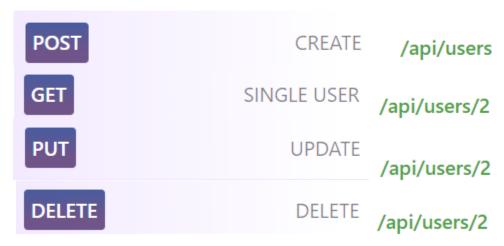
# Serenity VS Karate Workshop

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# Requests to be considered

From the requests offered in the REQRES API (https://reqres.in) 4 are selected corresponding to CRUD functions for a 'user'.



Where the slug '2' of RUD functions is the user ID, and CU functions need a body containing a JSON with user information, like this.

```
{
...."name": "morpheus",
...."job": "leader"
}
```

CR functions will be automated with Serenity, and UD ones with Karate.

#### Postman tests

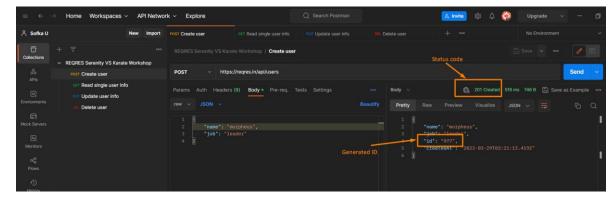
#### Create

There are 2 scenarios, when a valid JSON is sent and when it is not.

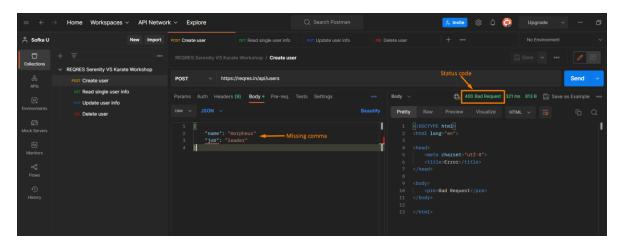
In the first, an ID is generated, and the status code corresponds to 201 Created. This is indifferent to the attributes that the JSON may have.

In the other, it returns an HTML file and a status code 400 Bad Request. If a comma is missing, this scenario is generated, for example.

#### First scenario



#### Second scenario



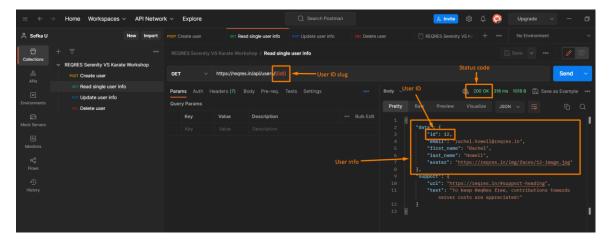
# Read

There are 2 scenarios, when a user exists and when it doesn't.

The first one returns a JSON with the user information and a 200 OK status code.

In the second scenario, an empty JSON and a status code 400 Not Found is returned.

## First scenario



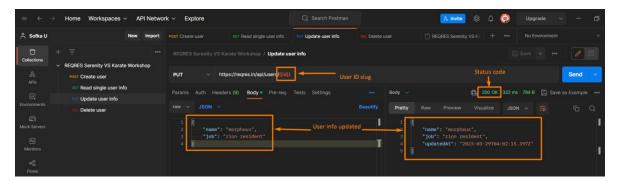
#### Second scenario



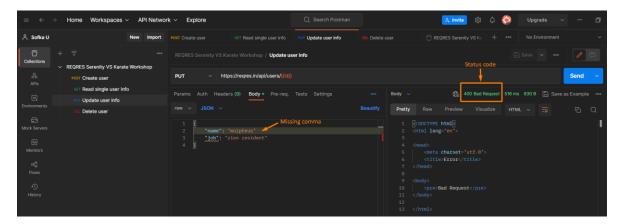
# Update

In the same way as in the Create function, the attributes contained in the JSON sent are irrelevant. Therefore, the same 2 scenarios are generated. In addition, the user ID is also indifferent.

#### First scenario

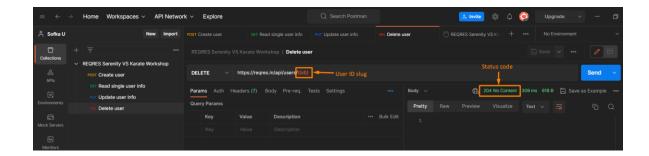


#### Second scenario



## Delete

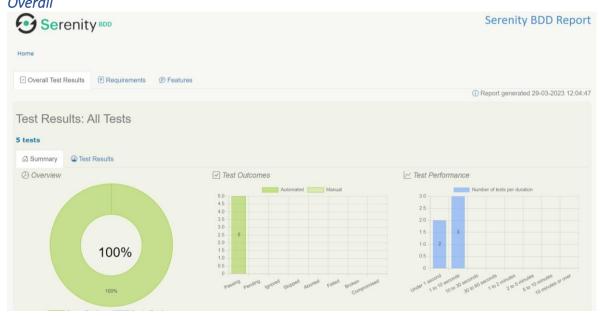
For the Delete function there is only one scenario, since the user ID is also indifferent, so always a status code 204 No Content and no content body is received.

