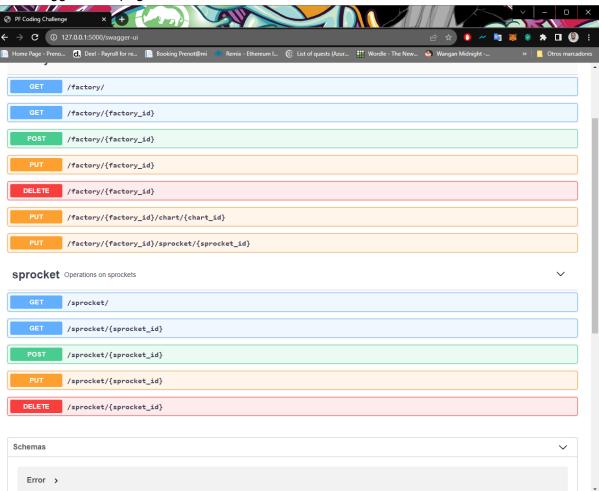The swagger main page



The creation of the first factory with empty fields

## Response

**Responses**

**Curl**

```
curl -X POST "http://127.0.0.1:5000/factory/1" -H "accept: application/json" -H "Content-Type: application/json" -d "{\"name\":\"Testing\",\"sprockets\":[],\"chart_data\":[]}"
```

**Request URL**

```
http://127.0.0.1:5000/factory/1
```

**Server response**

| Code | Details |
|------|---------|
| 201 | **Response body** |

```
{
  "chart_data": [],
  "id": 1,
  "name": "Testing",
  "sprockets": []
}
```
Download

**Response headers**

```
connection: close
content-length: 57
content-type: application/json
date: Mon, 04 Sep 2023 14:47:02 GMT
server: Werkzeug/2.3.7 Python/3.11.5
```

**Responses**

| Code | Description | Links |
|------|-------------|-------|

## Get with ID:1

**GET** /factory/{factory_id}

**Parameters**                                                                  Cancel

| Name | Description |
|------|-------------|
| factory_id * required<br>integer<br>(path) | `1` |

| Execute | Clear |
|---------|-------|

**Responses**

**Curl**

```
curl -X GET "http://127.0.0.1:5000/factory/1" -H "accept: application/json"
```

**Request URL**

```
http://127.0.0.1:5000/factory/1
```

**Server response**

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

```
{
  "chart_data": [],
  "id": 1,
  "name": "Testing",
  "sprockets": []
}
```
Download

**Response headers**

```
connection: close
content-length: 57
content-type: application/json
date: Mon, 04 Sep 2023 14:47:32 GMT
server: Werkzeug/2.3.7 Python/3.11.5
```

**Responses**

Using the endpoint to add a new chart to the factory

| PUT | /factory/{factory_id}/chart/{chart_id} |
|---|---|

**Parameters**                                                    Cancel

| Name | Description |
|---|---|
| factory_id * required<br>integer<br>(path) | 1 |
| chart_id * required<br>string<br>(path) | 1 |

**Request body** required                                    application/json ▾

```
{
  "sprocket_production_goal": 1000,
  "sprocket_production_rate": 1000,
  "time": 4564657894765465
}
```

| Execute | Clear |
|---|---|

**Responses**

**Curl**

## Response

**Server response**

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

```
{
  "chart_data": [
    {
      "sprocket_production_goal": 1000,
      "sprocket_production_rate": 1000,
      "time": 4564657894765465
    }
  ],
  "id": 1,
  "name": "Testing",
  "sprockets": []
}
```
                                                              Download

**Response headers**

```
connection: close
content-length: 146
content-type: application/json
date: Mon, 04 Sep 2023 14:48:09 GMT
server: Werkzeug/2.3.7 Python/3.11.5
```

**Responses**

| Code | Description | Links |
|---|---|---|
| 200 | | No links |

## Changes into the get

**Request URL**

```
http://127.0.0.1:5000/factory/1
```

**Server response**

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

```
{
  "chart_data": [
    {
      "sprocket_production_goal": 1000,
      "sprocket_production_rate": 1000,
      "time": 4564657894765465
    }
  ],
  "id": 1,
  "name": "Testing",
  "sprockets": []
}
```
                                                              Download

**Response headers**

```
connection: close
content-length: 146
content-type: application/json
date: Mon, 04 Sep 2023 14:48:45 GMT
server: Werkzeug/2.3.7 Python/3.11.5
```

**Responses**

| Code | Description | Links |
|---|---|---|

Using the endpoint to add a sprocket to the factory directly

| PUT | /factory/{factory_id}/sprocket/{sprocket_id} |
|-----|-----------------------------------------------|

**Parameters**                                              Cancel

| Name | Description |
|------|-------------|
| factory_id * required<br>integer<br>(path) | 1 |
| sprocket_id * required<br>integer<br>(path) | 1 |

