

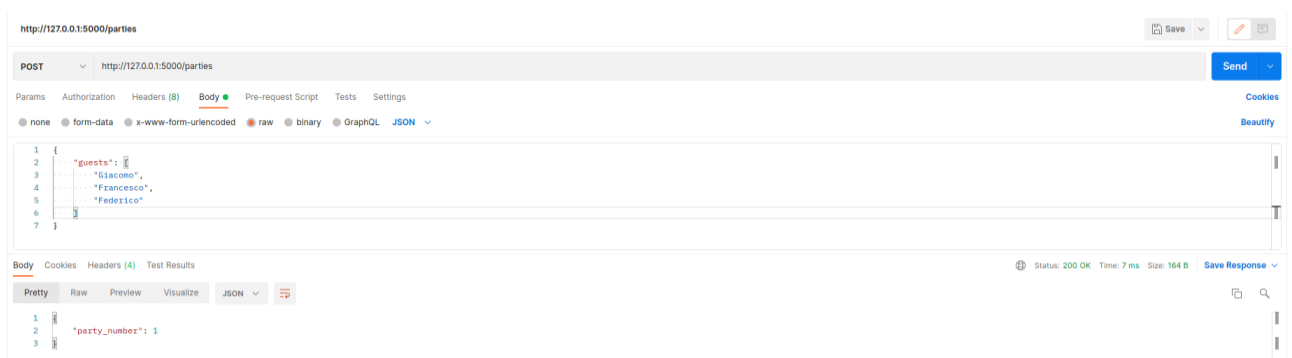
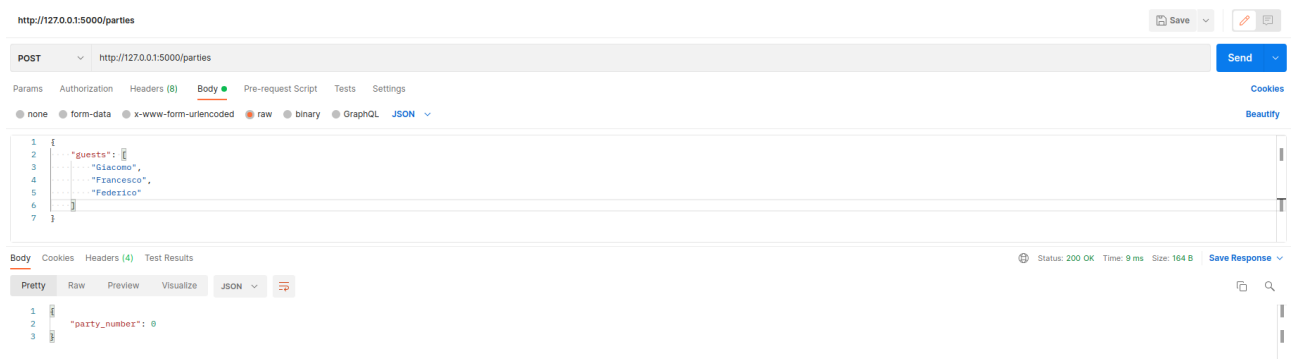
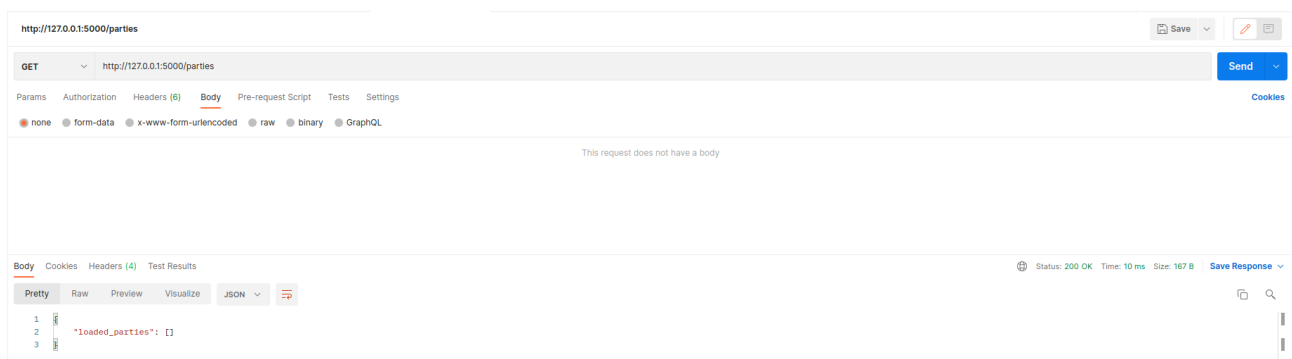
I followed the instruction given creating a virtual environment and installing required modules.

