

**САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ
УНИВЕРСИТЕТ ИТМО**

Дисциплина: Бэк-энд разработка

Отчет
по домашней работе №4
«Документирование и тестирование API из лр2 средствами Postman»

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Задача

Документирование API из лр2 средствами Postman

Ход Работы

Структура документации:

CRYPTO CURRENCY EXCHANGE	
<u>Introduction</u>	
✓ 	Auth
POST	Create new account
POST	Log in into account
✓ 	Currency
POST	Add currency to exchange
GET	Find info about currency
GET	Filter by adding date
DEL	Delete currency from exchange
✓ 	Portfolio
POST	Buy currency
POST	Sell some amount of currency
POST	Sell total amount of currency
GET	User's portfolio
GET	Info about currency in user's portfolio
✓ 	Plot
POST	Add data about currency price
GET	Load a plot for a previos year
GET	Load a ploat for a previous month
DEL	Delete data about currency price

Пример тестирования и документации:

Portfolio

POST Buy currency

http://localhost:8000/portfolio/buy_currency?user_id=2&amount=2000¤cy_id=1

PARAMS	
user_id	2
amount	2000
currency_id	1

POST Sell some amount of currency

http://localhost:8000/portfolio/sell?user_id=2&amount=2¤cy_id=1

PARAMS	
user_id	2
amount	2
currency_id	1

POST Sell total amount of currency

http://localhost:8000/portfolio/sell?user_id=2&amount=2¤cy_id=1

PARAMS	
user_id	2
amount	2
currency_id	1

GET User's portfolio

http://localhost:8000/portfolio/user_currencies?user_id=2

PARAMS	
user_id	2

Example Request

Buy currency

curl

curl --location --request POST

localhost:8000/portfolio/buy_currency

Example Response

Body

Headers (8)

200 OK

json

{

"id": 8,

"userId": "2",

"currencyId": "1",

"sum": "2",

"updatedAt": "2023-05-18T22:51:52.730Z",

"createdAt": "2023-05-18T22:51:52.730Z"

}

Example Request

Sell some amount of curre...

curl

curl --location --request POST

localhost:8000/portfolio/sell?user_id

Example Response

Body

Headers (8)

200 OK

json

{

"id": 9,

"userId": 2,

"currencyId": 1,

"sum": 2,

"createdAt": "2023-05-18T22:53:09.364Z",

"updatedAt": "2023-05-18T22:53:12.320Z"

}

Example Request

Sell total amount of curre...

curl

curl --location --request POST

localhost:8000/portfolio/sell?user_id

Example Response

Body

Headers (8)

404 NOT FOUND

json

{

"message": "Currency successfully sold"

}

Example Request

User's portfolio

curl

curl --location 'http://localhost:8000/portfolio/user_currencies?user_id=2'

Example Response

Body

Headers (8)

200 OK

json

[

{

"id": 1,

"userId": 2,

"currencyId": 2,

"sum": 20002000,

"createdAt": "2023-05-18T22:23:56.484Z",

"updatedAt": "2023-05-18T22:27:04.162Z"

},

{

"id": 2,

"userId": 2,

"currencyId": 1,

"sum": 2,

"createdAt": "2023-05-18T22:53:12.320Z",

"updatedAt": "2023-05-18T22:53:12.320Z"

}

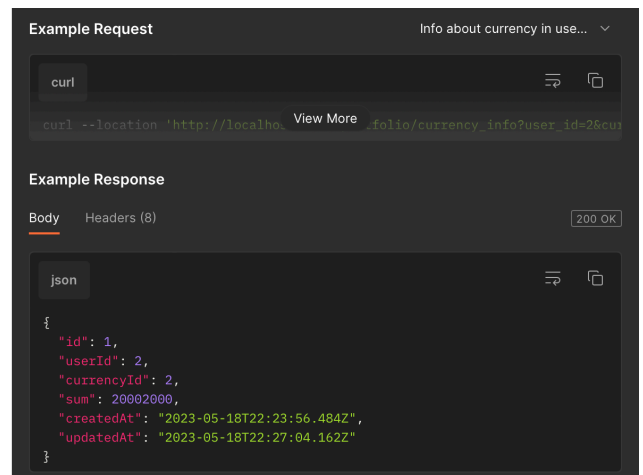
]

GET Info about currency in user's portfolio

```
http://localhost:8000/portfolio/currency_info?user_id=2&currency_id=2
```

PARAMS

user_id	2
currency_id	2



Полная документация Postman:

<https://documenter.getpostman.com/view/26320593/2s93kz6kBi>

Вывод

В ходе данной работы была создана документация и произведено тестирование RESTful API приложения криптобиржи с использованием Postman.