

**САНКТ-ПЕТЕРБУРГСКИЙ НАЦИОНАЛЬНЫЙ  
ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО**

**Дисциплина:** Бэк-энд разработка

Отчет

Домашняя работа 5: Тестирование API из ЛР2 средствами  
Postman

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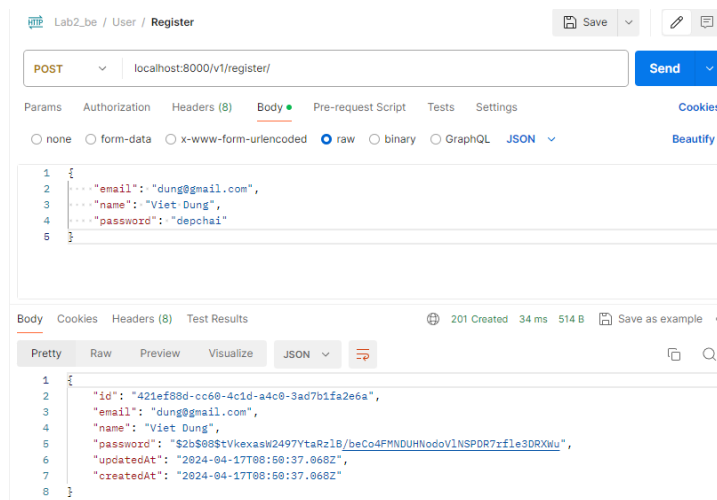
## **Задача**

Тестирование API из ЛР2 средствами Postman

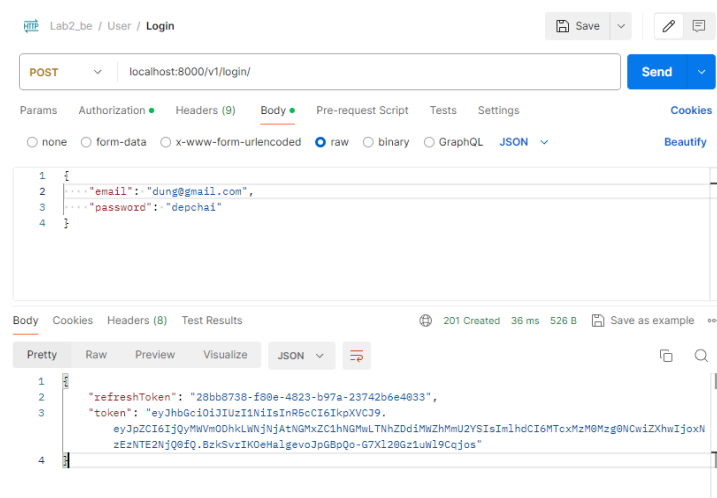
## Ход работы

Я реализовал базовые функции, такие как POST, GET, PUT, DELETE для каждого объекта, и добился успеха. Ниже приведены результаты некоторых других сложных API, которые я реализовал.

Зарегистрировать нового пользователя



Авторизоваться



Создать новую поездку

Lab2\_be / trips / create

POST localhost:8000/v1/trips/

Params Authorization Headers (9) Body Pre-request Script Tests Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON

```
1 {
2   "name": "My Vacation Trip",
3   "description": "A wonderful vacation trip to the beach",
4   "dateStart": "2024-05-01",
5   "dateEnd": "2024-05-26",
6   "budget": 2000,
7   "type": "vacation"
8 }
```

Body Cookies Headers (8) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": "118b026d-1cd7-46ee-a3fb-c2652ad3ba66",
3   "name": "My Vacation Trip",
4   "description": "A wonderful vacation trip to the beach",
5   "dateStart": "2024-05-01T00:00:00.000Z",
6   "dateEnd": "2024-05-26T00:00:00.000Z",
7   "budget": 2000,
8   "type": "vacation",
9   "userId": "421ef08d-cc60-4c1d-a4c0-3ad7b1fa2e6a",
10  "updatedAt": "2024-04-17T09:27:01.091Z",
11  "createdAt": "2024-04-17T09:27:01.091Z"
12 }
```

## Обновить поездку

Lab2\_be / trips / update

PUT localhost:8000/v1/trips/fb358484-676c-4001-a358-1b5a58d17465

Params Authorization Headers (9) Body Pre-request Script Tests Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON

