Cheatography

Pytest-ing Cheat Sheet

by amicheletti via cheatography.com/39488/cs/12308/

Pytest and coverage Tool

`py.test <fi les>`	Run py.test tool
`--maxf ail=X`	Exit after failing X tests
`--dura tio ns=10`	Use this to Profile your tests (time taken)
`--cov=path`	Run `coverage` within the project `path`
`--cov- report term-m issi ng`	Add this to show which lines were not covered

Packages to install:

```
pip install pytest
pip install pytest -sugar
pip install pytest-cov
```

Pytest with Flask

`client = app.te st_ cli en t()`	Gives you an `Test Client` object
`client.ge t(url)`	Makes a GET request
`client.po st(url, data=[])`	Makes a POST request
`client.pu t(url, data=[])`	Makes a PUT request

You can create a test client to test your Flask app

Coverage Configuration File

`.cover agerc`	Default filename looked for
`[report]`	Section defining the report
`exclud e_lines =`	Exclude lines defined after

http://coverage.readthedocs.io/en/latest/config.html

Write after `exclud e_lines =` the lines as they are in Python code

Fixture

`@pytes t.f ixt ure()`	Fixture decorator
`scope= " ses sio n"`	Scope for the fixture: Can be `sess ion`, `module`, `class` or `functio n`
`params=[]`	For each value, the fixture will be called with that value (this makes multiple calls)
`autous e=False`	All tests in the session use the fixture automatically
`def my_fix tur e(r eque st)`	Putting `request` object in fixture gives you access to the `pytest request` (e.g. put a `finalizer`)
`pytest --fixtures`	See all available fixtures

The purpose of test fixtures is to provide a fixed baseline upon which tests can reliably and repeatedly execute.

pytest-mock

In short, mocking is creating objects that simulate the behaviour of real objects.

By **amicheletti**
cheatography.com/amicheletti/

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Page 1 of 1.

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