ASE Homework 1

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Project

The project code can be found at the following link:

https://github.com/Albertomac/ase-fall-18/tree/master/Homework_1

As shown in figure, it passed all tests of test_doodle.py python file.

```
Homework_1 — Homework_1 — -bash — 120×40
Last login: Thu Oct 11 16:36:10 on ttys001
~ $ cd Projects/ase-fall-18/Homework_1/
 ·/Projects/ase-fall-18/Homework_1 master $ pytest
platform darwin -- Python 3.7.0, pytest-3.8.2, py-1.6.0, pluggy-0.7.1 rootdir: /Users/albertomac/Projects/ase-fall-18/Homework_1, inifile:
myservice/tests/test_doodle.py ...
// usr/local/lib/python3.7/site-packages/werkzeug/datastructures.py:16: DeprecationWarning: Using or importing the ABCs fr om 'collections' instead of from 'collections.abc' is deprecated, and in 3.8 it will stop working from collections import Container, Iterable, MutableSet / usr/local/lib/python3.7/site-packages/werkzeug/datastructures.py:16: DeprecationWarning: Using or importing the ABCs fr om 'collections' instead of from 'collections.abc' is deprecated, and in 3.8 it will stop working
from collections import Container, Iterable, MutableSet
/usr/local/lib/python3.7/site-packages/werkzeug/datastructures.py:16: DeprecationWarning: Using or importing the ABCs fr
om 'collections' instead of from 'collections.abc' is deprecated, and in 3.8 it will stop working
    from collections import Container, Iterable, MutableSet
/usr/local/lib/python3.7/site-packages/jinja2/utils.py:485: DeprecationWarning: Using or importing the ABCs from 'collec
tions' instead of from 'collections.abc' is deprecated, and in 3.8 it will stop working
   from collections import MutableMapping
/usr/local/lib/python3.7/site-packages/markupsafe/_init__.py:13: DeprecationWarning: Using or importing the ABCs from 'collections' instead of from 'collections.abc' is deprecated, and in 3.8 it will stop working from collections import Mapping
/usr/local/lib/python3.7/site-packages/jsonschema/compat.py:6: DeprecationWarning: Using or importing the ABCs from 'col
   ections' instead of from 'collections.abc' is deprecated, and in 3.8 it will stop working
from collections import MutableMapping, Sequence # noqa
/usr/local/lib/python3.7/site-packages/flask/app.py:2305: PytestWarning: cannot collect 'tested_app' because it is not a
   def __call__(self, environ, start_response):

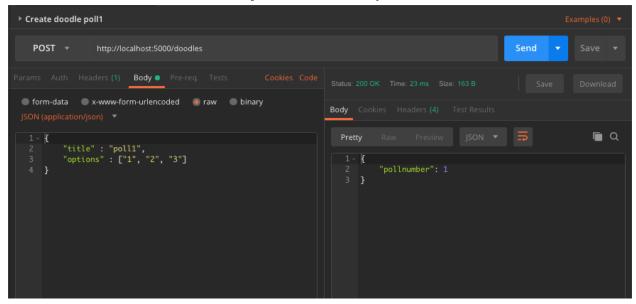
    Docs: https://docs.pytest.org/en/latest/warnings.html

                                                                          passed, 7 warnings in 0.31 seconds ====
  /Projects/ase-fall-18/Homework_1 master $
```

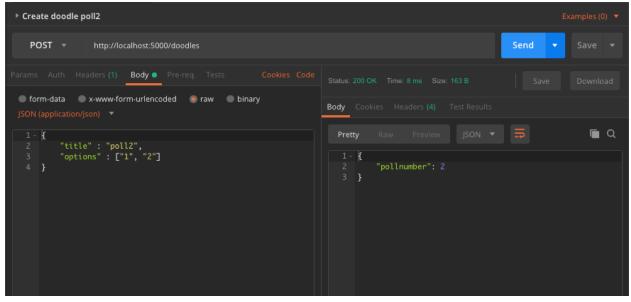
Test 1

Porting of all tests contained in test1 function to Postman application. These tests refer to the resource http://localhost:5000/doodles. The first 3 tests are in charge of creating distinct doodles. The 4th test checks if the previous doodles are stored properly in the server.