After completing the decorators with the allowed HTTP methods according to the table provided, I implemented all the methods.

(Screenshots are small to catch all the information given by Postman ever for non-pytested methods)

all_parties:

- If the method is **POST** then a try-except block is opened and the provided method **create_party** passing the request.
 - o If the content is bad formatted (no guests) an exception is raised and error code 400 is returned.
- If the method is **GET** the result of **get_all_parties** is returned (already jsonified by the provided function).



http://127.0.0.1:5000/parties

POST http://127.0.0.1:5000/parties Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Beautify

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

```
1 {
2   "guests": [
3     "Giacomo",
4     "Francesco",
5     "Federico"
6   ]
7 }
```

Body Cookies Headers (4) Test Results Status: 200 OK Time: 18 ms Size: 164 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "party_number": 2
3 }
```

http://127.0.0.1:5000/parties

GET http://127.0.0.1:5000/parties Send

Params Authorization Headers (6) 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 (4) Test Results Status: 200 OK Time: 11 ms Size: 368 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "loaded_parties": [
3     {
4       "foodlist": [],
5       "guests": [
6         "Giacomo",
7         "Francesco",
8         "Federico"
9       ],
10      "id": 0
11    },
12    {
13      "foodlist": [],
14      "guests": [
15        "Giacomo",
16        "Francesco",
17        "Federico"
18      ],
19      "id": 1
20    },
21    {
22      "foodlist": [],
23      "guests": [
24        "Giacomo",
25        "Francesco"
26      ],
27      "id": 2
28    }
29  ]
30 }
```

http://127.0.0.1:5000/parties

GET http://127.0.0.1:5000/parties Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

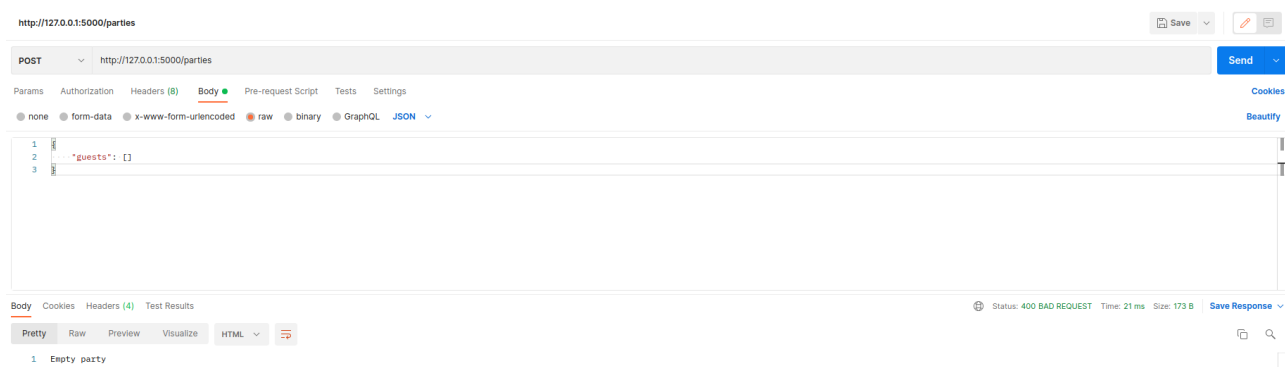
none form-data x-www-form-urlencoded raw binary GraphQL

This request does not have a body

Body Cookies Headers (4) Test Results Status: 200 OK Time: 11 ms Size: 368 B Save Response

