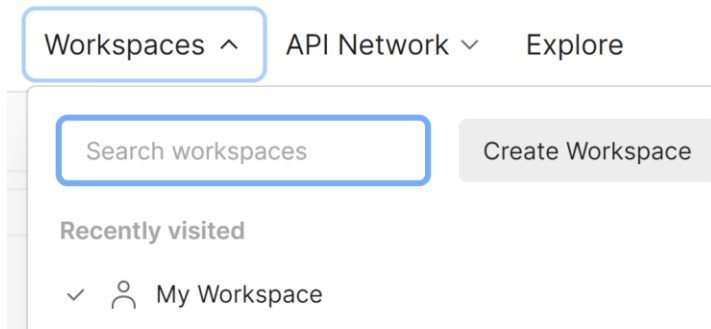


1.Download và cài đặt postman

<https://www.postman.com/downloads/>

10.1: Tạo 1 workspace mới



Create your workspace

Name

KTPM

Summary

demo Apil

Who can access your workspace?

- ☐ Personal
Only you can access
- ☐ Private
Only invited team members can access
- ☒ Team
All team members can access
- ☐ Partner
Only invited partners and team members can access
- ☐ Public
Everyone can view

A new team will be created since you don't have one now.

Step 2 of 2

Back

Create

Home Workspaces API Network

Search Postman

ntnphanhou (You) Active now

KTPM New Import API_demo DEL tc3_delete GET tc4_alluser

API_demo - Run results

Ran on Dec 23, 2023 at 00:05:31 · View all runs

Source	Environment	Iterations	Duration	All tests
Runner	none	1	1s 715ms	6

RUN SUMMARY

Method	Path	Pass	Fail	Skipped
GET	tc1_getuser	1	1	0
POST	tc2_createuser	1	0	0
DELETE	tc3_delete	0	1	0
GET	tc4_alluser	1	1	0

Pass Response time is less than 200ms

Fail Your test name

Fail tc3 delete Status code is 204

Fail TC_check_totalpage

Pass TC_check_lastname

1.2 Tạo và lưu 1 request: get

API_demo DEL tc3_delete GET tc4_alluser Login GET Untitled Request

Untitled Request

GET Enter URL or paste text

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

Key	Value	Des
Key	Value	Des

<https://reqres.in/>
get: lấy dữ liệu về

HTTP <https://reqres.in/api/users/2> Save Edit

GET <https://reqres.in/api/users/2> Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

Body Cookies Headers (18) Test Results 200 OK 550 ms 1.18 KB Save as example

Pretty Raw Preview Visualize JSON Copy Search

```
1 { "data": { "id": 2, "email": "janet.weaver@reqres.in", "first_name": "Janet", "last_name": "Weaver",  
  "avatar": "https://reqres.in/img/faces/2-image.jpg", "support": { "url": "https://reqres.in/  
  #support-heading", "text": "To keep ReqRes free, contributions towards server costs are appreciated!" } } }
```

Nhấn send-→ trả ra thông tin của user đó, sau đó đặt tên , nhấn Save-> lưu vào project mình làm việc.

The screenshot shows the REST Client interface. On the left, a sidebar lists various endpoints under categories like 'demo', 'Example_KTPM', and 'Login'. The 'Login' category is expanded, showing endpoints like 'post_login', 'post_register', and 'get_singleuser'. The 'get_singleuser' endpoint is selected.

The main panel shows the configuration for a GET request to `https://reqres.in/api/users/2`. The 'Query Params' section is empty. The 'Body' tab is active, showing a JSON response in 'Pretty' format:

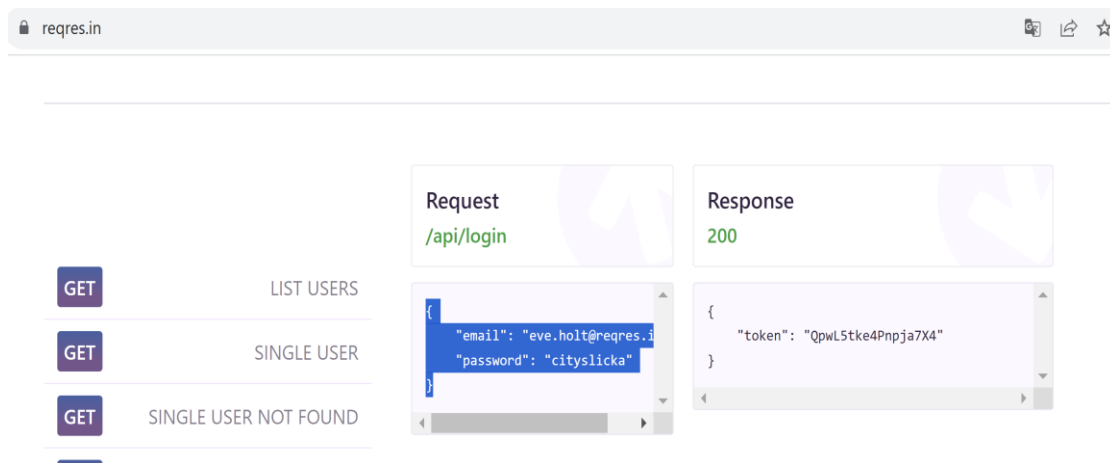
```
1 {
2   "data": {
3     "id": 2,
4     "email": "janet.weaver@reqres.in",
5     "first_name": "Janet",
6     "last_name": "Weaver",
7     "avatar": "https://reqres.in/img/faces/2-image.jpg"
8   },
9 }
```

1.3 Tạo và lưu 1 request: post

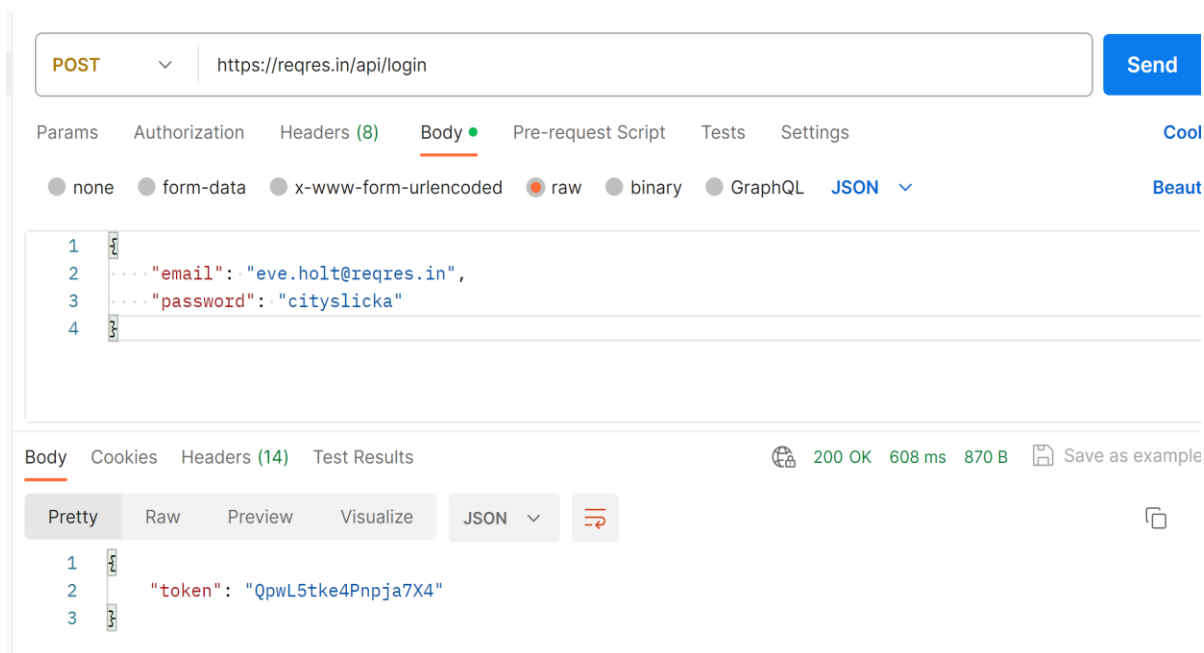
The screenshot shows the REST Client interface for a POST request to `https://reqres.in/api/login`. The 'Body' tab is active, and the 'Text' format is selected. A dropdown menu is open, showing options for 'Text', 'JavaScript', and 'JSON'.