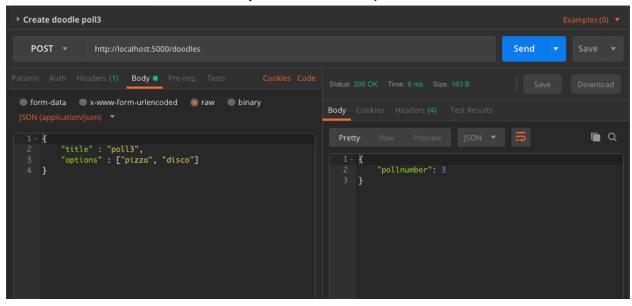
Request 1: Create doodle "pool1"



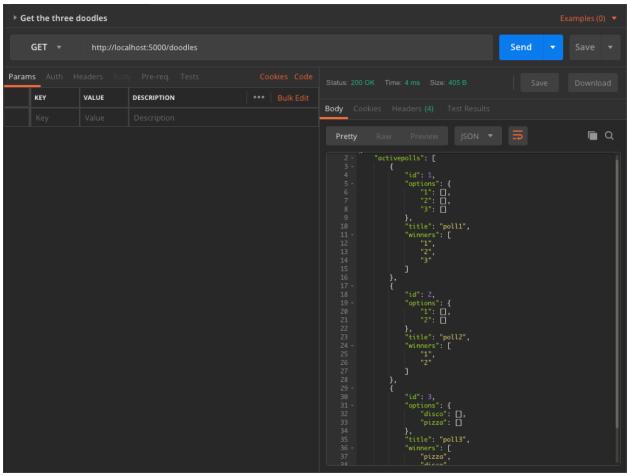
Request 2: Create doodle "pool2"



Request 3: Create doodle "pool3"



Request 4: Get the three doodles

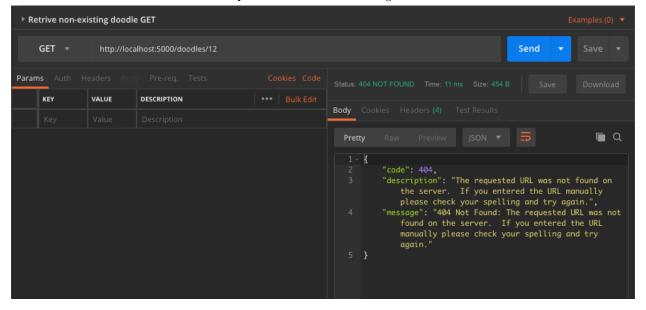


Test 2

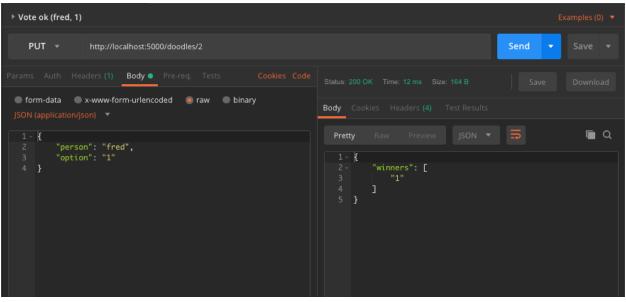
Porting of all tests contained in test2 function to Postman application. These tests refer to the resource http://localhost:5000/doodles/<id>. They test all possibile limit case for every defined HTTP methods (GET, PUT, DELETE).

