

Pytest-ing Cheat Sheet

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

Pytest and coverage Tool	
py.test <fi les=""></fi>	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	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	
<pre>client = app.te st_ cli en t()</pre>	Gives you an Test Client object
client.ge t(url)	Makes a GET request
<pre>client.po st(url, data=[])</pre>	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.jo/en/latest/config.html	

Write after <code>exclud e_lines = the lines</code> as they are in Python code

Fixture	
<pre>@pytes t.f ixt ure()</pre>	Fixture decorator
scope= " ses sio n"	Scope for the fixture: Can be sess ion, module, class or function
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
<pre>def my_fix tur e(r eque st)</pre>	Putting request object in fixture gives you access to the pytest request (e.g. put a finalizer)
pytestfixtures	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.



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