Домашнє завдання для використання POSTMAN

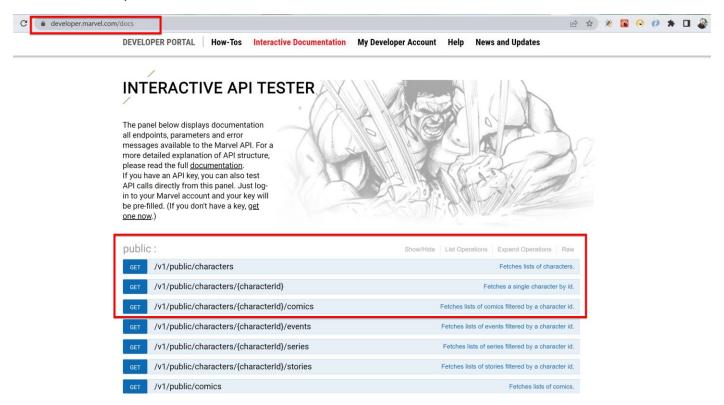
1. Створити в робочому просторі до якого ви повинні доєднатися за запрошенням колекцію з вашим прізвищем. Посилання до запрошення:

https://interstellar-capsule-919018.postman.co/workspace/IT-Generation~55239ed5-e91a-44ff-827b-d3a6a6274200/collection/14005154-8a643423-51a7-4ba0-9d8e-d17ca5c63b03?action=share&creator=14005154

https://app.getpostman.com/join-team?invite code=e838ec665b78669af286e3fb88d4ab95&target code=1070dd7e7185cbbc712ccebc310f3477

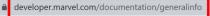
- 2. Створити Mock Server для https://developers.minfin.com.ua/ для історії курсів долара за дві дати
- 3. В колекції зберегти запити серверу https://developer.marvel.com/ та тести до них

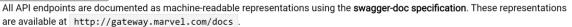
Виконати тести (формат відповіді, статус відповіді) для сервісів https://developer.marvel.com/docs, що означені на знімку нижче



Для отримання відомостей щодо використання запитів з сайту https://developer.marvel.com/

Зверниться до документації https://developer.marvel.com/documentation/generalinfo





Some odds and ends with requests

HTTP Verbs

All endpoints currently accept only HTTP GET requests.

ETags

Most successful results will contain an "etag" attribute and ETag HTTP header with a digest of the returned content. In order to save bandwidth and make your application more performant, you may optionally pass an "if-none-match" HTTP header with that digest for subsequent requests to the same URL. If the content has not changed since the last request, the response code will return with an empty body and a 304/Not Modified HTTP header and you can use a previously-stored value for the content.

Note: Most browsers will do this automatically, but you may need to manually add this logic to server-side applications. For example:

Initial request:

```
Request Url: http://gateway.marvel.com/v1/public/comics
Request Method: GET
Params: {
    "apikey": "your api key",
    "ts": "a timestamp",
    "hash": "your hash"
}
Headers: {
    Accept: */*
}
```

Initial response:

```
Status Code: 200
```

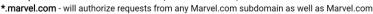
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Відомості щодо способу побудови параметрів запиту слід дивитись в розділі

https://developer.marvel.com/documentation/authorization

developer.marvel.com/documentation/authorization

developer.marvel.com - will authorize requests from developer.marvel.com



*.marvel.com/apigateway - will authorize requests from the apigateway path on any Marvel.com subdomain as well as Marvel.com

Authentication for Server-Side Applications

Server-side applications must pass two parameters in addition to the apikey parameter:

ts - a timestamp (or other long string which can change on a request-by-request basis)

hash - a md5 digest of the ts parameter, your private key and your public key (e.g. md5(ts+privateKey+publicKey)

For example, a user with a public key of "1234" and a private key of "abcd" could construct a valid call as follows: http://gateway.marvel.com/v1/public/comics?ts=1&apikey=1234&hash=ffd275c5130566a2916217b101f26150 (the hash value is the md5 digest of Tabcd1234)

Authorization Errors

The following errors are returned by the Marvel Comics API when issues with authorization occur. These errors are returned by all endpoints.

Error Code	Error Message	Reason for occurring
409	Missing API Key	Occurs when the apikey parameter is not included with a request.
409	Missing Hash	Occurs when an apikey parameter is included with a request, a ts parameter is present, but no hash parameter is sent. Occurs on server-side applications only.
409	Missing Timestamp	Occurs when an apikey parameter is included with a request, a hash parameter is present, but no ts parameter is sent. Occurs on server-side applications only.
401	Invalid Referer	Occurs when a referrer which is not valid for the passed apikey parameter is sent.
401	Invalid Hash	Occurs when a ts, hash and apikey parameter are sent but the hash is not valid per the above hash generation rule.
405	Method Not Allowed	Occurs when an API endpoint is accessed using an HTTP verb which is not allowed for that endpoint.
403	Forbidden	Occurs when a user with an otherwise authenticated request attempts to access an endpoint to which

https://www.freeformatter.com/message-digest.html#before-output (або подібного до нього)