Request 1: Retrive existing doodle

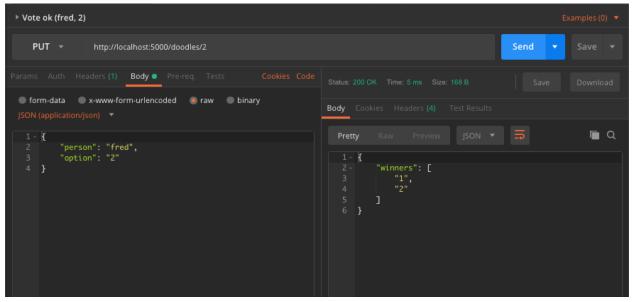
Request 2: Retrive NON-existing doodle



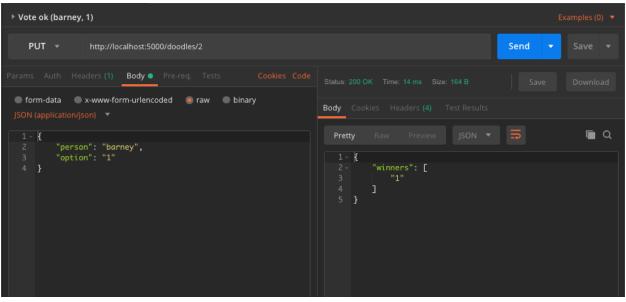
Request 3: Vote doodle 2 (fred, 1)



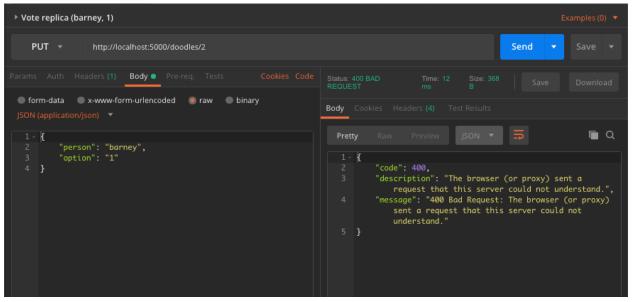
Request 4: Vote doodle 2 (fred, 2)



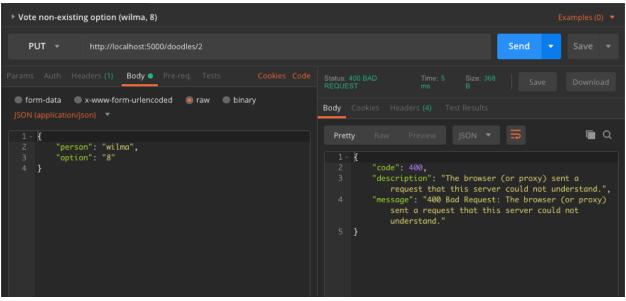
Request 5: Vote doodle 2 (barney, 1)



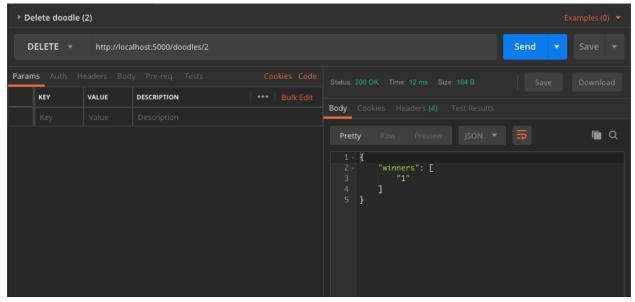
Request 6: Vote replica doodle 2 (barney, 1)



