Homework 1

Advanced Software Engineering

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Tests passed!

```
(venv) davide@davide:~/Documents/skeleton$ pytest
============================= test session starts =============================
platform linux -- Python 3.9.5, pytest-6.2.5, py-1.10.0, pluggy-1.0.0
rootdir: /home/davide/Documents/skeleton, configfile: setup.cfg, testpaths: bedrock_a_party/tests
plugins: cov-3.0.0
collected 2 items

bedrock_a_party/tests/test_party.py ..                                   [100%]

============================== warnings summary ===============================
bedrock_a_party/venv/lib/python3.9/site-packages/flask/json/__init__.py:31
  /home/davide/Documents/skeleton/bedrock_a_party/venv/lib/python3.9/site-packages/flask/json/__init__.py:31: Deprecati
1. Use Python's 'json' module instead.
    _slash_escape = "\\/" not in _json.dumps("/")

bedrock_a_party/venv/lib/python3.9/site-packages/flask/json/__init__.py:61
  /home/davide/Documents/skeleton/bedrock_a_party/venv/lib/python3.9/site-packages/flask/json/__init__.py:61: Deprecati
1. Use Python's 'json' module instead.
    class JSONEncoder(_json.JSONEncoder):

bedrock_a_party/venv/lib/python3.9/site-packages/flask/json/__init__.py:103
  /home/davide/Documents/skeleton/bedrock_a_party/venv/lib/python3.9/site-packages/flask/json/__init__.py:103: Deprecat
.1. Use Python's 'json' module instead.
    class JSONDecoder(_json.JSONDecoder):

bedrock_a_party/venv/lib/python3.9/site-packages/flask/app.py:2459
  /home/davide/Documents/skeleton/bedrock_a_party/venv/lib/python3.9/site-packages/flask/app.py:2459: PytestCollectionW
    def __call__(self, environ, start_response):

bedrock_a_party/tests/test_party.py: 13 warnings
  /home/davide/Documents/skeleton/bedrock_a_party/venv/lib/python3.9/site-packages/flask/json/__init__.py:211: Deprecat
.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 3.9.5-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     72     10     22      5    82%   24->28, 51-54, 68->72, 92-93, 100-101, 118-119,
-------------------------------------------------------------------------------
TOTAL                               187     20     32      7    87%

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

FAIL Required test coverage of 98% not reached. Total coverage: 86.76%
========================= 2 passed, 17 warnings in 0.63s =========================
```
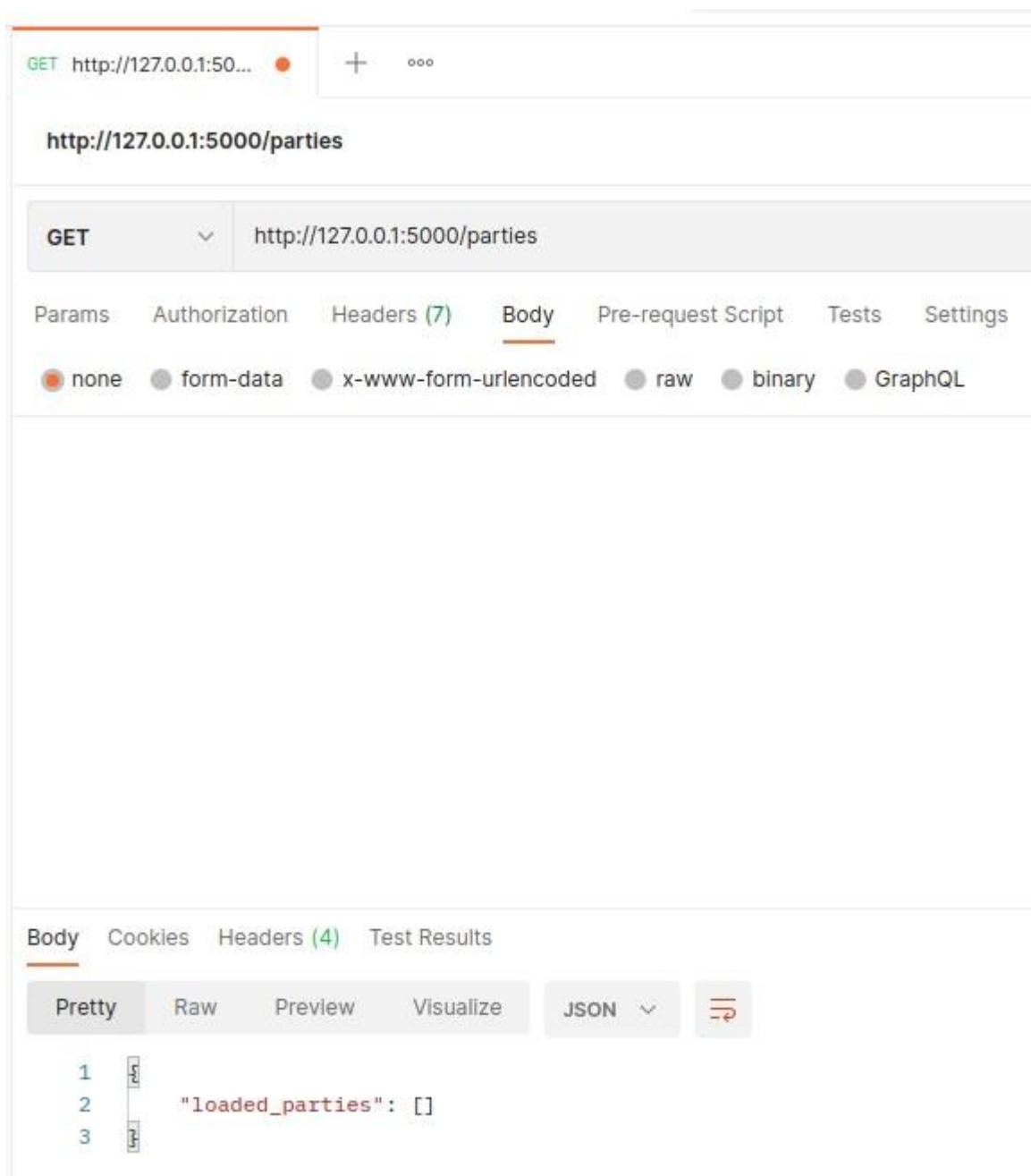
Postman

