

**САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ  
ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО**

**Дисциплина:** Бэк-энд разработка

Отчет

Лабораторная работа №3

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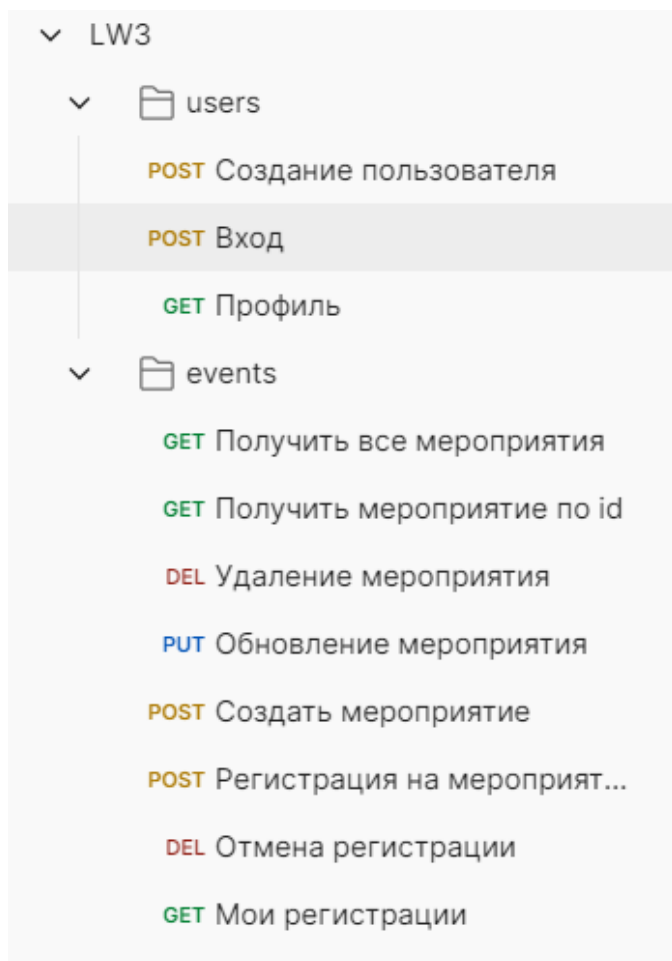
2023 г.

## Задача

Необходимо реализовать отдельный микросервис, выполняющий какую-либо содержательную функцию из всего арсенала функций вашего приложения.

## Ход работы

Приложение было разделено на два микросервиса – один работает с аутентификацией, другой – с основной логикой сервиса.



## Сервис аутентификации

### Создание пользователя

POST http://localhost:8002/users/

Params Authorization Headers **Body** Pre-request Script Tests Settings

● none ● form-data ● x-www-form-urlencoded ● raw ● binary ● GraphQL JSON ▾

```
1 {
2   ... "email": "test666@test.com",
3   ... "password": "qqq"
4 }
```

Body Cookies Headers (2) Test Results

Pretty Raw Preview Visualize JSON ▾ ↻

```
1 {
2   "id": 3,
3   "email": "test666@test.com",
4   "password": "$2b$08$7P9sA0XB27cgxm14b7vZ20lY0Yy9aMe04qGNrfU0RGHBoGw7M/0q0"
5 }
```

## Получение токена

POST http://localhost:8002/users/login Send ▾

Params Authorization Headers **Body** Pre-request Script Tests Settings Cookies Beautify

● none ● form-data ● x-www-form-urlencoded ● raw ● binary ● GraphQL JSON ▾

```
1 {
2   ... "email": "test666@test.com",
3   ... "password": "qqq"
4 }
```

Body Cookies Headers (2) Test Results Status: 200 OK Time: 76 ms Size: 220 B Save as example ⋮

Pretty Raw Preview Visualize JSON ▾ ↻

```
1 {
2   "accessToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MywiYWV0IjoxNjMTEyNzU1fQ.B3ZWk1vBENAPBL196RKzLbGYH2fM6AS07pdz0u8C7Vs"
3 }
```

## Получение профиля по токenu

GET http://localhost:8002/users/me Send

Params Authorization Headers Body Pre-request Script Tests Settings Cookies

Type Bearer Token

Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. Learn more about [variables](#)

The authorization header will be automatically generated when you send the request. Learn more about [authorization](#)

Token eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ...

