

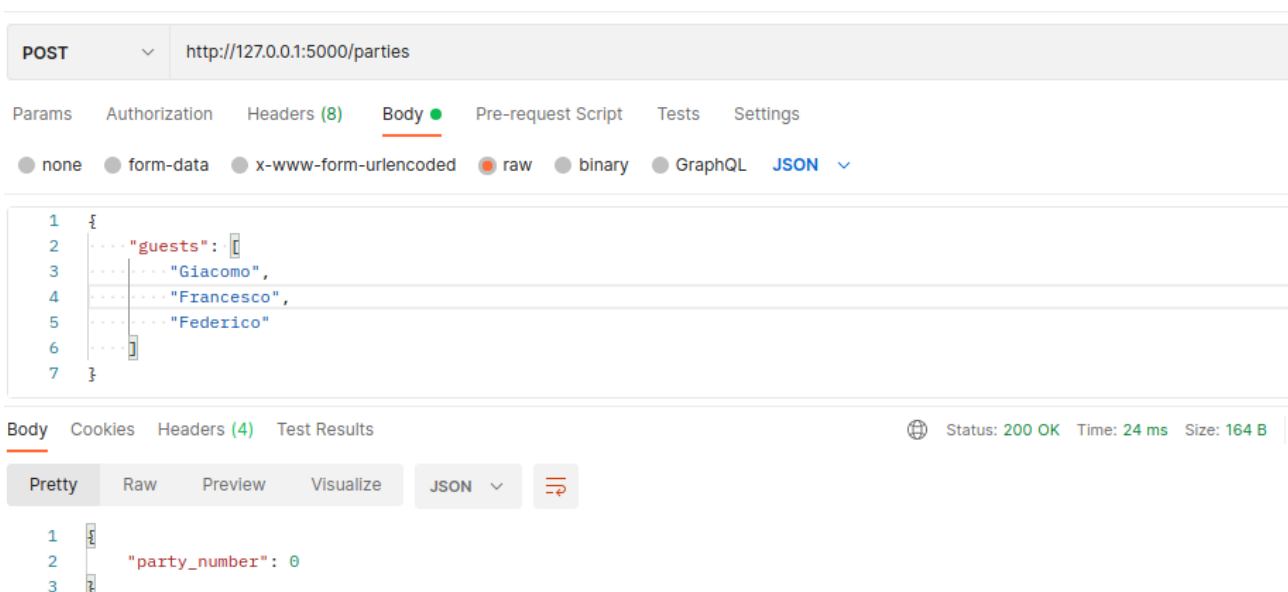
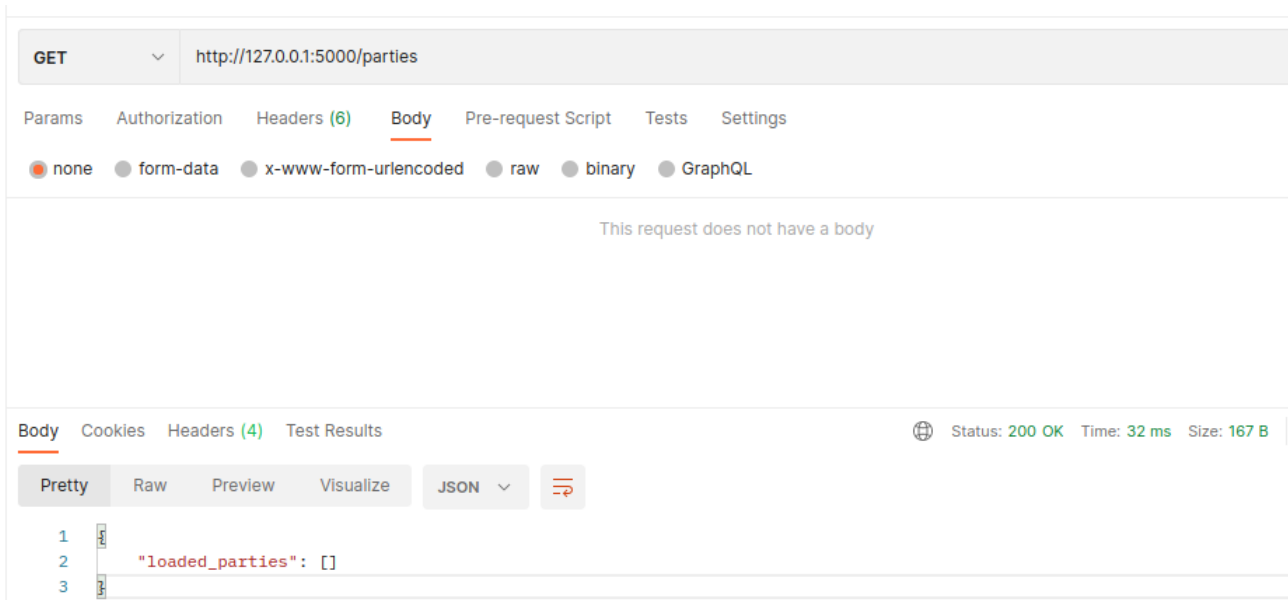
I followed the instruction given creating a virtual environment and installing required modules.