```
1 {
2   "name": "du lich ha noi",
3   "description": "di choi 10 ngay",
4   "dateStart": "2024-03-20",
5   "dateEnd": "2024-03-30",
6   "budget": 4000,
7   "type": "vacation"
8 }
```

Body Cookies Headers (8) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": "fb358484-676c-4001-a358-1b5a58d17465",
3   "name": "du lich ha noi",
4   "description": "di choi 10 ngay",
5   "dateStart": "2024-03-20T00:00:00.000Z",
6   "dateEnd": "2024-03-30T00:00:00.000Z",
7   "budget": 4000,
8   "type": "vacation",
9   "userId": "c645f697-4791-4c73-a202-3b60952f98b9",
10  "createdAt": "2024-04-09T18:16:16.789Z",
11  "updatedAt": "2024-04-17T09:46:28.591Z"
12 }
```

## Удалить поездку

HTTP Lab2\_be / trips / delete trip

DELETE localhost:8000/v1/trips/71eb3f8a-9fba-42fa-8d2f-b97bd8796178

Params Authorization Headers (7) **Body** Pre-request Script Tests Settings

☒ none ☐ form-data ☐ x-www-form-urlencoded ☐ raw ☐ binary ☐ GraphQL

Body Cookies Headers (8) Test Results

Pretty Raw Preview Visualize HTML

```
1 Trip has been successfully deleted
```

Получить activities (варианты по интересам пользователя)

Lab2\_be / activities / get all

GET localhost:8000/v1/activities/ Send

Params Authorization Headers (7) **Body** Pre-request Script Tests Settings Cookies

