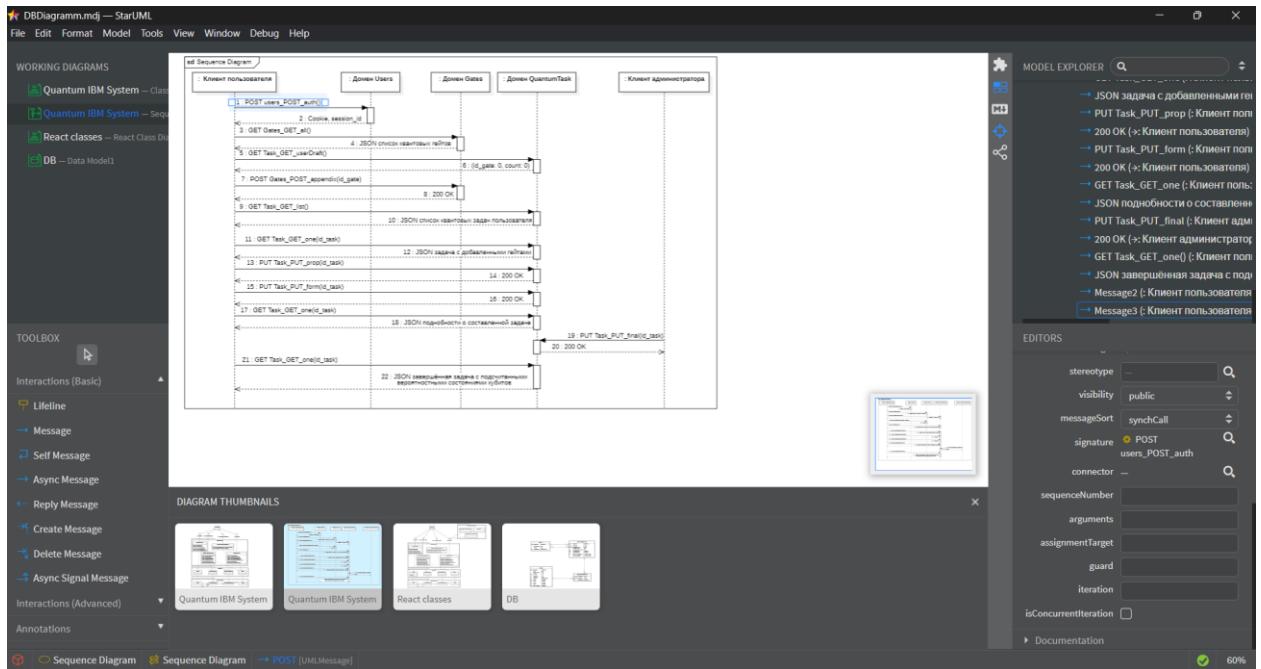


Исправлено после демонстрации

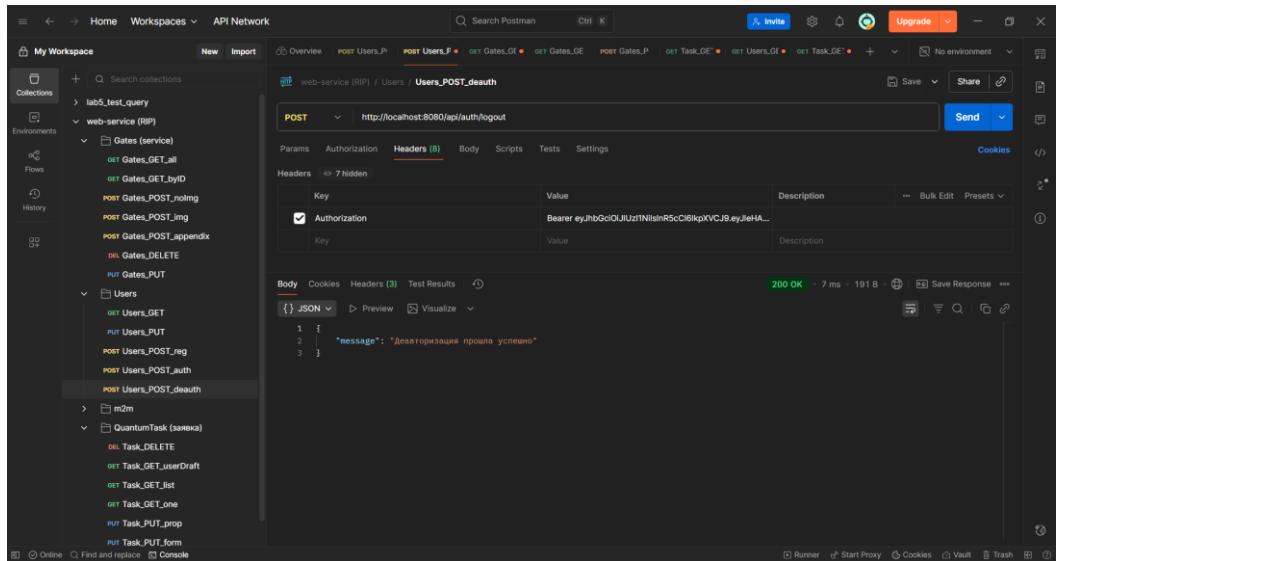
Шестерёнка для запроса



Redis – скрин из командной строки

```
C:\WINDOWS\system32\cmd. x + v
(error) WRONGPASS invalid username-password pair or user is disabled.
127.0.0.1:6379> AUTH password
OK
127.0.0.1:6379> KEYS *
1) "rip_service.jwteyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAi0jE3NjI3ODYxNzUsImlhCI6MTc2Mjc4MjU3NSwiaWRfdXNlcii60Cw
iaXNFYWRtaW4iOnRydWV9.jKadx_htW9_o56AHFTChn6hW9y945lgA0mMOVQvcbjbk"
2) "rip_service.jwteyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAi0jE3NjI3ODkwNjUsImlhCI6MTc2Mjc4NTQ2NSwiaWRfdXNlcii60Cw
iaXNFYWRtaW4iOnRydWV9.VqnIibl2EI8Sb2ajfk01XK-FX4-yWZtIhokVlsWRoAs"
127.0.0.1:6379> KEYS "rip_service.jwt*"
1) "rip_service.jwteyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAi0jE3NjI3ODYxNzUsImlhCI6MTc2Mjc4MjU3NSwiaWRfdXNlcii60Cw
iaXNFYWRtaW4iOnRydWV9.jKadx_htW9_o56AHFTChn6hW9y945lgA0mMOVQvcbjbk"
2) "rip_service.jwteyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAi0jE3NjI3ODkwNjUsImlhCI6MTc2Mjc4NTQ2NSwiaWRfdXNlcii60Cw
iaXNFYWRtaW4iOnRydWV9.VqnIibl2EI8Sb2ajfk01XK-FX4-yWZtIhokVlsWRoAs"
127.0.0.1:6379>
```

Передача заголовка вручную



Выполнить метод аутентификации через swagger в режиме инкогнито, получить список заявок в swagger

The image shows two separate instances of the Swagger UI interface, both running on localhost:8080. The top window displays a POST request to '/login' with a curl command, a Request URL of 'http://localhost:8080/login', and a Server response showing a JSON object with a token and user details. The bottom window displays a GET request to '/api/quantum_tasks' with a Request URL of 'http://localhost:8080/api/quantum_tasks', and a Server response showing a list of tasks.

Далее в insomnia/postman выполнить GET списка заявок: 401/403 для гостя, для создателя только его заявки

The screenshot shows the Postman application interface. A GET request is being made to 'http://localhost:8080/api/quantum_tasks'. The 'Authorization' tab is selected, and the 'Bearer Token' option is chosen. A 'Token' field is present but empty. The response status is '401 Unauthorized' with a message: 'empty auth header' and 'status: fail'.

Выполнить GET списка заявок - для модератора все заявки.

The screenshot displays two identical instances of the Postman application window, both showing the same API request configuration.