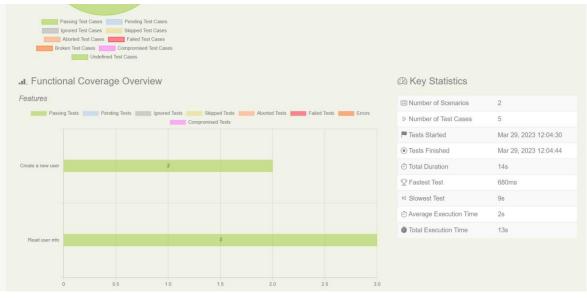


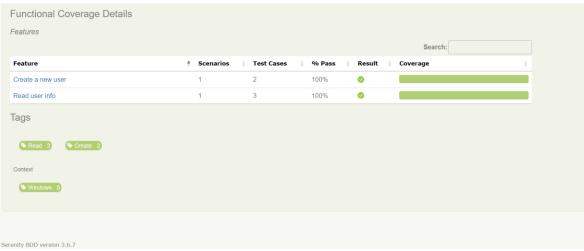
# **Karate and Serenity Reports**

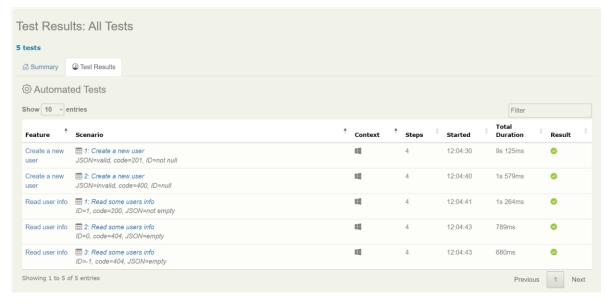
# Serenity

# Overall









## @Create



Steps	Outcome	0
1: Create a new user ({JSON=valid, code=201, ID=not null})	SUCCESS	9s 125ms
◎ Given I have access to REQRES API server	SUCCESS	104ms
When I try to create a new user with 'valid' JSON	SUCCESS	6s 573ms
Regres admin create user	SUCCESS	5s 978ms
REQRES Admin executes a POST on the resource /api/users/	SUCCESS	5s 806ms
POST https://regres.in/api/users/		Charles Con-
REST Query	SUCCESS	001ms
▼ Then I will see the status code 201	SUCCESS	319ms
	SUCCESS	105ms
And I will receive a user ID 'not null'	SUCCESS	1s 964ms
◎ User created	SUCCESS	1s 918ms
Steps	Outcome	<b>②</b>
1: Create a new user ({JSON=valid, code=201, ID=not null})	SUCCESS	9s 125ms
2: Create a new user ({JSON=invalid, code=400, ID=null})	SUCCESS	1s 579ms
○ Given I have access to REQRES API server	SUCCESS	021ms
▼ When I try to create a new user with 'invalid' JSON	SUCCESS	1s 244ms
▼ Regres admin create user	SUCCESS	1s 153ms
▼ REQRES Admin executes a POST on the resource /api/users/	SUCCESS	1s 077ms
POST https://reqres.in/api/users/  REST Query	SUCCESS	
▼ Then I will see the status code 400	SUCCESS	030ms
Status code	SUCCESS	008ms
And I will receive a user ID 'null'  And I will receive a user ID 'null'  And I will receive a user ID 'null'	SUCCESS	261ms
♥ User created	SUCCESS	212ms
	SUCCESS	11.12s