☒ none ☐ form-data ☐ x-www-form-urlencoded ☐ raw ☐ binary ☐ GraphQL

This request does not have a body

Body Cookies Headers (8) Test Results 201 Created 14 ms 701 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   {
3     "id": "7fb3ed3a-7538-4f9a-96f8-d9c4b8f202d2",
4     "name": "beach",
5     "createdAt": "2024-04-09T17:07:22.650Z",
6     "updatedAt": "2024-04-09T17:07:22.650Z"
7   },
8   {
9     "id": "0e766b97-3421-441f-8aa4-90cab2f76183",
10    "name": "travel",
11    "createdAt": "2024-04-09T17:07:46.142Z",
12    "updatedAt": "2024-04-09T17:07:46.142Z"
13  },
14  {
15    "id": "10a59a73-6d4d-46cc-9244-e9f6edc3e4a0",
16    "name": "team building",
17    "createdAt": "2024-04-13T18:53:38.473Z",
18    "updatedAt": "2024-04-13T18:53:38.473Z"
19  }
20 }
```

Получить locations, locations ответа будет вложено в reviews и activities.

Lab2.be / Locations / Get all

GET

localhost:8000/v1/locations/

Send

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

{

2

"min\_rating": 1

3

}

bodyCookiesHeaders (8)Test Results

Status: 201 CreatedTime: 18 msSize: 3.94 KBSave as example

Pretty

Raw

Preview

Visualize

JSON

109

|

|

activities: []

110

|

|

|

111

|

|

|

112

|

|

|

"id": "c31882d2-ab6d-4788-8a32-cd0bd53ada83",

113

|

|

|

"name": "Dambril",

114

|

|

|

"address": "12 xxx",

115

|

|

|

"rating": 2,

116

|

|

|

"createdAt": "2024-04-13T19:24:12.290Z",

117

|

|

|

"updatedAt": "2024-04-17T09:08:34.581Z",

118

|

|

|

"reviews": [

119

|

|

|

{

120

|

|

|

"id": "6d446e9c-8497-4837-a717-e5c47f8597c2",

121

|

|

|

"content": "so so",

122

|

|

|

"rating": 3,

123

|

|

|

"user\_id": "421ef88d-c668-4c1d-a4c8-3ad7b1fa2e6a",

124

|

|

|

"location\_id": "c31882d2-ab6d-4788-8a32-cd0bd53ada83",

125

|

|

|

"createdAt": "2024-04-17T09:08:34.566Z",

126

|

|

|

"updatedAt": "2024-04-17T09:08:34.566Z"

127

|

|

|

},

128

|

|

|

},

129

|

|

|

{

130

|

|

|

"id": "742787d1-327c-49da-8d47-ac2aa218bfaa",

131

|

|

|

"content": "te",

132

|

|

|

"rating": 1,

133

|

|

|

"user\_id": "bddee843-7a23-4367-87ed-c9e7d9e827a3",

134

|

|

|

"location\_id": "c31882d2-ab6d-4788-8a32-cd0bd53ada83",

135

|

|

|

"createdAt": "2024-04-14T23:22:32.216Z",

136

|

|

|

"updatedAt": "2024-04-14T23:22:32.216Z"

137

|

|

|

},

138

|

|

|

],

139

|

|

|

"activities": [

140

|

|

|

{

141

|

|

|

"id": "0a765b97-3d71-d41f-8aad-0a9a977a1a91"

Получить все предложения

Lab2.be / Offers / get all (query)