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

Postman screenshots contains even tests for non-pytested cases.

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).



POST

http://127.0.0.1:5000/parties

ParamsAuthorizationHeaders (8)BodyPre-request ScriptTestsSettings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

{

2

"guests": [

3

"Giacomo",

4

"Francesco",

5

"Federico"

6

]

7

}

BodyCookiesHeaders (4)Test Results

Status: 200 OKTime: 22 msSize: 164 B

PrettyRawPreviewVisualizeJSON

1

{

2

"party_number": 1

3

}

POST

http://127.0.0.1:5000/parties

ParamsAuthorizationHeaders (8)BodyPre-request ScriptTestsSettings

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

1

{

2

"guests": [

3

"Giacomo",

4

"Francesco",

5

"Federico"

6

]

7

}

BodyCookiesHeaders (4)Test Results

Status: 200 OKTime: 11 msSize: 164 B

PrettyRawPreviewVisualizeJSON

1

{

2

"party_number": 2

3

}

GET http://127.0.0.1:5000/parties

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

Body Cookies Headers (4) Test Results Status: 200 OK Time: 8 ms Size: 368 B

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       "Federico"
27     ],
28     "id": 2
29   }
30 ]
31
```

POST http://127.0.0.1:5000/parties

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

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

```
1
2  ... "guests": []
3
```

Body Cookies Headers (4) Test Results Status: 400 BAD REQUEST Time: 26 ms Size: 173 B

Pretty Raw Preview Visualize HTML

1 Empty party

loaded_parties:

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

GET http://127.0.0.1:5000/parties/loaded

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 Status: 200 OK Time: 13 ms Size: 166 B

Pretty Raw Preview Visualize JSON

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

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).

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

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 Status: 200 OK Time: 21 ms Size: 212 B

Pretty Raw Preview Visualize JSON

```
1 {
2   "foodlist": [],
3   "guests": [
4     "Giacomo",
5     "Francesco",
6     "Federico"
7   ],
8   "id": 2
9 }
```

GET ▼ http://127.0.0.1:5000/party/100 Send

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

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

This request does not have a body

Body Cookies Headers (4) Test Results 🌐 Status: 404 NOT FOUND Time: 16 ms Size: 451 B Save Respon

Pretty Raw Preview Visualize JSON ▼ ≡

```
1
2  "code": 404,
3  "description": "The requested URL was not found on the server. If you entered the URL manually please check your spelling and
4  "message": "404 Not Found: The requested URL was not found on the server. If you entered the URL manually please check your
5  spelling and try again."
```

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 🌐 Status: 200 OK Time: 17 ms Size: 156 B

Pretty Raw Preview Visualize HTML ▼ ≡