Request URL: `http://localhost:8080/api/quantum_tasks`

Method: GET

Authorization: Bearer Token (Token field is empty)

Body (JSON):

```
[{"id_task": 10, "task_status": "assegnata", "creation_date": "2025-10-12T15:54:26.194924+03:00", "id_user": 1, "conclusion_date": "2025-10-12T15:54:54.271286+03:00", "task_description": "tutto-potr", "res_koef_0": 1, "res_koef_1": 0, "gates_degrees": [1]}
```

Response Headers: 200 OK, 36 ms, 5.63 KB

Request URL: `http://localhost:8080/api/quantum_tasks`

Method: GET

Authorization: Bearer Token (Token field is empty)

Body (JSON):

```
[{"id_task": 11, "task_status": "assegnata", "creation_date": "2025-10-12T01:49:39.591864+03:00", "id_user": 1, "conclusion_date": "2025-10-23T02:38:24.131482+03:00", "task_description": "engolo buky", "res_koef_0": 0.94802404, "res_koef_1": 0.9129453, "gates_degrees": [1]}
```

Response Headers: 200 OK, 25 ms, 468 B

Выполнить PUT завершения заявки: для создателя 403 статус, для модератора успех и обновление полей.

The screenshot shows the Postman application interface. The left sidebar is titled "My Workspace" and contains a tree view of API collections. The "web-service (RIP)" collection is expanded, showing sub-collections like "Gates (service)", "Users", and "m2m". The "Gates (service)" collection has several requests listed: "GET Gates.GET_all", "GET Gates.GET_byID", "POST Gates.POST_nothing", "POST Gates.POST_img", "POST Gates.POST_appendix", "DELETE Gates.DELETE", "PUT Gates.PUT", and "PUT Gates.PUT". The "Users" collection contains "GET Users.GET", "PUT Users.PUT", "POST Users.POST_nothing", "POST Users.POST_reg", "POST Users.POST_auth", and "POST Users.POST_death". The "m2m" collection contains "Task.DELETE", "Task.userDraft", "Task.GET_list", "Task.GET_one", "PUT Task_PUT_prop", "PUT Task_PUT_form", and "PUT Task_PUT_final".

The main workspace is focused on the "PUT Task.PUT_final" request under the "web-service (RIP) / QuantumTask (samecs)" endpoint. The URL is set to `http://localhost:8080/api/quantum_tasks/{id}/resolve`. The request method is PUT. The "Body" tab is selected, showing a JSON payload:

```
{  
  "message": "access denied: moderator rights required",  
  "status": "fail"  
}
```

The response status is 403 Forbidden, with a duration of 4 ms and a total size of 200 B. The response body is identical to the request body.

The screenshot shows the Postman interface with a successful API call to `Task_PUT_final`. The response body is a JSON object:

```

1  {
2     "id_task": 3,
3     "task_status": "запущен",
4     "creation_date": "2025-10-23T01:49:39.595864+03:00",
5     "id_user": 6,
6     "conclusion_date": "2025-10-23T02:38:24.1314822+03:00",
7     "task_description": "ноги буки",
8     "res_coeff_0": 0.48880284,
9     "res_coeff_1": 0.91949483,
10    "gates_degrees": null
11 }

```

Показать содержимое Redis через cmd, для сессий показать пользователя

The screenshot shows the Docker Desktop interface with the `redis-redis-1` container running. The logs tab displays Redis command interactions:

```

127.0.0.1:6379> AUTH
(error) ERR wrong number of arguments for 'auth' command
127.0.0.1:6379> AUTH password
OK
127.0.0.1:6379> KEYS
(error) ERR wrong number of arguments for 'keys' command
127.0.0.1:6379> KEYS *
(empty array)
127.0.0.1:6379> KEYS *
(empty array)
127.0.0.1:6379> KEYS *
(empty array)
127.0.0.1:6379> KEYS
(error) ERR wrong number of arguments for 'keys' command
127.0.0.1:6379> KEYS *
(empty array)
127.0.0.1:6379> KEYS *
(empty array)
127.0.0.1:6379> KEYS *
1) "rlp_service.jwt eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAiOiE3NjEyMTC3MTysImlhCI6Mtc2MTIxNDExNtwiaRFdXNlciL160CviaXNFYnRtaW4iOnRydiV9.4f6AmY7gh4r6njk39dhqN89fdg1bhKmW0bark33kzIM"
127.0.0.1:6379> KEYS "rlp_service.jwt.*"
Invalid argument(s)
127.0.0.1:6379> KEYS "rlp_service.jwt.*"
1) "rlp_service.jwt eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAiOiE3NjEyMTC3MTysImlhCI6Mtc2MTIxNDExNtwiaRFdXNlciL160CviaXNFYnRtaW4iOnRydiV9.4f6AmY7gh4r6njk39dhqN89fdg1bhKmW0bark33kzIM"
127.0.0.1:6379>

```