## @Read



Steps	Outcome	<b>3</b>
1: Read some users info ({ID=1, code=200, JSON=not empty})	SUCCESS	1s 264ms
	SUCCESS	026ms
▼ When I try to read user '1' info	SUCCESS	1s 020ms
▼ Regres admin read info	SUCCESS	908ms
▼ REQRES Admin executes a GET on the resource /api/users/1	SUCCESS	805ms
GET https://reqres.in/api/users/1  REST Query	SUCCESS	
▼ Then I will see a status code 200	SUCCESS	061ms
Status code	SUCCESS	016ms
▼ And I will receive a JSON 'not empty' with user '1' info	SUCCESS	123ms
	SUCCESS	084ms
Steps	Outcome	ð
Steps  1: Read some users info ({ID=1, code=200, JSON=not empty})	Outcome SUCCESS	1s 264ms
<u> </u>		
1: Read some users info ({ID=1, code=200, JSON=not empty})	SUCCESS	1s 264ms
1: Read some users info ({ID=1, code=200, JSON=not empty}) 2: Read some users info ({ID=0, code=404, JSON=empty})	SUCCESS	1s 264ms 789ms
1: Read some users info ({ID=1, code=200, JSON=not empty}) 2: Read some users info ({ID=0, code=404, JSON=empty}) 3: Given I have access to the REQRES API server	SUCCESS SUCCESS	1s 264ms 789ms <i>059ms</i>
1: Read some users info ({ID=1, code=200, JSON=not empty}) 2: Read some users info ({ID=0, code=404, JSON=empty}) 3: Given I have access to the REQRES API server When I try to read user '0' info	SUCCESS SUCCESS SUCCESS	1s 264ms 789ms <i>059ms</i> <i>630ms</i>
1: Read some users info ({ID=1, code=200, JSON=not empty})  2: Read some users info ({ID=0, code=404, JSON=empty})  Given I have access to the REQRES API server  When I try to read user '0' info  Regres admin read info	SUCCESS SUCCESS SUCCESS SUCCESS	1s 264ms 789ms 059ms 630ms 587ms
1: Read some users info ({ID=1, code=200, JSON=not empty})  2: Read some users info ({ID=0, code=404, JSON=empty})  Given I have access to the REQRES API server  When I try to read user '0' info  Reqres admin read info  REQRES Admin executes a GET on the resource /api/users/0  GET https://reqres.in/api/users/0	SUCCESS SUCCESS SUCCESS SUCCESS SUCCESS	1s 264ms 789ms 059ms 630ms 587ms
1: Read some users info ({ID=1, code=200, JSON=not empty}) 2: Read some users info ({ID=0, code=404, JSON=empty}) 3: Given I have access to the REQRES API server 4: When I try to read user '0' info 5: Regres admin read info 6: REGRES Admin executes a GET on the resource /api/users/0 6: GET https://regres.in/api/users/0 7: REST Overy	SUCCESS SUCCESS SUCCESS SUCCESS SUCCESS SUCCESS SUCCESS	1s 264ms 789ms 059ms 630ms 587ms 566ms
1: Read some users info ({ID=1, code=200, JSON=not empty}) 2: Read some users info ({ID=0, code=404, JSON=empty}) 3: Given I have access to the REQRES API server 4: When I try to read user '0' info 5: Reqres admin read info 6: REQRES Admin executes a GET on the resource /api/users/0 6: GET https://reqres.in/api/users/0 7: Then I will see a status code 404	SUCCESS SUCCESS SUCCESS SUCCESS SUCCESS SUCCESS SUCCESS	1s 264ms 789ms 059ms 630ms 587ms 566ms

Steps	Outcome	<b>②</b>
1: Read some users Info ({ID=1, code=200, JSON=not empty})	SUCCESS	1s 264ms
2: Read some users info ({ID=0, code=404, JSON=empty})	SUCCESS	789ms
3: Read some users info ({ID=-1, code=404, JSON=empty})	SUCCESS	680ms
○ Given I have access to the REQRES API server	SUCCESS	008ms
▼ When I try to read user '-1' info	SUCCESS	582ms
Regres admin read info	SUCCESS	562ms
▼ REQRES Admin executes a GET on the resource /api/users/-1	SUCCESS	523ms
GET https://regres.in/api/users/-1	SUCCESS	
▼ Then I will see a status code 404	SUCCESS	027ms
Status code	SUCCESS	010ms
▼ And I will receive a JSON 'empty' with user '-1' info	SUCCESS	046ms
○ User created	SUCCESS	025ms
	SUCCESS	2.86s

#### Karate

#### Overall

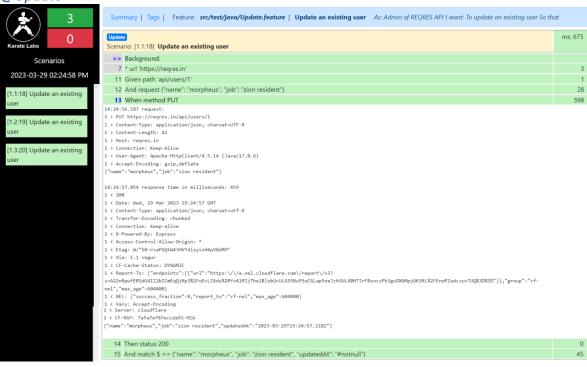


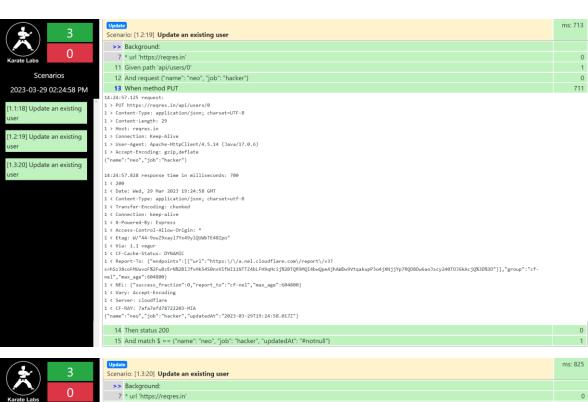
Tags   Timeline					
Feature	Title	Passed	Failed	Scenarios	Time (ms)
src/test/java/Delete.feature	Delete an existing user	4	0	4	3608
src/test/java/Update.feature	Update an existing user	3	0	3	2213



Summary		
Feature	Delete	Update
src/test/java/Delete.feature	X	
src/test/java/Update.feature		X

## @Update







#### @Delete