Body Cookies Headers (2) Test Results Status: 200 OK Time: 49 ms Size: 196 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": 3,
3   "email": "test666@test.com",
4   "password": "$2b$08$7P9sA0XB27cgxm14b7vZ201Y0Yy9aMe04qGNrfU0RGHBoGw7M/0q0"
5 }
```

## Сервис мероприятий

### Получение регистраций

GET http://localhost:8001/registrations/ Send

Params Authorization Headers Body Pre-request Script Tests Settings Cookies

Type Bearer Token

Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. Learn more about [variables](#)

The authorization header will be automatically generated when you send the request. Learn more about [authorization](#)

Token eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ...

Body Cookies Headers (2) Test Results Status: 200 OK Time: 117 ms Size: 224 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "user": {
3     "id": 3,
4     "email": "test666@test.com",
5     "password": "$2b$08$7P9sA0XB27cgxm14b7vZ201Y0Yy9aMe04qGNrfU0RGHBoGw7M/0q0"
6   },
7   "registrations": []
8 }
```

### Получение всех мероприятий

GET http://localhost:8001/events/ Send

Params Authorization Headers Body Pre-request Script Tests Settings Cookies

Key	Value	Description	...	Bulk Edit
type	conference			

Body Cookies Headers (2) Test Results Status: 200 OK Time: 19 ms Size: 458 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "message": "Success",
3   "data": [
4     {
5       "id": 1,
6       "title": "Event1",
7       "description": "Some text",
8       "type": "other",
9       "date": "2018-10-01",
10      "address": "Some street"
11    },
12    {
13      "id": 2,
14      "title": "Event2",
15      "description": "Some text",
16      "type": "other",
17      "date": "2018-10-01",
18      "address": "Some street"
19    }
20  ]
21 }
```

## Создание регистрации и проверка

POST http://localhost:8001/registrations/1 Send

Params Authorization Headers Body Pre-request Script Tests Settings Cookies

Type Bearer Token

The authorization header will be automatically generated when you send the request. Learn more about [authorization](#)

Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. Learn more about [variables](#)

Token eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ...

Body Cookies Headers (2) Test Results Status: 200 OK Time: 38 ms Size: 85 B Save as example

Pretty Raw Preview Visualize HTML

```
1 Success
```

GET http://localhost:8001/registrations/ Send

Params Authorization Headers Body Pre-request Script Tests Settings Cookies

Type Bearer Token

The authorization header will be automatically generated when you send the request. Learn more about [authorization](#)

Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. Learn more about [variables](#)

Token eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ...

Body Cookies Headers (2) Test Results Status: 200 OK Time: 40 ms Size: 237 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "user": {
3     "id": 3,
4     "email": "test666@test.com",
5     "password": "$2b$08$7P9sA0XB27cgxm14b7vZ201Y0Yy9aMe04qGNxfU0RGHBoGw7M/0q0"
6   },
7   "registrations": [
8     {
9       "eventId": 1
10    }
11  ]
12 }
```

## Удаление регистрации

DELETE

http://localhost:8001/registrations/1

Send

Params

Authorization

Headers

Body

Pre-request Script

Tests

Settings

Cookies

Type

Bearer Token

Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. Learn more about [variables](#)

The authorization header will be automatically generated when you send the request. Learn more about [authorization](#)

Token

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ...

Body

Cookies

Headers (2)

Test Results

Status: 200 OK

Time: 35 ms

Size: 85 B

Save as example

Pretty

Raw

Preview

Visualize

HTML

1 Success

GET

http://localhost:8001/registrations/

Send

Params

Authorization

Headers

Body

Pre-request Script

Tests

Settings

Cookies

Type

Bearer Token

Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. Learn more about [variables](#)

The authorization header will be automatically generated when you send the request. Learn more about [authorization](#)

Token

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ...

Body

Cookies

Headers (2)

Test Results

Status: 200 OK

Time: 30 ms

Size: 224 B

Save as example

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

7

8

```
1 {
2   "user": {
3     "id": 3,
4     "email": "test666@test.com",
5     "password": "$2b$08$7P9sA0XB27cgxm14b7vZ20lY0Yy9aMe04qGNrfU0RGHB0GW7M/8q0"
6   },
7   "registrations": []
8 }
```

## Создание мероприятия

POST

http://localhost:8001/events/

Send

Params

Authorization

Headers

Body

Pre-request Script

Tests

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Beautify

1

2

3

4

5

6

7

```
1 {
2   "title": "Event4",
3   "description": "Some text",
4   "type": "conference",
5   "date": "2023-10-01",
6   "address": "Some street"
7 }
```

Body

Cookies

Headers (2)

Test Results

Status: 201 Created

Time: 31 ms

Size: 236 B

Save as example

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

7

8

9

10

11

```
1 {
2   "message": "Success",
3   "data": {
4     "id": 4,
5     "title": "Event4",
6     "description": "Some text",
7     "type": "conference",
8     "date": "2023-10-01",
9     "address": "Some street"
10  }
11 }
```

Активация Windows

Чтобы активировать Windows, перейдите в разд. "Параметры".

## Редактирование мероприятия



## **Вывод**

Приложение было разделено на микросервисы, между микросервисами налажено взаимодействие.