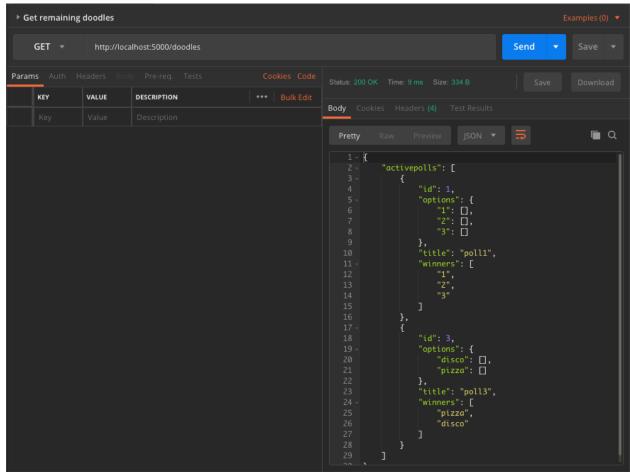
Request 7: Vote NON-existing option (wilma, 8)



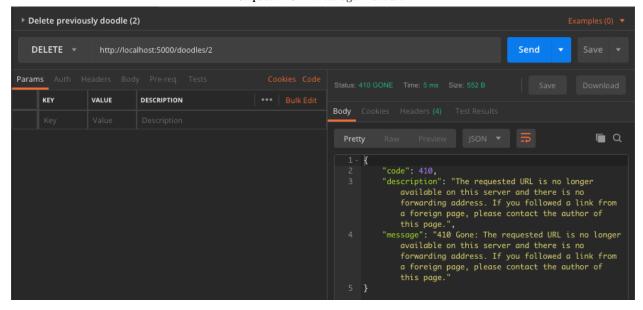
Request 8: Delete doodle 2



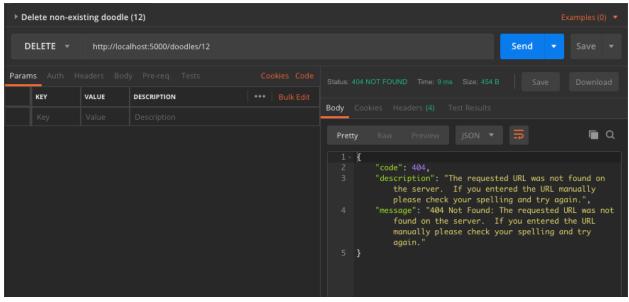
Request 9: Get remaining doodles



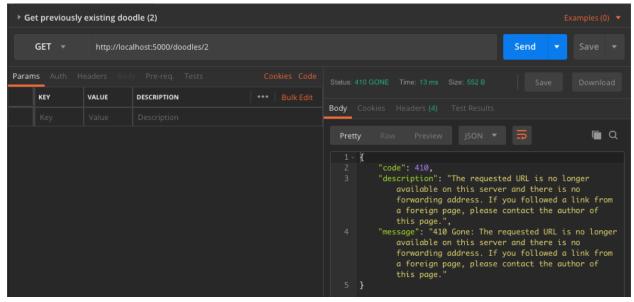
Request 10: Delete again doodle 2



Request 11: Delete NON-existing doodle 12



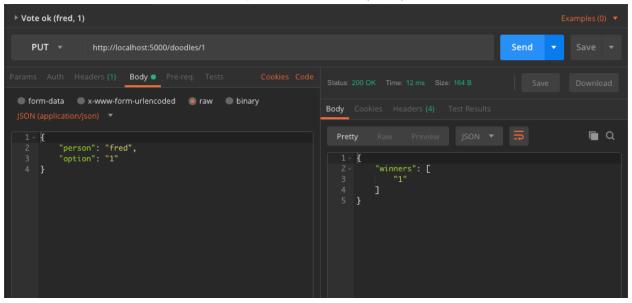
Request 12: Get previously existing doodle 2



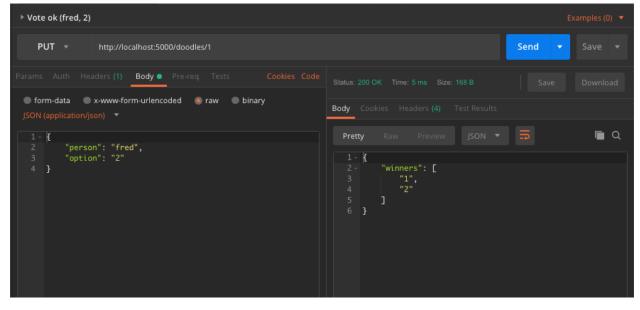
Test 3

Porting of all tests contained in test3 function to Postman application. These tests are related to the resource http://localhost:5000/doodles/<id>/<person>. They test all possibile limit case of GET and DELETE HTTP methods.