No loaded parties.

POST http://127.0.0.1:5... ● + ○○○

http://127.0.0.1:5000/parties

| POST | ∨ | http://127.0.0.1:5000/parties |

Params Authorization Headers (9) Body ● Pre-request Script Tests Settings

○ none ○ form-data ○ x-www-form-urlencoded ● raw ○ binary ○ GraphQL JSON ∨

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

Body Cookies Headers (4) Test Results

Pretty Raw Preview Visualize JSON ∨ ⇄

```json
1  {
2      "party_number": 0
3  }
```

Creates a new party and gets the party identifier back.

POST http://127.0.0.1:5... ● + ∘∘∘

http://127.0.0.1:5000/parties

POST	∨	http://127.0.0.1:5000/parties

Params   Authorization   Headers (9)   Body ●   Pre-request Script   Tests   Settings

○ 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

Pretty   Raw   Preview   Visualize   JSON ∨   ⇥

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

Creates a new party and gets the party identifier back.

POST http://127.0.0.1:5...   ●   +   ooo

http://127.0.0.1:5000/parties

| POST | ∨ | http://127.0.0.1:5000/parties |

Params   Authorization   Headers (9)   Body ●   Pre-request Script   Tests   Settings

○ 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

Pretty   Raw   Preview   Visualize   JSON ∨   ⇄

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

Creates a new party and gets the party identifier back.

GET http://127.0.0.1:50... ● | + ○○○

http://127.0.0.1:5000/parties

| GET | ∨ | http://127.0.0.1:5000/parties |

Params   Authorization   Headers (9)   Body ●   Pre-request Script   Tests   Settings

○ 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

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  }
```

Retrieves all scheduled parties.

```
GET  http://127.0.0.1:50...   •      +    ○○○

http://127.0.0.1:5000/parties/loaded

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

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

Pretty   Raw   Preview   Visualize   JSON ∨

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

Returns the number of parties currently loaded in the system.

GET http://127.0.0.1:50... ●   +   ∘∘∘

http://127.0.0.1:5000/party/1

GET ∨ http://127.0.0.1:5000/party/1

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

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

Body Cookies Headers (4) Test Results

Pretty   Raw   Preview   Visualize   JSON ∨   ⤶

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

Retrieves the party identified by <id>.