Request body <sup>required</sup>                      application/json ⌄

```
{
  "teeth": 110,
  "pitch_diameter": 2321,
  "outside_diameter": 2321,
  "pitch": 2321
}
```

| Execute | Clear |
|---------|-------|

## Response

Server response

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

```
{
  "chart_data": [
    {
      "sprocket_production_goal": 1000,
      "sprocket_production_rate": 1000,
      "time": 4564657894765465
    }
  ],
  "id": 1,
  "name": "Testing",
  "sprockets": [
    {
      "id": 1,
      "outside_diameter": 2321,
      "pitch": 2321,
      "pitch_diameter": 2321,
      "teeth": 110
    }
  ]
}
```
Download

**Response headers**
```
connection: close
content-length: 225
content-type: application/json
date: Mon, 04 Sep 2023 14:49:09 GMT
server: Werkzeug/2.3.7 Python/3.11.5
```

Responses

| Code | Description | Links |
|------|-------------|-------|
| 200 | OK | No links |

Using the get again

Code        Details

200         Response body

```json
{
    "chart_data": [
        {
            "sprocket_production_goal": 1000,
            "sprocket_production_rate": 1000,
            "time": 4564657894765465
        }
    ],
    "id": 1,
    "name": "Testing",
    "sprockets": [
        {
            "id": 1,
            "outside_diameter": 2321,
            "pitch": 2321,
            "pitch_diameter": 2321,
            "teeth": 110
        }
    ]
}
```

Download

Response headers

```
connection: close
content-length: 225
content-type: application/json
date: Mon, 04 Sep 2023 14:51:40 GMT
server: Werkzeug/2.3.7 Python/3.11.5
```

Responses

Code        Description                                                          Links

Now using the sprocket get

**sprocket** Operations on sprockets                                            ⌄

GET    /sprocket/

Parameters                                                                       Cancel

No parameters

| Execute | Clear |
|---------|-------|

Responses

Curl

```
curl -X GET "http://127.0.0.1:5000/sprocket/" -H "accept: application/json"
```

Request URL

```
http://127.0.0.1:5000/sprocket/
```

Server response

Code        Details

200         Response body

```json
[
    {
        "id": 1,
        "outside_diameter": 2321,
        "pitch": 2321,
        "pitch_diameter": 2321,
        "teeth": 110
    }
]
```

Download

Response headers

```
connection: close
content-length: 82
content-type: application/json
```

Get it by id

Parameters                                                                                    Cancel

| Name | Description |
| --- | --- |
| sprocket_id * required<br>integer<br>(path) | 1 |

Execute                                                                  Clear

Responses

Curl

```
curl -X GET "http://127.0.0.1:5000/sprocket/1" -H "accept: application/json"
```

Request URL

```
http://127.0.0.1:5000/sprocket/1
```

Server response

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

```
{
  "id": 1,
  "outside_diameter": 2321,
  "pitch": 2321,
  "pitch_diameter": 2321,
  "teeth": 110
}
```
Download

Response headers

```
connection: close
content-length: 80
content-type: application/json
date: Mon, 04 Sep 2023 14:52:19 GMT
server: Werkzeug/2.3.7 Python/3.11.5
```

Responses

Creating a new sprocket with an empty factory

POST    /sprocket/{sprocket_id}

Parameters                                                                                    Cancel

| Name | Description |
| --- | --- |
| sprocket_id * required<br>integer<br>(path) | 2 |

Request body required                                                    application/json ⌄

```
{
  "teeth": 12,
  "pitch_diameter": 12,
  "outside_diameter": 12,
  "pitch": 12,
  "factory_id": 0
}
```

Execute

Responses

| Code | Description | Links |
| --- | --- | --- |
| 201 | | No links |

Response
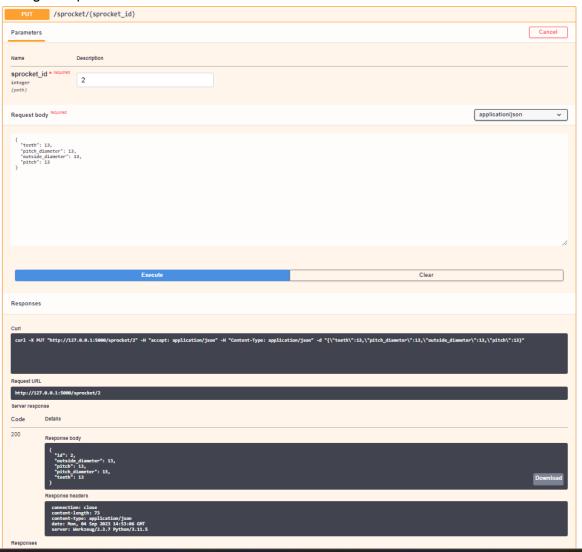
Server response

Code        Details

201
            Response body

            {
              "id": 2,
              "outside_diameter": 12,
              "pitch": 12,
              "pitch_diameter": 12,
              "teeth": 12
            }
                                                                                            Download

