

Putting It All Together

Our whole package, for reference, looks like this:

```
funniest/  
  funniest/  
    __init__.py  
    command_line.py  
    tests/  
      __init__.py  
      test_joke.py  
      test_command_line.py  
  MANIFEST.in  
  README.rst  
  setup.py  
  .gitignore
```

Here is the contents of each file:

funniest/__init__.py

```
from markdown import markdown  
  
def joke():  
    return markdown(u'Wenn ist das Nunst\u00f6cck git und Slotermeyer?'  
                    u'Ja! ... **Beiherhund** das Oder die Flipperwaldt '  
                    u'gersput.')
```

funniest/command_line.py

```
from . import joke  
  
def main():  
    print joke()
```

funniest/tests/__init__.py

(empty)

funniest/tests/test_joke.py

```
from unittest import TestCase

import funniest

class TestJoke(TestCase):
    def test_is_string(self):
        s = funniest.joke()
        self.assertTrue(isinstance(s, basestring))
```

funniest/tests/test_command_line.py

```
from unittest import TestCase

from funniest.command_line import main

class TestCmd(TestCase):
    def test_basic(self):
        main()
```

MANIFEST.in

```
include README.rst
```

README.rst

setup.py

```

from setuptools import setup

def readme():
    with open('README.rst') as f:
        return f.read()

setup(name='funniest',
      version='0.1',
      description='The funniest joke in the world',
      long_description=readme(),
      classifiers=[
          'Development Status :: 3 - Alpha',
          'License :: OSI Approved :: MIT License',
          'Programming Language :: Python :: 2.7',
          'Topic :: Text Processing :: Linguistic',
      ],
      keywords='funniest joke comedy flying circus',
      url='http://github.com/storborg/funniest',
      author='Flying Circus',
      author_email='flyingcircus@example.com',
      license='MIT',
      packages=['funniest'],
      install_requires=[
          'markdown',
      ],
      test_suite='nose.collector',
      tests_require=['nose', 'nose-cover3'],
      entry_points={
          'console_scripts': ['funniest-joke=funniest.command_line:main'],
      },
      include_package_data=True,
      zip_safe=False)

```

.gitignore

```

# Compiled python modules.
*.pyc

# Setuptools distribution folder.
/dist/

# Python egg metadata, regenerated from source files by setuptools.
/*.egg-info
/*.egg

```