The 'Body' tab shows a single line of text:

```
1
```



Nhấn send trả về chuỗi reponse 200 là đăng nhập thành công



..... sinh viên tự thực hành cho các dạng còn lại



reqres.in

GET

LIST USERS

GET

SINGLE USER

GET

SINGLE USER NOT FOUND

GET

LIST <RESOURCE>

GET

SINGLE <RESOURCE>

GET

SINGLE <RESOURCE> NOT
FOUND

POST

CREATE

PUT

UPDATE

PATCH

UPDATE

DELETE

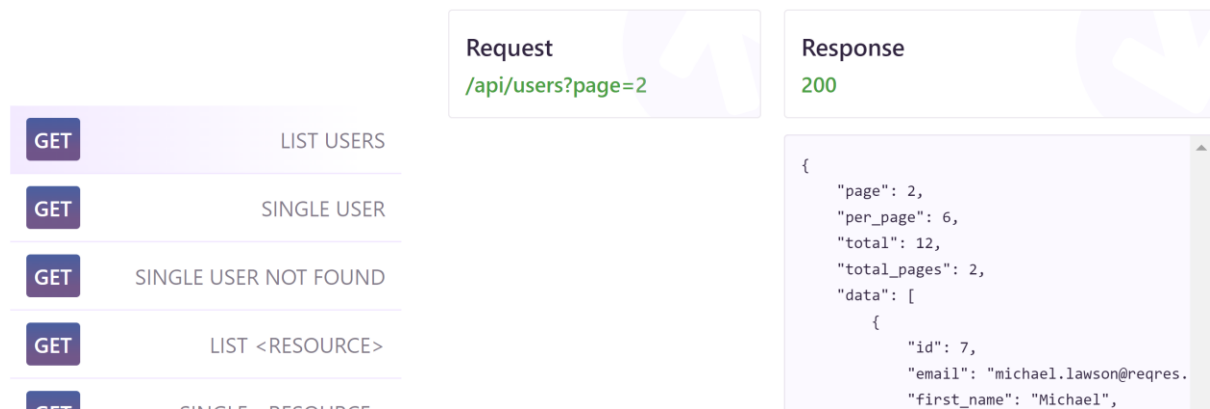
DELETE

POST

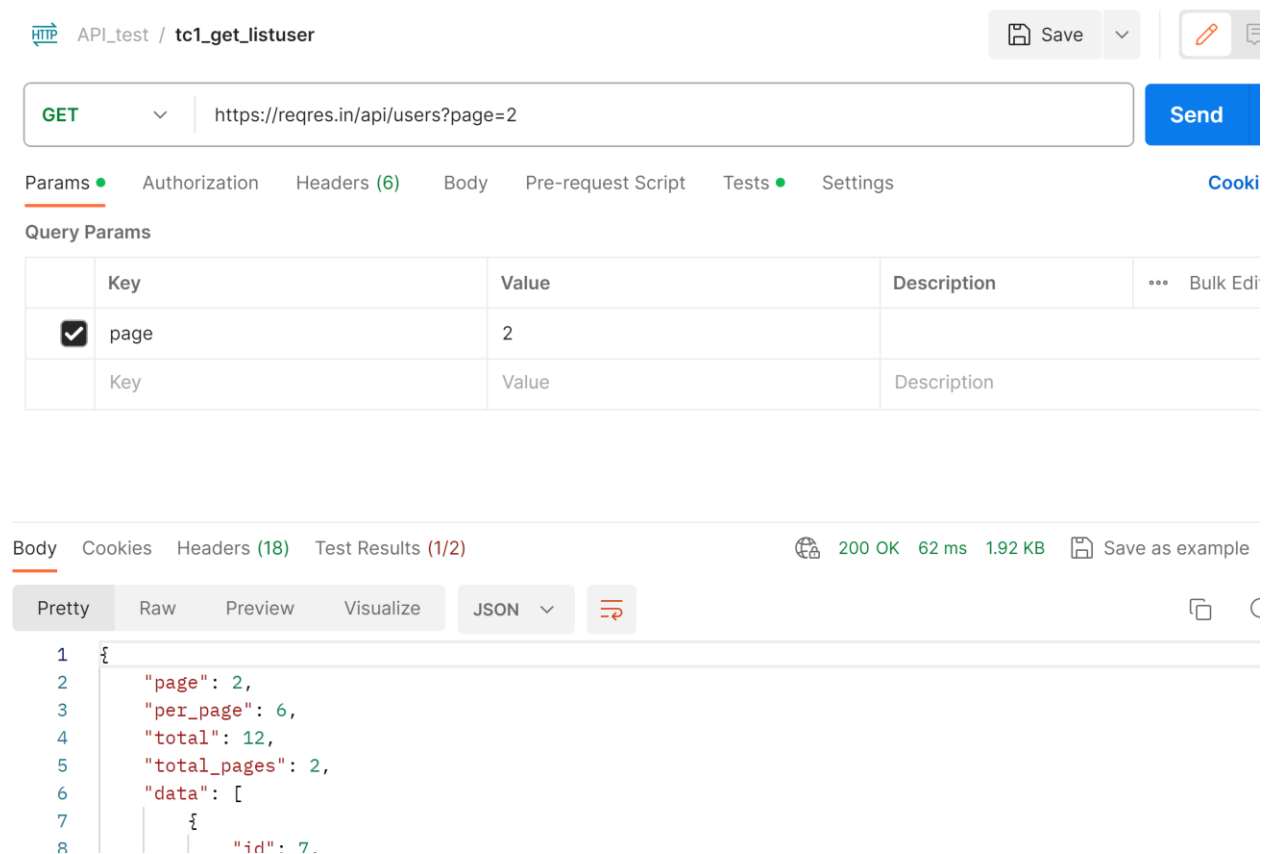
REGISTER - SUCCESSFUL

10.4 Viết API Test Cases In Postman

B1 vào trang <https://reqres.in/>



Trong postman, tạo request



Nhấn nút send

The screenshot shows the Postman interface for an API test named 'API_test / tc1_get_listuser'. The left sidebar lists several test cases under 'API_test', with 'tc1_get_listuser' selected. The main panel shows the test configuration: a GET request to 'https://reqres.in/api/users?page=2'. The 'Tests' tab is active, displaying a JavaScript test script:

```

1 pm.test("TC_check_totalpage", function () {
2     var jsonData = pm.response.json();
3     pm.expect(jsonData.total_pages).to.eql(2);
4 });
5 pm.test("TC check Response time ", function () {
6     pm.expect(pm.response.responseTime).to.be.below(200);
7 });
8

```

Chọn API_test-> nhấn run collection

Nhấn run API_test

The screenshot shows the 'Run results' for the 'API_test' collection. It includes a 'Run Again' button and options to 'Automate Run', 'New Run', and 'Export Results'. The run was performed at 22:02:53. A summary table shows the results for the first iteration:

Source	Environment	Iterations	Duration	All tests	Avg. Resp. Time
Runner	none	1	539ms	2	64 ms

