

**САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ
ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО**

Дисциплина: Бек-энд разработка

Отчет

Лабораторная Работа №4, 5

Выполнил:

Кобелев Л.К.

К33401

Проверил:

Добряков Д. И.

Санкт-Петербург

2023 г.

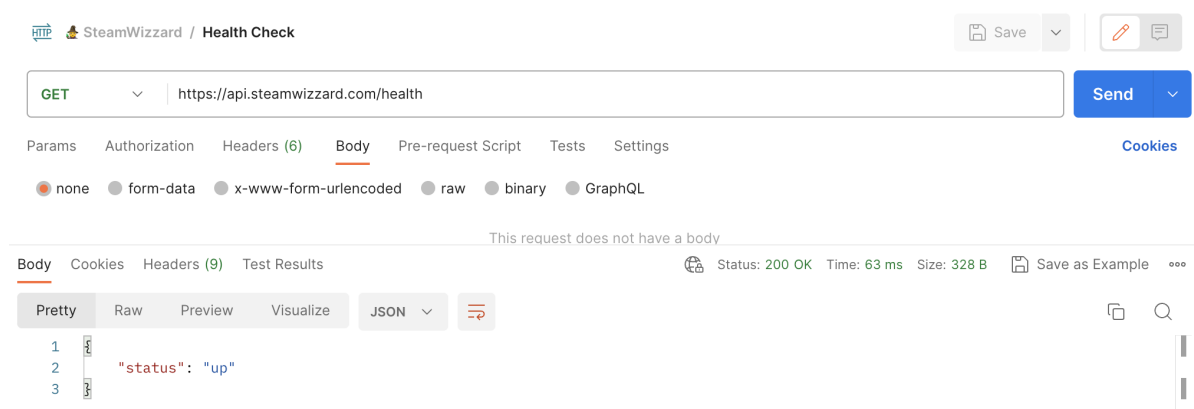
Задача

Документирование и тестирование API средствами Postman.

Ход работы

1. Создадим новую коллекцию в Postman;
2. Внутри неё создадим папки под каждую категорию роутов;
3. Начнем создавать запросы.

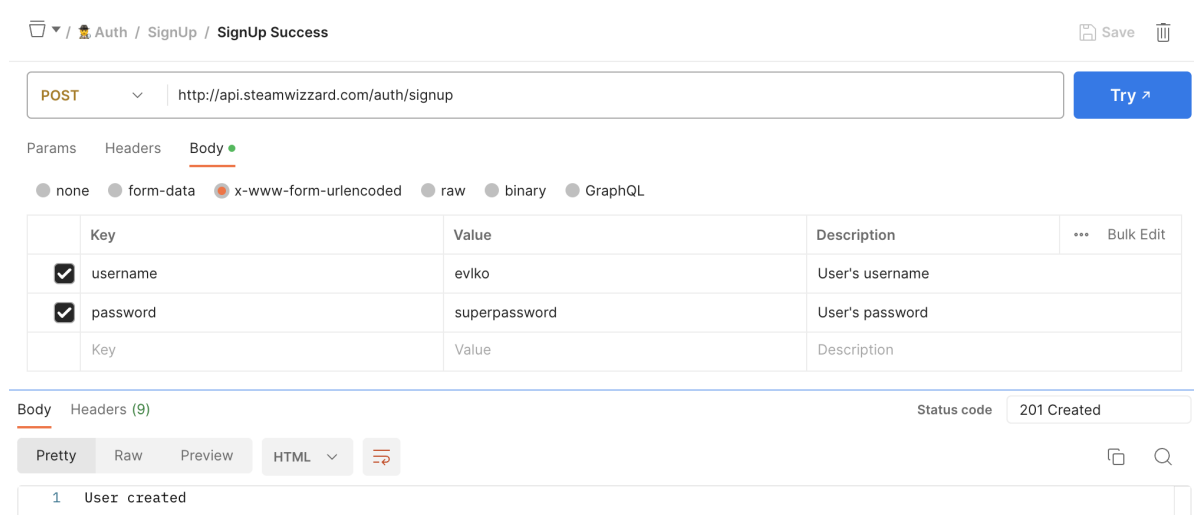
Начнем с простого, проверим жизнеспособность нашего сервиса:



Сохраним ответ как пример (save as example) и будем использовать в тестах.

Так сделаем с каждым доступным роутом.

Авторизация



Auth / Login / Login Success

Save

POST

http://api.steamwizzard.com/auth/login

Try

Params

Headers

Body

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

	Key	Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/>	username	evlko			
<input checked="" type="checkbox"/>	password	superpassword			
	Key	Value	Description		

Body

Headers (9)

Status code

200 OK

Pretty

Raw

Preview

HTML

1

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOiJEsInVzZXJuYW11IjoiaXZsa28iLCJ2IjoyLCJpYXQiOiJlMjBkZDQ4NzEwIjcsImV4cCI6MTY4NDg3NDYyM30uLmwy-SiXkTKVWU7zj7c0_V1J03LIzFwWvyuA2KhA0zqM

Игры

Games / Get Filtered & Sorted Games / Get Filtered & Sorted Games Success

Save

GET

https://api.steamwizzard.com/games?sort=title&order=ASC&search=a&username=evlko&tags=1