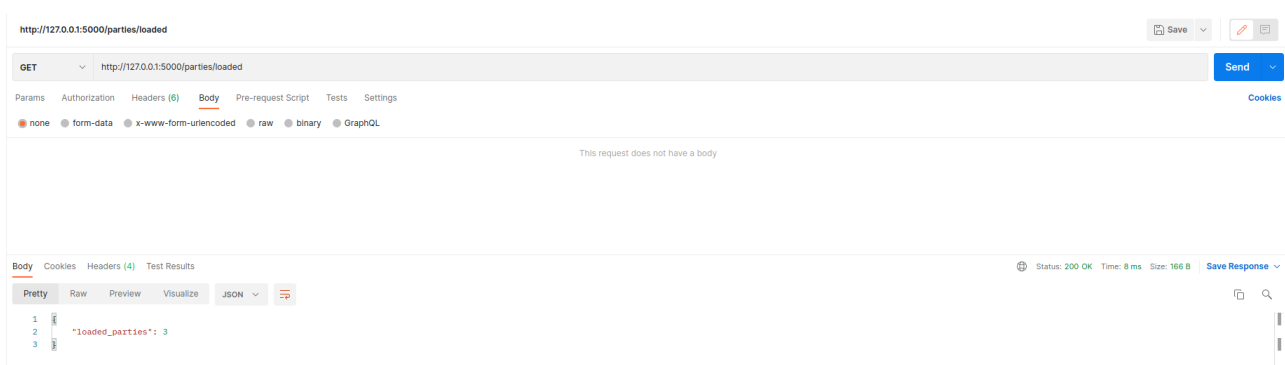
Pretty Raw Preview Visualize JSON

```
7   "Francesco",
8   "Federico"
9 },
10 "id": 0
11 },
12 {
13   "foodlist": [],
14   "guests": [
15     "Giacomo",
16     "Francesco",
17     "Federico"
18   ],
19   "id": 1
20 },
21 {
22   "foodlist": [],
23   "guests": [
24     "Giacomo",
25     "Francesco",
26     "Federico"
27   ],
28   "id": 2
29 }
30 ]
31 }
```



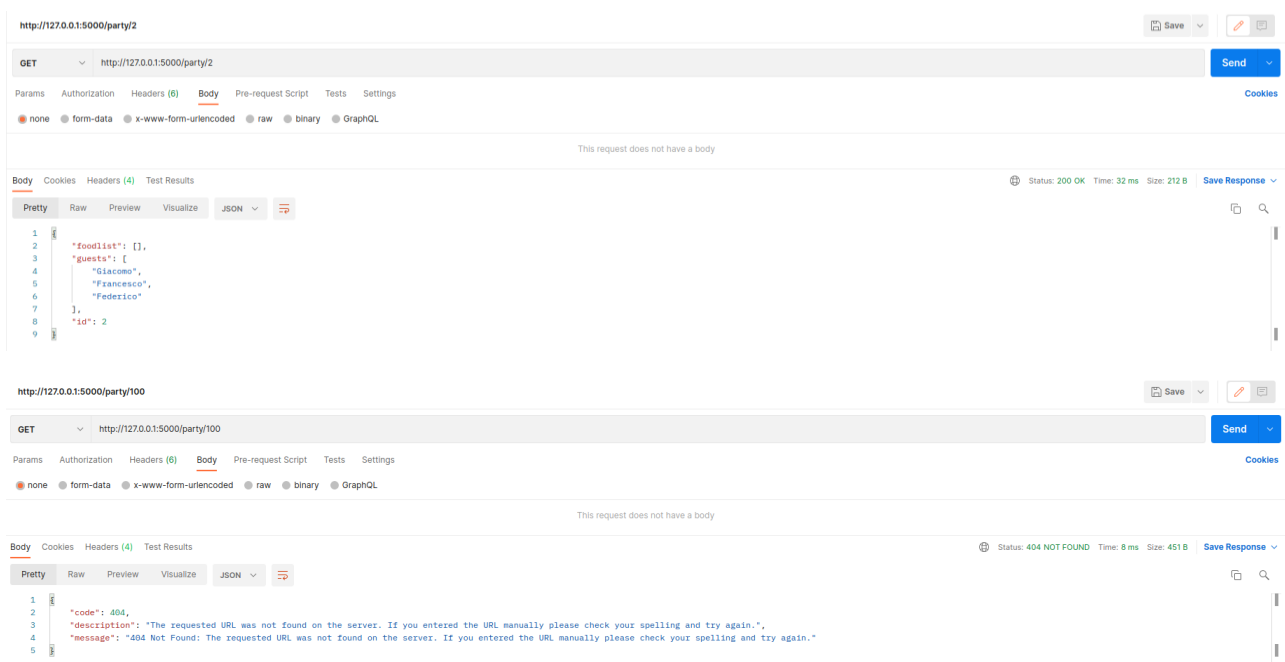
loaded_parties:

- Return the length of the dictionary containing the parties encapsulated in JSON with key **loaded_parties**.



single_party:

- Check whether the party exists.
- If the method is **GET** return the jsonified serialization of the party with **id** (taken from the URL).
- If the method is **DELETE** return the result of my utility function **delete_party** (created for the modularity of the code) called with the **id** (taken from the URL).



http://127.0.0.1:5000/party/0

DELETE http://127.0.0.1:5000/party/0

Params Authorization Headers (6) **Body** Pre-request Script Tests Settings

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

This request does not have a body

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize HTML

1 Done

http://127.0.0.1:5000/party/0

GET http://127.0.0.1:5000/party/0

Params Authorization Headers (6) **Body** Pre-request Script Tests Settings

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

This request does not have a body

Status: 200 OK Time: 18 ms Size: 156 B Save Response

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize **JSON**

```
1 {
2   "code": 410,
3   "description": "The requested URL is no longer available on this server and there is no forwarding address. If you followed a link from a foreign page, please contact the author of this page.",
4   "message": "410 Gone: The requested URL is no longer available on this server and there is no forwarding address. If you followed a link from a foreign page, please contact the author of this page."
5 }
```

Status: 410 GONE Time: 24 ms Size: 551 B Save Response

get_foodlist:

- Check whether the party exists.
- Return the serialization jsonified of the food list of the party **id** (taken from the URL).

http://127.0.0.1:5000/party/2/foodlist

GET http://127.0.0.1:5000/party/2/foodlist

Params Authorization Headers (6) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL **JSON**

1

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize **JSON**

```
1 {
2   "foodlist": [
3     {
4       "food": "pizza",
5       "user": "Francesco"
6     }
7   ]
8 }
```

Status: 200 OK Time: 8 ms Size: 196 B Save Response

edit_foodlist:

- Check whether the party exists.
- If the method is POST:
 - o In a try-except block **add_to_food_list** is called with item and user taken from the URL, then the jsonification of them is returned.
 - o If the method calls raise an exception an according error code is returned instead.
- If the method is DELETE:

- In a try-except block **remove_from_food_list** is called on the party **id** (taken from the URL) and return the jsonified message.
- If the food is not existing an error code (400) is returned instead.

http://127.0.0.1:5000/party/2/foodlist/Francesco/pizza

POST http://127.0.0.1:5000/party/2/foodlist/Francesco/pizza

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

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

1

Body Cookies Headers (4) Test Results

Status: 200 OK Time: 6 ms Size: 161 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "food": "pizza",
3   "user": "Francesco"
4 }
```

POST http://127.0.0.1:5000/party/2/foodlist/Francesco/pizza

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

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

This request does not have a body

Body Cookies Headers (4) Test Results

Status: 400 BAD REQUEST Time: 22 ms Size: 195 B Save Response

Pretty Raw Preview Visualize HTML

```
1 Item already inserted by the user
```

http://127.0.0.1:5000/party/2/foodlist/Stefano/pizza

POST http://127.0.0.1:5000/party/2/foodlist/Stefano/pizza

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

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

1

Body Cookies Headers (4) Test Results

Status: 401 UNAUTHORIZED Time: 6 ms Size: 180 B Save Response

Pretty Raw Preview Visualize HTML

