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# Testing CRUD for smart goals setter system with Swagger

**default**

| POST | /register | Create User |
| POST | /login | Login |
| GET | /users/whoami | Read Users Me |
| DELETE | /user/{user_id} | Delete User |
| GET | /goals | Get Goals |
| POST | /goals | Create Goal |
| GET | /goal/{goal_id} | Get Goal |
| DELETE | /goal/{goal_id} | Delete Goal |
| PATCH | /goal/{goal_id} | Update Goal |
| GET | / | Home |

**Schemas**

To register in the system you must send a **POST /register** query with required fields: username, full_name and password.

**Responses**

Curl

```
curl -X 'POST' \
  'http://localhost:5000/register' \
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -d '{
  "username": "Derzhanskaia",
  "full_name": "Anastasiia",
  "password": "pass"
}'
```

**Request URL**

```
http://localhost:5000/register
```

**Server response**

| Code | Details |
| --- | --- |
| 200 | **Response body** |

```
{
  "id": 2,
  "username": "Derzhanskaia",
  "full_name": "Anastasiia",
  "goal": []
}
```

**Response headers**

```
access-control-allow-credentials: true
content-length: 69
content-type: application/json
date: Thu,01 Jun 2023 08:00:10 GMT
server: uvicorn
```

To login in the system you must send a **POST /login** query with required fields: username and password.

```
Curl

curl -X 'POST' \
  'http://localhost:5000/login' \
  -H 'accept: application/json' \
  -H 'Content-Type: application/x-www-form-urlencoded' \
  -d 'grant_type=&username=Derzhanskaia&password=pass&scope=&client_id=&client_secret='

Request URL

http://localhost:5000/login

Server response

Code       Details

200
           Response body
           {
             "message": "You've successfully logged in. Welcome back!"
           }

           Response headers
           access-control-allow-credentials: true
           content-length: 58
           content-type: application/json
           date: Thu,01 Jun 2023 08:00:20 GMT
           server: uvicorn

Responses
```
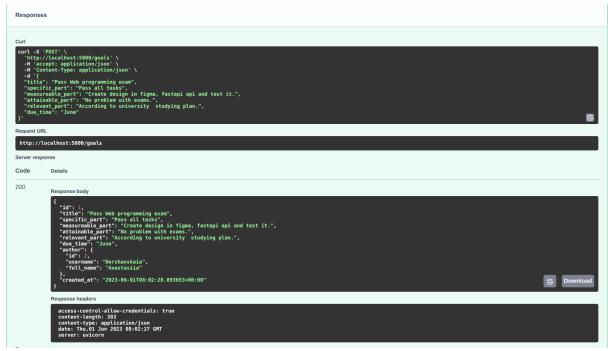
To get username, full_name and list of submitted goals you must send a **GET /users/whoami** query without parameters.

```
Responses

Curl

curl -X 'GET' \
  'http://localhost:5000/users/whoami' \
  -H 'accept: application/json'

Request URL

http://localhost:5000/users/whoami

Server response

Code       Details

200
           Response body
           {
             "id": 1,
             "username": "Derzhanskaia",
             "full_name": "Anastasiia",
             "goal": []
           }

           Response headers
           content-length: 69
           content-type: application/json
           date: Thu,01 Jun 2023 07:57:17 GMT
           server: uvicorn
```

To delete a user from the system you must send a **DELETE /users/{user_id}** query with parameter user_id inside the query.

```
Responses

Curl

curl -X 'DELETE' \
  'http://localhost:5000/user/1' \
  -H 'accept: application/json'

Request URL

http://localhost:5000/user/1

Server response

Code       Details

200
           Response body
           {
             "message": "Deleted user 1"
           }

           Response headers
           access-control-allow-credentials: true
           content-length: 28
           content-type: application/json
           date: Thu,01 Jun 2023 07:59:09 GMT
           server: uvicorn
```
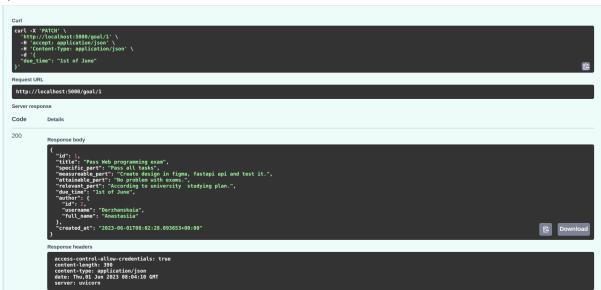
To create a new smart goal in the system you must send a **POST /goals** query with required parameters: title, specific_part, measureable_part, attainable_part, relevant_part, due_time.