```
1 Done
```

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

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

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

This request does not have a body

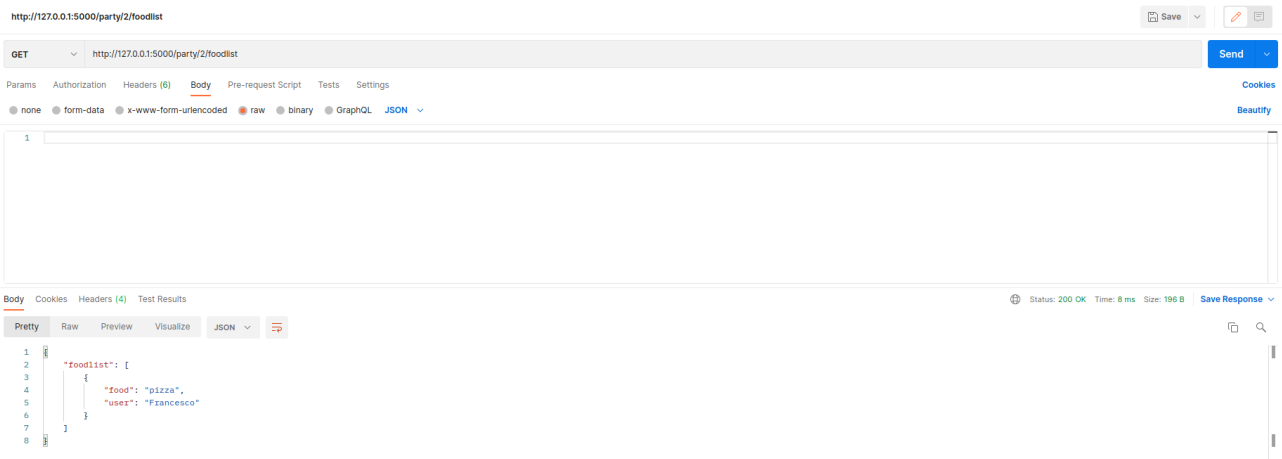
Body Cookies Headers (4) Test Results 🌐 Status: 410 GONE Time: 24 ms Size: 551 B Save Respon

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

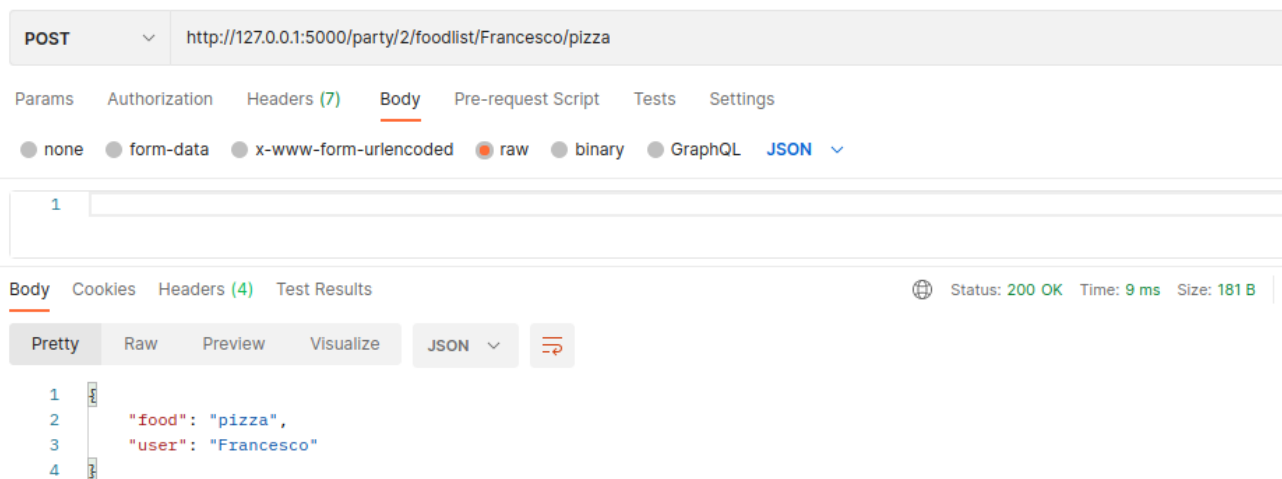
get_foodlist:

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



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



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: 400 BAD REQUEST Time: 20 ms Size: 195 B

Pretty Raw Preview Visualize HTML

1 Item already inserted by the user

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: 10 ms Size: 180 B S

Pretty Raw Preview Visualize HTML

1 Not invited guest

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: 20 ms Size: 169 B

Pretty Raw Preview Visualize JSON

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

DELETE
▼
http://127.0.0.1:5000/party/2/foodlist/Francesco/cola

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: 400 BAD REQUEST
Time: 19 ms
Size: 199 B

Pretty
Raw
Preview
Visualize
HTML ▼

1 Item inserted by the user not present

Both tests passed.

```

File Actions Edit View Help
(venv) (kali@kali): ~/Flask/MI/ase-assignment1-master
4 pytest
test session starts
platform linux -- Python 3.9.2, pytest-6.2.5, py-1.10.0, pluggy-1.0.0
rootdir: /home/kali/Flask/MI/ase-assignment1-master, configfile: setup.cfg, testpaths: bedrock_a_party/tests
plugins: cov-3.0.0
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/MI/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.
    _slash_escape = "\\" not in _json.dumps("/")

venv/lib/python3.9/site-packages/flask/json/___init___py:61
/home/kali/Flask/MI/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/MI/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/MI/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/MI/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      18      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, 68-69, 75-76, 92-93, 115, 120-122
TOTAL                                191      22      32      7    86%

8 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>