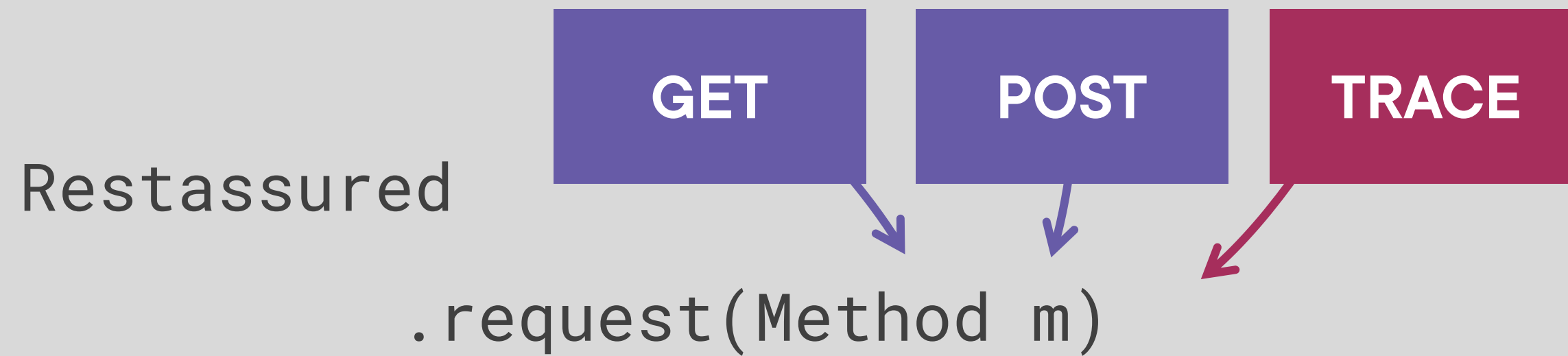
HEAD

OPTIONS

POST

PATCH

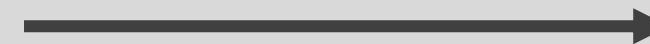
DELETE



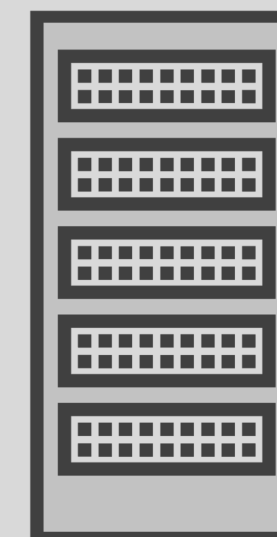
// OR

```
.request(String s)
```

WHATSUP?



REJECTED



Summary



HTTP Methods: GET, POST, PUT, PATCH, DELETE, HEAD and OPTIONS

Practice HEAD and OPTIONS : retrieve metadata

BDD and the Given-When-Then keywords

Set authentication in the header

.request() function

Up Next:
Better Tests with REST Assured
Configuration