Responses

Curl

```
curl -X 'POST' \
  'http://localhost:5000/goals' \
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -d '{
  "title": "Pass Web programming exam",
  "specific_part": "Pass all tasks",
  "measureable_part": "Create design in figma, fastapi api and test it.",
  "attainable_part": "No problem with exams.",
  "relevant_part": "According to university  studying plan.",
  "due_time": "June"
}'
```

Request URL

```
http://localhost:5000/goals
```

Server response

| Code | Details |
| --- | --- |
| 200 | Response body |

```
{
  "id": 1,
  "title": "Pass Web programming exam",
  "specific_part": "Pass all tasks",
  "measureable_part": "Create design in figma, fastapi api and test it.",
  "attainable_part": "No problem with exams.",
  "relevant_part": "According to university  studying plan.",
  "due_time": "June",
  "author": {
    "id": 2,
    "username": "Derzhanskaia",
    "full_name": "Anastasiia"
  },
  "created_at": "2023-06-01T08:02:28.093653+00:00"
}
```

Response headers

```
access-control-allow-credentials: true
content-length: 383
content-type: application/json
date: Thu,01 Jun 2023 08:02:27 GMT
server: uvicorn
```

To get a specific goal in the system you must send a **GET /goal/{goal_id}** query with goal_id parameter inside the query.

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:5000/goal/1' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:5000/goal/1
```

Server response

| Code | Details |
| --- | --- |
| 200 | Response body |

```
{
  "id": 1,
  "title": "Pass Web programming exam",
  "specific_part": "Pass all tasks",
  "measureable_part": "Create design in figma, fastapi api and test it.",
  "attainable_part": "No problem with exams.",
  "relevant_part": "According to university  studying plan.",
  "due_time": "June",
  "author": {
    "id": 2,
    "username": "Derzhanskaia",
    "full_name": "Anastasiia"
  },
  "created_at": "2023-06-01T08:02:28.093653+00:00"
}
```

Response headers

```
content-length: 383
content-type: application/json
date: Thu,01 Jun 2023 08:03:19 GMT
server: uvicorn
```

To update a specific goal you must send a **PATCH /goal/{goal_id}** query with goal_id parameter inside the query and a payload with parameters from the goal you need to update.

Curl
```
curl -X 'PATCH' \
  'http://localhost:5000/goal/1' \
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -d '{
  "due_time": "1st of June"
}'
```

Request URL
```
http://localhost:5000/goal/1
```

Server response

| Code | Details |
|------|---------|
| 200 | Response body |

```json
{
  "id": 1,
  "title": "Pass Web programming exam",
  "specific_part": "Pass all tasks",
  "measureable_part": "Create design in figma, fastapi api and test it.",
  "attainable_part": "No problem with exams.",
  "relevant_part": "According to university  studying plan.",
  "due_time": "1st of June",
  "author": {
    "id": 2,
    "username": "Derzhanskaia",
    "full_name": "Anastasiia"
  },
  "created_at": "2023-06-01T08:02:28.093653+00:00"
}
```

Response headers
```
access-control-allow-credentials: true
content-length: 390
content-type: application/json
date: Thu,01 Jun 2023 08:04:10 GMT
server: uvicorn
```

To get a list of goals you must send a **GET /goals** query.

Curl
```
curl -X 'GET' \
  'http://localhost:5000/goals' \
  -H 'accept: application/json'
```

Request URL
```
http://localhost:5000/goals
```

Server response

| Code | Details |
|------|---------|
| 200 | Response body |

```json
[
  {
    "id": 1,
    "title": "Pass Web programming exam",
    "specific_part": "Pass all tasks",
    "measureable_part": "Create design in figma, fastapi api and test it.",
    "attainable_part": "No problem with exams.",
    "relevant_part": "According to university  studying plan.",
    "due_time": "June",
    "author": {
      "id": 2,
      "username": "Derzhanskaia",
      "full_name": "Anastasiia"
    },
    "created_at": "2023-06-01T08:02:28.093653+00:00"
  }
]
```

Response headers
```
content-length: 385
content-type: application/json
date: Thu,01 Jun 2023 08:02:52 GMT
server: uvicorn
```

To delete a specific goal you must send a **DELETE /goal/{goal_id}** with goal_id inside the query.

Curl
```
curl -X 'DELETE' \
  'http://localhost:5000/goal/1' \
  -H 'accept: application/json'
```

Request URL
```
http://localhost:5000/goal/1
```

Server response

| Code | Details |
|------|---------|
| 200 | Response body |

```json
{
  "message": "Deleted goal 1"
}
```

Response headers
```
access-control-allow-credentials: true
content-length: 28
content-type: application/json
date: Thu,01 Jun 2023 08:04:52 GMT
server: uvicorn
```