
Storm Cloud Development

**Project CM
Testing**

Version 1.0

Project CM	Version: 1.0
Testing	Date: 07/May/2014

Revision History

Date	Version	Description	Author
07/May/2014	1.0	Initial test logs	Storm Cloud Development

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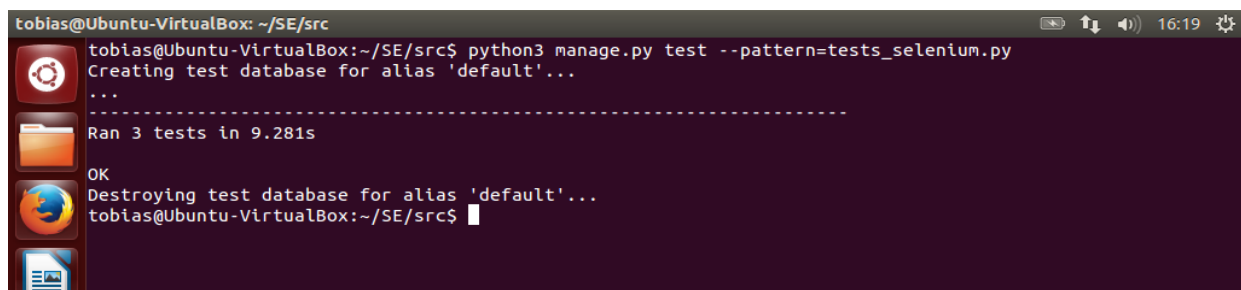
1. BDD – Test Cases

1.1 Brief Description

As there is no Cucumber like framework compatible with Python 3.4, we use Selenium for functional testing. Selenium is also a behavior driven testing framework and uses the default internet browser to simulate real user interaction.

1.2 Use Cases

We test the use cases “login”, “create new entry in address book” and “logout”. As they are all in the same test class, there is only one log for all of those cases. The test code can be found on github: https://github.com/tobias-engelmann/ProjectCM/blob/master/src/adressbook/tests_selenium.py



```
tobias@Ubuntu-VirtualBox: ~/SE/src
tobias@Ubuntu-VirtualBox:~/SE/src$ python3 manage.py test --pattern=tests_selenium.py
Creating test database for alias 'default'...
...
Ran 3 tests in 9.281s
OK
Destroying test database for alias 'default'...
tobias@Ubuntu-VirtualBox:~/SE/src$
```

In the picture you can see the call of the selenium test in the first line. Then the test is set up and executed afterwards. The result shows, that all three tests run through green.

2. Test Coverage

We use coveralls.io to track our testcoverage. Our actual test coverage is at **83.74%** and can be found here: <https://coveralls.io/r/tobias-engelmann/ProjectCM>

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3. Test log file

We use travis-ci.org for our continuous integration and checking that our unit tests run green.

You can find our newest test built at <https://travis-ci.org/tobias-engelmann/ProjectCM>

The unit test which are run can be found here: https://github.com/tobias-engelmann/ProjectCM/blob/master/src/adressbook/tests_unit.py

The recent built (built number 41) run through green as you can see here:

Job	43.1	Commit	7d6753a (master)
State	Passed	Compare	8c9d8c0d9771...7d6753af8967
Finished	28 minutes ago	Author	Tobias
Duration	1 min 2 sec	Committer	Tobias
Message	Deleted last behave files		

```

1 Using worker: worker-linux-4-2.bb.travis-ci.org:travis-linux-5
2
3 Applying updates
4 $ git clone --depth=50 --branch=master git://github.com/tobias-engelmann/ProjectCM.git tobias-engelmann/ProjectCM
13 $ cd tobias-engelmann/ProjectCM
14 $ git checkout -qf 7d6753af8967a4e11b58352f4784d14f01f91a5f
15 $ source ~/virtualenv/python3.2/bin/activate
16 $ python --version
17 Python 3.2.5
18 $ pip --version
19 pip 1.5.4 from /home/travis/virtualenv/python3.2.5/lib/python3.2/site-packages (python 3.2)
20 $ pip install django
26 $ pip install south
32 $ pip install coveralls
181 $ cd src/
182 $ coverage run --rcfile=../.coveragerc --source='.' manage.py test --pattern=tests_unit.py
183 Creating test database for alias 'default'...
184 .....
185 -----
186 Ran 11 tests in 2.234s
187
188 OK
189 Destroying test database for alias 'default'...
190
191 The command "coverage run --rcfile=../.coveragerc --source='.' manage.py test --pattern=tests_unit.py" exited with 0.
192 $ coveralls
197 Done. Your build exited with 0.

```