GET http://127.0.0.1:50...   +   ooo

http://127.0.0.1:5000/party/1/foodlist

| GET ∨ | http://127.0.0.1:5000/party/1/foodlist |

Params   Authorization   Headers (7)   **Body**   Pre-request Script   Tests   Settings
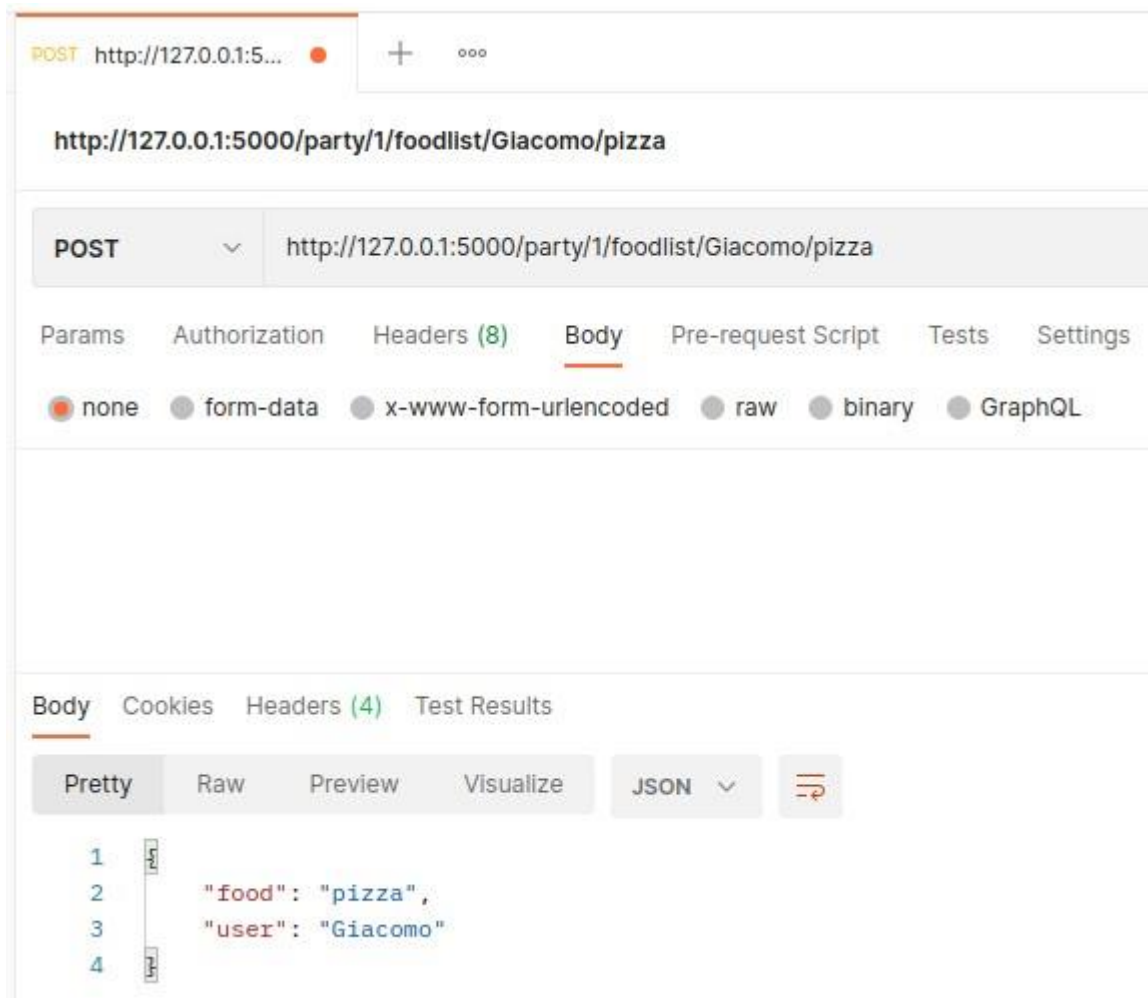
● none   ○ form-data   ○ x-www-form-urlencoded   ○ raw   ○ binary   ○ GraphQL

Body   Cookies   Headers (4)   Test Results

Pretty   Raw   Preview   Visualize   JSON ∨

```
1  {
2      "foodlist": []
3  }
```

Retrieves the current foodlist of the party identified by <id>.