            Response headers

            connection: close
            content-length: 73
            content-type: application/json
            date: Mon, 04 Sep 2023 14:52:49 GMT
            server: Werkzeug/2.3.7 Python/3.11.5

Responses

Code        Description                                                                     Links

Editing the sprocket to have 13 instead

| PUT | /sprocket/{sprocket_id} |

**Parameters**                                                                       Cancel

Name            Description

**sprocket_id** * required
integer
(path)          [ 2 ]

**Request body** required                                            application/json ▾

```
{
  "teeth": 13,
  "pitch_diameter": 13,
  "outside_diameter": 13,
  "pitch": 13
}
```

| Execute | Clear |

**Responses**

Curl

curl -X PUT "http://127.0.0.1:5000/sprocket/2" -H "accept: application/json" -H "Content-Type: application/json" -d "{\"teeth\":13,\"pitch_diameter\":13,\"outside_diameter\":13,\"pitch\":13}"

Request URL

http://127.0.0.1:5000/sprocket/2

Server response

Code        Details

200
            Response body

            {
              "id": 2,
              "outside_diameter": 13,
              "pitch": 13,
              "pitch_diameter": 13,
              "teeth": 13
            }
                                                                                            Download

            Response headers

            connection: close
            content-length: 73
            content-type: application/json
            date: Mon, 04 Sep 2023 14:53:06 GMT
            server: Werkzeug/2.3.7 Python/3.11.5

Responses
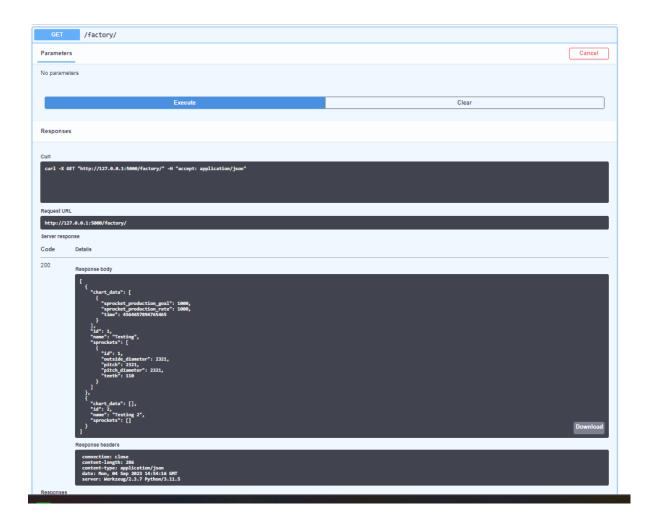
Deleting the sprocket

Searching for it by id

Creating a second factory to test the get all

GET    /factory/

Parameters                                                                          Cancel

No parameters

Execute                                                    Clear

Responses

Curl

curl -X GET "http://127.0.0.1:5000/factory/" -H "accept: application/json"

Request URL

http://127.0.0.1:5000/factory/

Server response

Code     Details

200      Response body

[
  {
    "chart_data": [
      {
        "sprocket_production_goal": 1000,
        "sprocket_production_rate": 1000,
        "time": 4564657894765465
      }
    ],
    "id": 1,
    "name": "Testing",
    "sprockets": [
      {
        "id": 1,
        "outside_diameter": 2321,
        "pitch": 2321,
        "pitch_diameter": 2321,
        "teeth": 110
      }
    ]
  },
  {
    "chart_data": [],
    "id": 2,
    "name": "Testing 2",
    "sprockets": []
  }
]
                                                                              Download

Response headers

connection: close
content-length: 286
content-type: application/json
date: Mon, 04 Sep 2023 14:54:16 GMT
server: Werkzeug/2.3.7 Python/3.11.5

Responses

Doing the same with the sprockets

| GET | /sprocket/ |
|-----|-----------|

**Parameters**                                                          Cancel

No parameters

| Execute | Clear |
|---------|-------|

**Responses**

Curl

```
curl -X GET "http://127.0.0.1:5000/sprocket/" -H "accept: application/json"
```

Request URL

```
http://127.0.0.1:5000/sprocket/
```

Server response

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

```
[
  {
    "id": 1,
    "outside_diameter": 2321,
    "pitch": 2321,
    "pitch_diameter": 2321,
    "teeth": 110
  },
  {
    "id": 2,
    "outside_diameter": 12,
    "pitch": 12,
    "pitch_diameter": 12,
    "teeth": 12
  }
]
```

Download

Response headers

```
connection: close
content-length: 155
content-type: application/json
date: Mon, 04 Sep 2023 14:54:43 GMT
server: Werkzeug/2.3.7 Python/3.11.5
```

**Responses**

| Code | Description | Links |
|------|-------------|-------|
| 200  | OK          | No links |

Media type

application/json  ∨