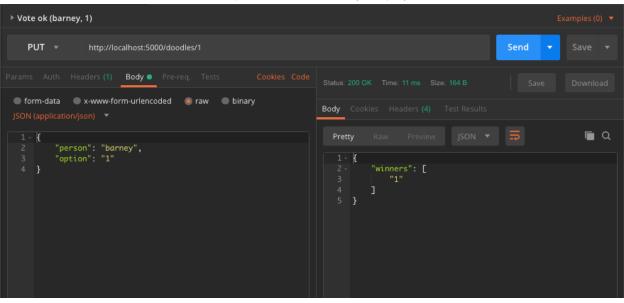
Request 1: Vote doodle 1 (fred, 1)



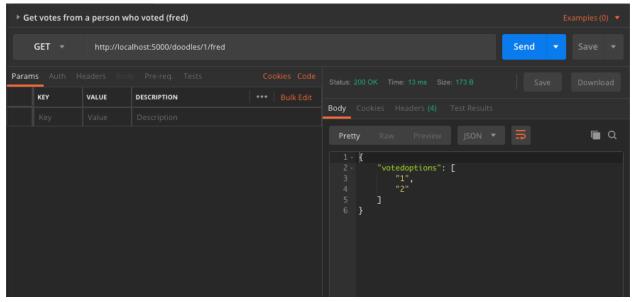
Request 2: Vote doodle 1 (fred, 2)



Request 3: Vote doodle 1 (barney, 1)



Request 4: Get votes from a person who voted (fred)



Farams Auth Headers Body Pre-req. Tests

Cookies Code

KEY

VALUE

DESCRIPTION

*** Bulk Edit

Body

Cookies Headers (4)

Fretty Raw

Preview

JSON

Preview

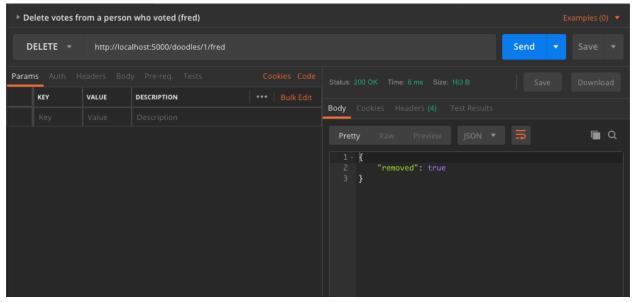
JSON

Test Results

Votedoptions:

Request 5: Get votes from a person who did NOT vote (wilma)

Request 6: Delete votes from a person who voted (fred)



Farams Auth Headers Body Pre-req. Tests

Cookies Code

KEY

VALUE

DESCRIPTION

*** Bulk Edit

Body

Cookies Headers (4)

Test Results

Pretty Raw Preview

JSON

Pretty Raw Preview

Send

Save

Download

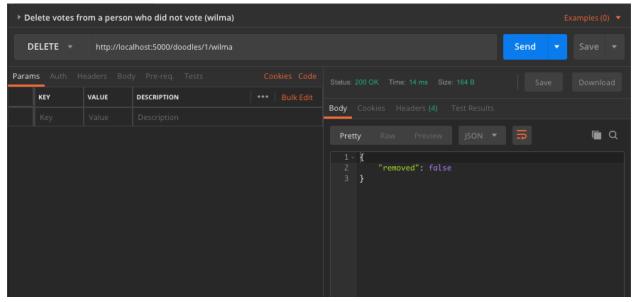
Pretty Raw Preview

Son

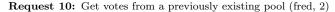
Votedoptions**:

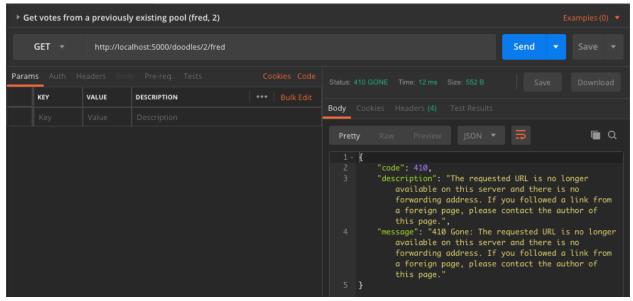
Request 7: Get votes from previously deleted doodle (fred, 1)

Request 8: Delete votes from a person who did NOT vote (wilma, 1)



Request 9: Get votes from a NON existing pool (fred, 13)

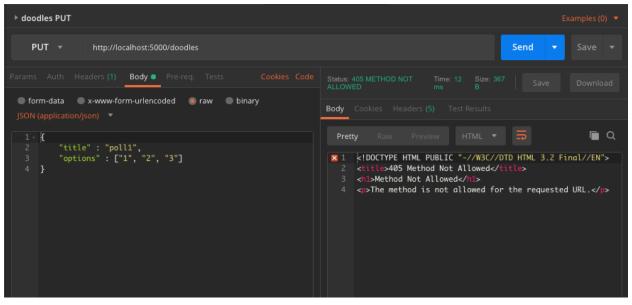




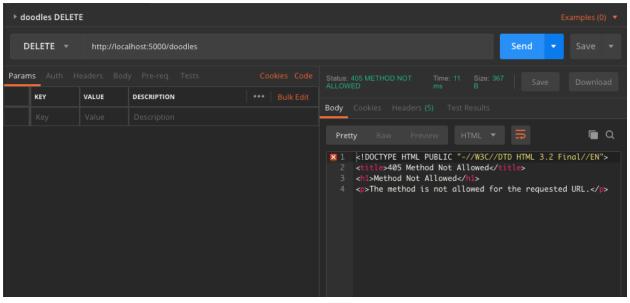
More Tests

The following tests show that all resource reply with "405 METHOD NOT ALLOWED" if someone tries to use an $HTTP\ method$ not allowed by a resource.

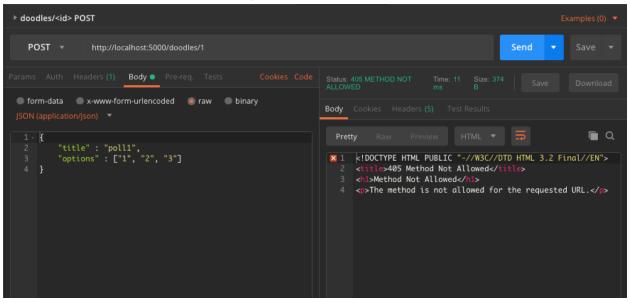
Request 1: PUT /doodles



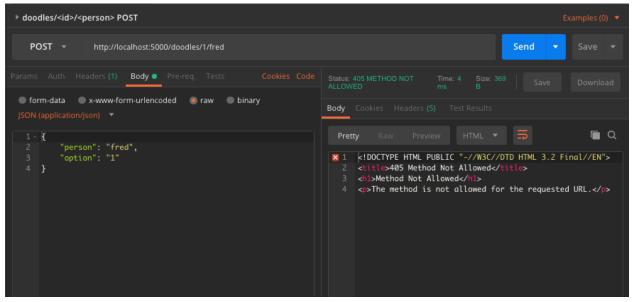
Request 2: DELETE /doodles



Request 3: POST /doodles/<id>



Request 4: POST /doodles/<id>/<person>



Request 5: PUT /doodles/<id>/<person>