Below the table, it indicates 'All Tests Passed (2) Failed (0) Skipped (0)' and provides a 'View Summary' link. The details for 'Iteration 1' show the test 'GET tc1_get_listuser' at 'https://reqres.in/api/users?page=2' with a status of '200 OK', a response time of '64 ms', and a size of '1.958 KB'. Two specific tests are listed as 'PASS': 'TC_check_totalpage' and 'TC check Response time'.

SV tự cho ví dụ TC fail

API_demo / tc4_alluser

GET

https://reqres.in/api/users?page=2

Params • Authorization Headers (6) Body Pre-request Script Tests • Settings

```
2   var jsonData = pm.response.json();
3   pm.expect(jsonData.total_pages).to.eql(4);
4   });
5
6   pm.test("TC_check_lastname", function () {
7     var jsonData = pm.response.json();
8     pm.expect(jsonData.data[0].last_name).to.eql("Lawson");
9   });
```

Body Cookies Headers (18) Test Results (1/2)

200 OK

Perform API tests faster with templates for integration testing, regression testing, and more.

All

Passed

Skipped

Failed



FAIL

TC_check_totalpage | AssertionError: expected 2 to deeply equal 4

PASS

TC_check_lastname

Sinh viên tự tạo các TC cho 1 chức năng cụ thể và run

▶ API_demo

DEL tc3_delete

GET tc4_alluser


+

...

API_demo - Run results

Run Again

Automate Run

 Ran today at 00:05:31 · [View all runs](#)

Source	Environment	Iterations	Duration	All tests	Avg.
Runner	none	1	1s 715ms	6	279

RUN SUMMARY

				1
▼ GET	tc1_getuser	1 1	×	
	Pass Response time is less than 200ms			
	Fail Your test name		×	
▼ POST	tc2_createuser	1 0		
	Pass tc2 - create user Status code is 201			
▼ DELETE	tc3_delete	0 1	×	
	Fail tc3 delete Status code is 204		×	
▼ GET	tc4_alluser	1 1	×	
	Fail TC_check_totalpage		×	
	Pass TC_check_lastname			

End