

Created a new app route for deleting a counter

```
@app.route('/counters/<name>', methods=["DELETE"])
def delete_counter(name):
    app.logger.info(f"Request to delete counter {name}")

    global COUNTERS
    if name not in COUNTERS:
        return {"Message": f"Counter {name} does not exist."}, status.HTTP_404_NOT_FOUND

    COUNTERS.pop(name)

    return {}, status.HTTP_200_OK
```

This route will ensure that the counter it is trying to delete actually exists first. Then it will remove the counter by name.

```
def test_delete_counter(self, client):
    result = client.delete('/counters/nothingHere')
    assert result.status_code == status.HTTP_404_NOT_FOUND

    result = client.post('/counters/testCounter')
    assert result.status_code == status.HTTP_201_CREATED

    result = client.delete('/counters/testCounter')
    assert result.status_code == status.HTTP_200_OK

    result = client.get('/counters/testCounter')
    assert result.status_code == status.HTTP_404_NOT_FOUND
```

Then the test will simply attempt to delete a newly created counter. First, the check for deleting only available counters is done, followed by the actual create of a counter then it's delete.

```

1  ▶ Run pytest -v --tb=short --color=yes --cov=src --cov-report=term-missing
4  ===== test session starts =====
5  platform linux -- Python 3.9.20, pytest-8.3.3, pluggy-1.5.0 -- /usr/local/bin/python3
6  cachedir: .pytest_cache
7  rootdir: /__w/CS472TeamsRepo/CS472TeamsRepo/lab2/TDD
8  configfile: pytest.ini
9  plugins: cov-5.0.0
10 collecting ... collected 4 items
11
12 tests/test_counter.py::TestCounterEndpoints::test_create_a_counter PASSED [ 25%]
13 tests/test_counter.py::TestCounterEndpoints::test_update_a_counter PASSED [ 50%]
14 tests/test_counter.py::TestCounterEndpoints::test_retrieve_counter PASSED [ 75%]
15 tests/test_counter.py::TestCounterEndpoints::test_delete_counter PASSED [100%]
16
17 ----- coverage: platform linux, python 3.9.20-final-0 -----
18 Name                Stmts   Miss  Cover   Missing
19 -----
20 src/__init__.py         0      0  100%
21 src/counter.py         31      0  100%
22 src/status.py           6      0  100%
23 -----
24 TOTAL                  37      0  100%
25
26
27 ===== 4 passed in 0.21s =====

```

Unfortunately, pytest is broken on my computer after an Ubuntu update... Provided github workflow screenshot instead.