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# **Factory Boy Rest Documentation**

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A REST test fixtures replacement for Python.

This is intended to be used on functional tests, to create REST-based entities through the same [Factories](#) interface provided by [Factory Boy](#)

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**Install**

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## 1.1 Install via pip

You can always install the project using `pip`

```
pip install factory-rest
```

## 1.2 Basic Github checkout

If you want to download the latest development version, you can get it by cloning the git repository and use the classic `setuptools` installation:

```
git clone https://github.com/bertonha/factory-boy-rest.git
cd factory-boy-rest
python setup.py install
```



## 2.1 Defining factories

```
python
from urllib.parse import urljoin

import requests

from factory import fuzzy
from factory_rest import RestFactory

base_url = 'http://127.0.0.1:8000'

class UserFactory(RestFactory):
    class Meta:
        create_url = urljoin(base_url, '/v1/users/')
        create_method = 'post'
        request_session = requests.session()

        first_name = 'John'
        last_name = 'Doe'
        admin = False

class UserFactory(RestFactory):
    class Meta:
        create_url = urljoin(base_url, '/v1/users/')
        create_method = 'post'
        request_session = requests.session()

        first_name = 'Admin'
        last_name = 'User'
        admin = True
```



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## Contributing

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### 3.1 Development Installation

Create a virtualenv:

```
mkproject --python=<fullpath_to_python_3> factory-boy-rest
```

Get the code:

```
git clone https://github.com/bertonha/factory-boy-rest.git .
```

Install it:

```
python setup.py develop
```

The last command enter your code in “Development Mode” it creates an egg-link in your virtualenv’s site-packages making it available on this environment `sys.path`. For more info see [setuptools development mode](#)

### 3.2 Development and test dependencies

`setup.py` will handle test dependencies, to install development use:

```
pip install -e .[dev]
```

### 3.3 Tests

You have many forms to run tests.

The following command will handle test dependencies installation. Perfect for first run.

```
python setup.py test
```

Don’t forget to run the test suite against all python versions before submit a pull request. It’s ease just do:

```
tox
```

If you want to run only for Python3 you can do:

```
tox -e py34
```

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## Indices and tables

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- `genindex`
- `modindex`
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