POST http://127.0.0.1:5... ●   +   ০০০

http://127.0.0.1:5000/party/1/foodlist/Giacomo/pizza

POST   ∨   http://127.0.0.1:5000/party/1/foodlist/Giacomo/pizza

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

● none   ● form-data   ● x-www-form-urlencoded   ● raw   ● binary   ● GraphQL
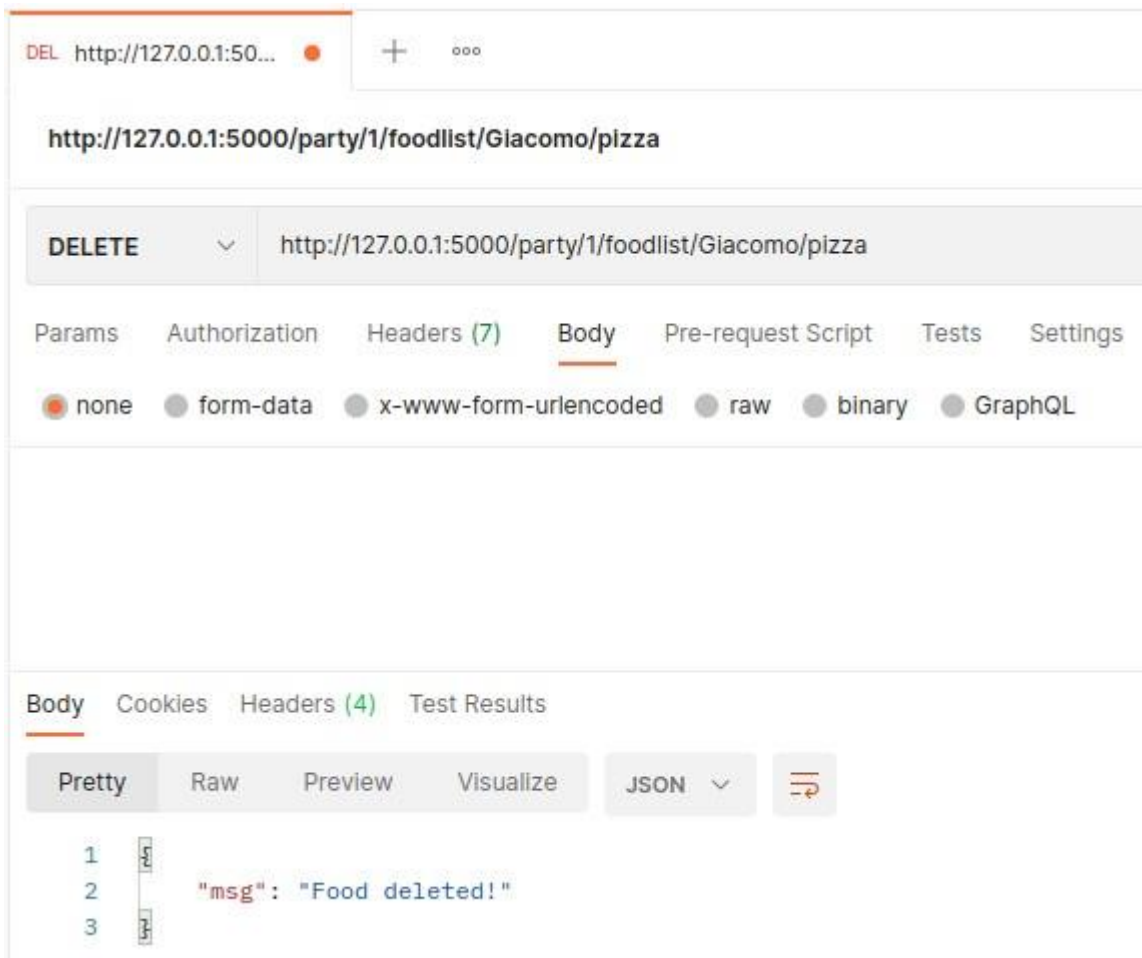
Body   Cookies   Headers (4)   Test Results

Pretty   Raw   Preview   Visualize   JSON ∨

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

Adds the <item> brought by <user> to the foodlist of the party <id>.

Removes the given <item> brought by <user> from the food-list of the party <id>.

GitHub repository

https://github.com/Squall907/ASE/tree/main/HW1