GET

localhost:8000/v1/offers/

Send

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

{

2

"id": "2c529b87-3d7e-41b6-ab44-8a8b54f2dab0",

3

"name": "giam gia 58N",

4

"description": "giam gia cuc hot tu ngay den ngay",

5

"type": "ticket",

6

"price": 88,

7

"location\_id": "2e9f57aa-fe48-48e8-9152-18f6a40eca84",

8

"createdAt": "2024-04-09T13:38:08.935Z",

9

"updatedAt": "2024-04-09T13:38:08.935Z"

10

},

11

{

12

"id": "92af5a9d-ef61-4a5a-ae51-24baf1df1ff9",

13

"name": "ve giam gia",

14

"description": "ve tham quan pho co",

15

"type": "ticket",

16

"price": 88,

17

"location\_id": "268c18d3-d8ad-4a64-a8a1-96d7cf36c843",

18

"createdAt": "2024-04-14T16:49:36.821Z",

19

"updatedAt": "2024-04-14T16:49:36.821Z"

20

},

21

{

22

"id": "bc3489bd-f4af-49ce-b227-aea4bc47efff",

23

"name": "giam gia xx",

24

"description": "giam gia location xx",

25

"type": "DISCOUNT",

26

"price": 88,

27

"location\_id": "dd991500-8548-49a2-8fb2-ebbb8b6799b8",

28

"createdAt": "2024-04-14T16:58:34.432Z",

29

"updatedAt": "2024-04-14T16:58:34.432Z"

30

},

31

{

32

"id": "fc6e8b7c-4322-4641-8a3e-54a98afc06d9",

33

"name": "giam gia xx",

34

"description": "giam gia dambril xx",

35

}

PostbotRunnerStart ProxyCookiesTrash

## Получить предложение по запросам (цена ниже 200, тип «билет»)

Lab2\_be / Offers / get all (query)

GET

localhost:8000/v1/offers/

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

Body

Cookies

Headers (8)

Test Results

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

7

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17

18

19

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21

22

## Получить locations, соответствующие интересам пользователя

Lab2\_be / User / get high recommend location

GET

localhost:8000/v1/users/recommend-location

ParamsAuthorizationHeaders (9)BodyPre-request ScriptTestsSettings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

Body

Cookies

Headers (8)

Test Results

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

7

8

9

10

11

12

13

14

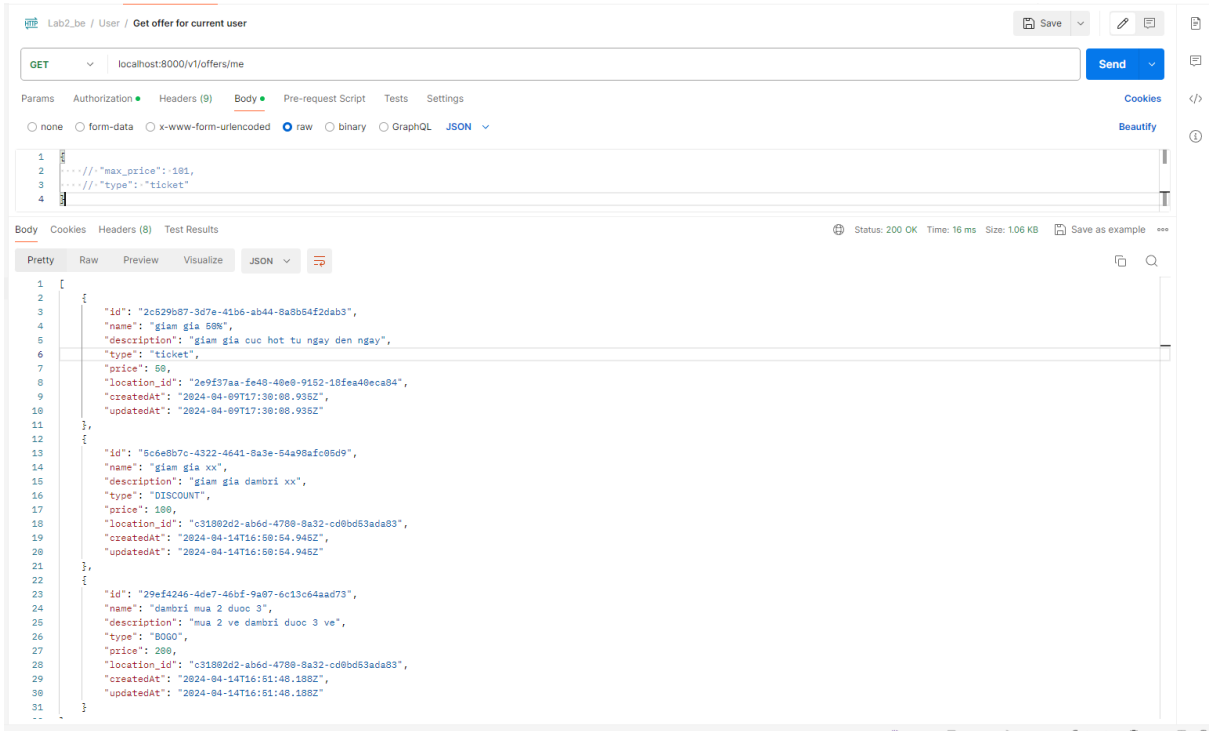
15

16

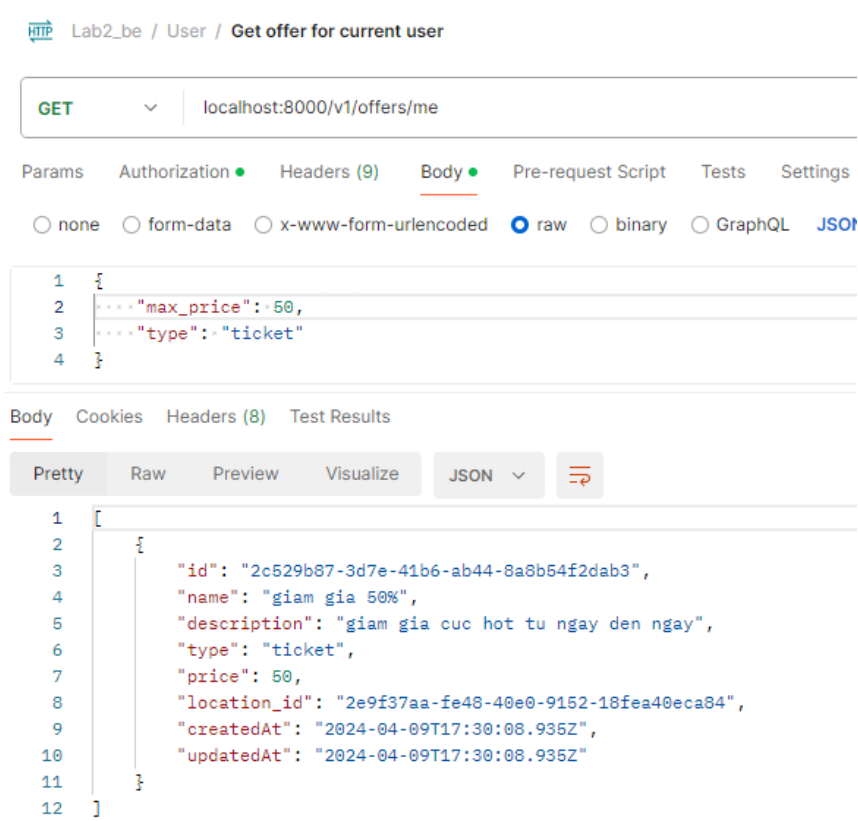
17

18

## Получить предложения, соответствующие интересам пользователей



## Предложения по запросам соответствуют интересам пользователей





## **Вывод**

В ходе пятой практической работы я освоила программу для тестирования API Postman и успешно протестировала все эндпоинты разработанного мной API в рамках ЛР 2.