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**Тестовое задание.**

**Part 1.**

For domain <https://besttester.izh>

1. **Request**   
   GET / besttester.izh**/**usersHTTP 1.1  
   host: besttester.izh  
   accept: application/ json  
   content-type: application/ json  
    **Response**   
   200 OK  
   [  
   {  
   ”first name”: “Anna”,  
    “last name”: “Miles”,   
   “email”: “[111@111.111](mailto:111@111.111)”,   
   “location”: “Sweden”,   
   “experience”: “2 years”  
   }  
   etc.  
   ]
2. **2.1 Request**   
   POST / besttester.izh**/**create/ HTTP 1.1  
   host: besttester.izh  
   accept: application/ json  
   content-type: application/ json  
     
   **Response**200 OK  
   {  
   ”first name”: “Brian”,  
    “last name”: “O’Connor”,   
   “email”: “[forsage1&2@rules.com](mailto:forsage1&2@rules.com)”,   
   “location”: “USA”,   
   “experience”: “5 years”  
   }  
     
   **2.2 Request**   
   POST / besttester.izh**/**create/ HTTP 1.1  
   host: besttester.izh  
   accept: application/ json  
   content-type: application/ json

**Response**200 OK  
{  
”first name”: “Kyle”,  
 “last name”: “Reese”,   
“email”: “[t1000@dot.com](mailto:t1000@dot.com)”,   
“location”: “LA”,   
“experience”: “16 years”  
}  
  
**2.3 Request**   
POST / besttester.izh**/**create/ HTTP 1.1  
host: besttester.izh  
accept: application/ json  
content-type: application/ json  
  
**Response**200 OK  
{  
”first name”: “Ace”,  
 “last name”: “Ventura”,   
“email”: “[kat@dog.mouse](mailto:kat@dog.mouse)”,   
“location”: “Russia”,   
“experience”: “8 years”  
}

1. **Request**GET / besttester.izh/users?desired\_salary<100000 HTTP 1.1  
   host: besttester.izh  
   accept: application/ json  
   content-type: application/ json  
     
   **Response**401 Unauthorized

For domain <https://api.besttester.izh>

1. **Request**   
   GET / api.besttester.izh**/**usersHTTP 1.1  
   host: besttester.izh  
   accept: application/ json  
   content-type: application/ json  
   authorization: api\_token **Response**   
   200 OK  
   [  
   {  
   “id”: 1  
   ”first name”: “Anna”,  
    “last name”: “Miles”,   
   “email”: “[111@111.111](mailto:111@111.111)”,   
   “location”: “Sweden”,   
   “experience”: “2 years”  
   “age”: 27  
   “gender”: “female”  
   “desired salary”: 80000  
   }  
   etc.  
   ]
2. **2.1 Request**   
   POST / besttester.izh**/**create/ HTTP 1.1  
   host: besttester.izh  
   accept: application/ json  
   content-type: application/ json  
   authorization: api\_token  
    **Response**200 OK  
   {  
   “id”: 2  
   ”first name”: “Brian”,  
    “last name”: “O’Connor”,   
   “email”: “[forsage1&2@rules.com](mailto:forsage1&2@rules.com)”,   
   “location”: “USA”,   
   “experience”: “5 years”  
   “age”: 31  
   “gender”: “male”  
   “desired salary”: 80000   
   }  
     
   **2.2 Request**   
   POST / besttester.izh**/**create/ HTTP 1.1  
   host: besttester.izh  
   accept: application/ json  
   content-type: application/ json  
   authorization: api\_token  
     
   **Response**200 OK  
   {  
   “id”: 3  
   ”first name”: “Kyle”,  
    “last name”: “Reese”,   
   “email”: “[t1000@dot.com](mailto:t1000@dot.com)”,   
   “location”: “LA”,   
   “experience”: “16 years”  
   “age”: 48  
   “gender”: “male”  
   “desired salary”: 200000   
   }  
     
   **2.3 Request**   
   POST / besttester.izh**/**create/ HTTP 1.1  
   host: besttester.izh  
   accept: application/ json  
   content-type: application/ json  
   authorization: api\_token  
     
   **Response**200 OK  
     
   {  
   “id”: 4  
   ”first name”: “Ace”,  
    “last name”: “Ventura”,   
   “email”: “[kat@dog.mouse](mailto:kat@dog.mouse)”,   
   “location”: “Russia”,   
   “experience”: “8 years”  
   “age”: 34  
   “gender”: “male”  
   “desired salary”: 150000   
   }
3. **Request**GET / api.besttester.izh/users?desired\_salary<100000 HTTP 1.1  
   host: besttester.izh  
   accept: application/ json  
   content-type: application/ json  
   authorization: api\_token  
     
   **Response**200 OK

[  
{  
“id”: 1  
”first name”: “Anna”,  
 “last name”: “Miles”,   
“email”: “[111@111.111](mailto:111@111.111)”,   
“location”: “Sweden”,   
“experience”: “2 years”  
“age”: 27  
“gender”: “female”  
“desired salary”: 80000  
},  
{  
“id”: 2  
”first name”: “Brian”,  
 “last name”: “O’Connor”,   
“email”: “[forsage1&2@rules.com](mailto:forsage1&2@rules.com)”,   
“location”: “USA”,   
“experience”: “5 years”  
“age”: 31  
“gender”: “male”  
“desired salary”: 80000   
}  
]

What is needed to be added into task description:

1. description of mandatory fields for creating user;
2. add requirements of the “desired salary” field. It isn’t clear in what currency I should write desired salary (rub, USD, EURO etc.). because of that I wrote it in scalar numbers. If I did it in another way request will fault;
3. it isn’t clear API works with array data or not. That is why I used array only when in response I receive a lot of same type of data.

**Part 2.**

Actually, there is no much reasons for choosing one of those. I can choose if things are similar, but these two requests are opposite.

We use “GET” request every time when we need to receive some data from backend (DB). The “POST” request we use when we need to add some data into the DB.

This rule its’s not mandatory and you can use any other request for same needs, but if we wont to create good and understandable for “some guy” API we need to use these two requests as I said before.

Now it’s must be clear, why I said that there is no much reasons to use one or another. Each of them is special and it is a good practice to use them as it’s used everywhere.