Try

Params

Headers

Body

sort

title

Sorting: title / reviews / releaseDate

order

ASC

Order of sorting: ASC / DESC

search

a

Search substring in games titles

username

evlko

Steam username (or page link for example htt...

tags

1

Filter games with tags ids

	Key	Value	Description
	Key	Value	Description

Body

Headers (10)

Status code

200 OK

Pretty

Raw

Preview

JSON

1

[

2

{

3

"id": 12358,

4

"gameId": 1966900,

5

"title": "20 Minutes Till Dawn",

6

"description": null,

7

"nameSlug": "20_minutes_till_dawn",

8

"reviews": 17797,

9

"releaseDate": "2022-06-07"

10

}

11

,

12

{

Games / Create New Game / New Game Success

Save

POST

http://api.steamwizzard.com/games/

Try

Params

Headers

Body

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

<input checked="" type="checkbox"/>	nameSlug	super_puper_games	Steam NameSlug (mostly title without punctati...
<input checked="" type="checkbox"/>	tags	1,2	Tags IDs which are related to a game
<input checked="" type="checkbox"/>	reviews	500	Number of Steam reviews
<input checked="" type="checkbox"/>	releaseDate	2012-08-21	Release date
	Key	Value	Description

Body

Headers (9)

Status code

200 OK

Pretty

Raw

Preview

JSON

```
1 {
2   "gameId": "501310",
3   "title": "Super Puper Game",
4   "description": "Game about something",
5   "nameSlug": "super_puper_games",
6   "reviews": "500",
7   "releaseDate": "2012-08-21",
8   "tags": [
9     {
10      "id": 1,
11      "name": "1980s"
12    },
13    {
14      "id": 2,
15      "name": "1990s"
16    }
17  ],
18  "id": 40429
19 }
```

Tags / Get All Tag Classes / Get All Tag Classes Success

Save

GET

https://api.steamwizzard.com/classes

Try

Params

Headers

Body

Body

Headers (10)

Status code

200 OK

Pretty

Raw

Preview

JSON

```
1 {
2   {
3     "id": 1,
4     "name": "Visual",
5     "tags": [
6       {
7         "id": 16,
8         "name": "Abstract"
9       },
10      {
11        "id": 30,
12        "name": "Anime"
13      }
14    ]
15  }
16 }
```

Tags

Get All Tags

Get All Tags Success

Save

GET

https://api.steamwizzard.com/tags

Try

Params

Headers

Body

Query Params

	Key	Value	Description	...	Bulk Edit
--	-----	-------	-------------	-----	-----------

Body

Headers (10)

Status code

200 OK

Pretty

Raw

Preview

JSON

```

1  {
2    {
3      "id": 1,
4      "name": "1980s"
5    },
6    {
7      "id": 2,
8      "name": "1990s"
9    },
10   }

```

Рекомендации

Recommendations

Get Recommendations

Get Recommendations Success

Save

GET

https://api.steamwizzard.com/recommendations?game_id=730&game_status=1

Try

Params

Headers

Body

Query Params

	Key	Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/>	game_id	730	Steam GameID (AppID)		
<input checked="" type="checkbox"/>	game_status	1	Status of interaction: ↗		...

Body

Headers (12)

Status code

200 OK

Pretty

Raw

Preview

JSON

```

1  {
2    {
3      "id": 12279,
4      "gameId": 1408720,
5      "title": "Krunker",
6      "description": "An easy to get into fully moddable First Person Shooter with advanced movement mechanics. Fully
7      Customizable with Mods, Custom Maps and Thousands of Items to Unlock.",
8      "nameSlug": "krunker",
9      "reviews": 20397,
10     "releaseDate": "2021-02-01"
11   },
12   {
13     "id": 14304,
14     "gameId": 1431610,
15     "title": "Prison Simulator Prologue",
16     "description": "Wanna find out what a prison riot looks like? Check a free stand-alone prologue for Prison Simulator. A
17     story that is not available in the full game! Be warned: Police baton might not be enough to bring order to the
18     prison halls.",
19     "nameSlug": "prison_simulator_prologue",
20     "reviews": 2746,
21     "releaseDate": "2021-05-20"
22   },
23   }

```

и так далее...

В документации более подробно опишем входные параметры и результат запроса.

GET Get Filtered & Sorted Games

[Open Request →](#)

```
https://api.steamwizzard.com/games?sort=title&order=ASC&search=a&username=evlko&tags=1
```

Get all games with filtering & sorting.

Query Params

sort	title Sorting: title / reviews / releaseDate
order	ASC Order of sorting: ASC / DESC
search	a Search substring in games titles
username	evlko Steam username (or page link for example https://steamcommunity.com/profiles/76561198999051508/ but games should be public
tags	1 Filter games with tags ids

Example

Get Filtered & Sorted Gam... ▾

Request

NodeJs - Axios

```
const axios = require('axios');
```

Прделаем это для каждого запроса. Результат есть на <https://documenter.getpostman.com/view/23539417/2s93m4XiCL>.

Вывод

Postman отлично подходит для документирования и тестирования API.