```
1 Not invited guest
```

http://127.0.0.1:5000/party/2/foodlist/Francesco/pizza

DELETE http://127.0.0.1:5000/party/2/foodlist/Francesco/pizza

Params Authorization Headers (6) Body Pre-request Script Tests Settings

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

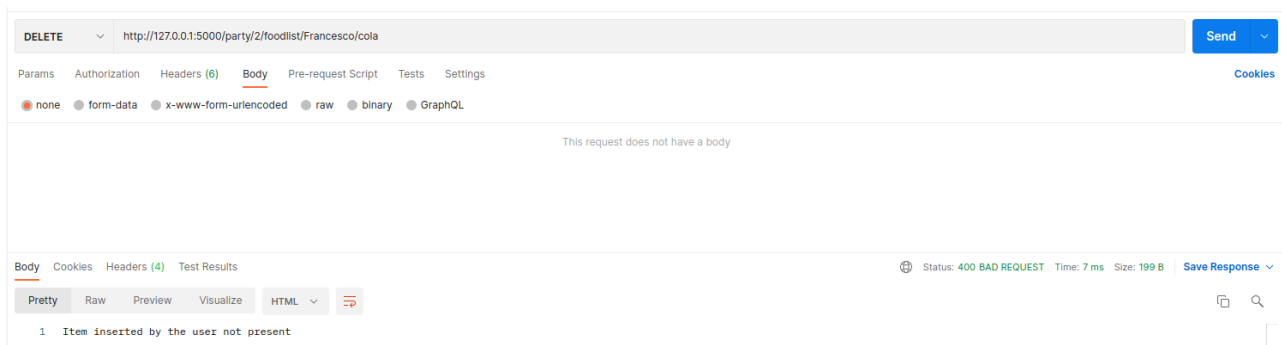
1

Body Cookies Headers (4) Test Results

Status: 200 OK Time: 15 ms Size: 169 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "msg": "Food deleted!"
3 }
```



Both tests passed.

```
File Actions Edit View Help
--(venv)kali@kali:~/Flask/HM1/ase-assignment1-master
$ pytest
platform linux -- Python 3.9.2, pytest-6.2.5, py-1.10.0, pluggy-1.0.0
rootdir: /home/kali/Flask/HM1/ase-assignment1-master, configfile: setup.cfg, testpaths: bedrock_a_party/tests
plugins: cov-2.9.0
collected 2 items

bedrock_a_party/tests/test_party.py ..

----- warnings summary -----
venv/lib/python3.9/site-packages/flask/json/_init_.py:31
/home/kali/Flask/HM1/ase-assignment1-master/venv/lib/python3.9/site-packages/flask/json/_init_.py:31: DeprecationWarning: Importing 'itsdangerous.json' is deprecated and will be removed in ItsDangerous 2.1. Use Python's 'json' module instead.
  _json_escape = "\\" not in _json.dumps('/')

venv/lib/python3.9/site-packages/flask/json/_init_.py:61
/home/kali/Flask/HM1/ase-assignment1-master/venv/lib/python3.9/site-packages/flask/json/_init_.py:61: DeprecationWarning: Importing 'itsdangerous.json' is deprecated and will be removed in ItsDangerous 2.1. Use Python's 'json' module instead.
  class JSONEncoder(_json.JSONEncoder):

venv/lib/python3.9/site-packages/flask/json/_init_.py:103
/home/kali/Flask/HM1/ase-assignment1-master/venv/lib/python3.9/site-packages/flask/json/_init_.py:103: DeprecationWarning: Importing 'itsdangerous.json' is deprecated and will be removed in ItsDangerous 2.1. Use Python's 'json' module instead.
  class JSONDecoder(_json.JSONDecoder):

venv/lib/python3.9/site-packages/flask/app.py:2459
/home/kali/Flask/HM1/ase-assignment1-master/venv/lib/python3.9/site-packages/flask/app.py:2459: PytestCollectionWarning: cannot collect 'tested_app' because it is not a function.
  def __call__(self, environ, start_response):

bedrock_a_party/tests/test_party.py: 11 warnings
/home/kali/Flask/HM1/ase-assignment1-master/venv/lib/python3.9/site-packages/flask/json/_init_.py:211: DeprecationWarning: Importing 'itsdangerous.json' is deprecated and will be removed in ItsDangerous 2.1. Use Python's 'json' module instead.
  rv = _json.dumps(obj, **kwargs)

-- Docs: https://docs.pytest.org/en/stable/warnings.html

----- coverage: platform linux, python 3.9.2-final-0 -----
Name                               Stmts   Miss Branch BrPart  Cover   Missing
bedrock_a_party/classes/party.py      64     10     10      2    84%   17, 31, 39-40, 86, 94, 99, 102, 107, 110
bedrock_a_party/views/parties.py      76     12     22      5    81%   21-23, 41-42, 52-54, 66-69, 75-76, 92-93, 115, 120-122
TOTAL                                191     22     32      7    86%

6 files skipped due to complete coverage.
Coverage HTML written to dir htmlcov

FAIL Required test coverage of 90% not reached. Total coverage: 86.10%
2 passed, 15 warnings in 0.60s
```

<https://github.com/TommasoLencioni/ase-21/tree/main/Assignments/ase-assignment1-master>