Django

Setup virtual env

virtualenv -p /usr/bin/python2.7 env


```
projects
├─hello
│    ├── env
```
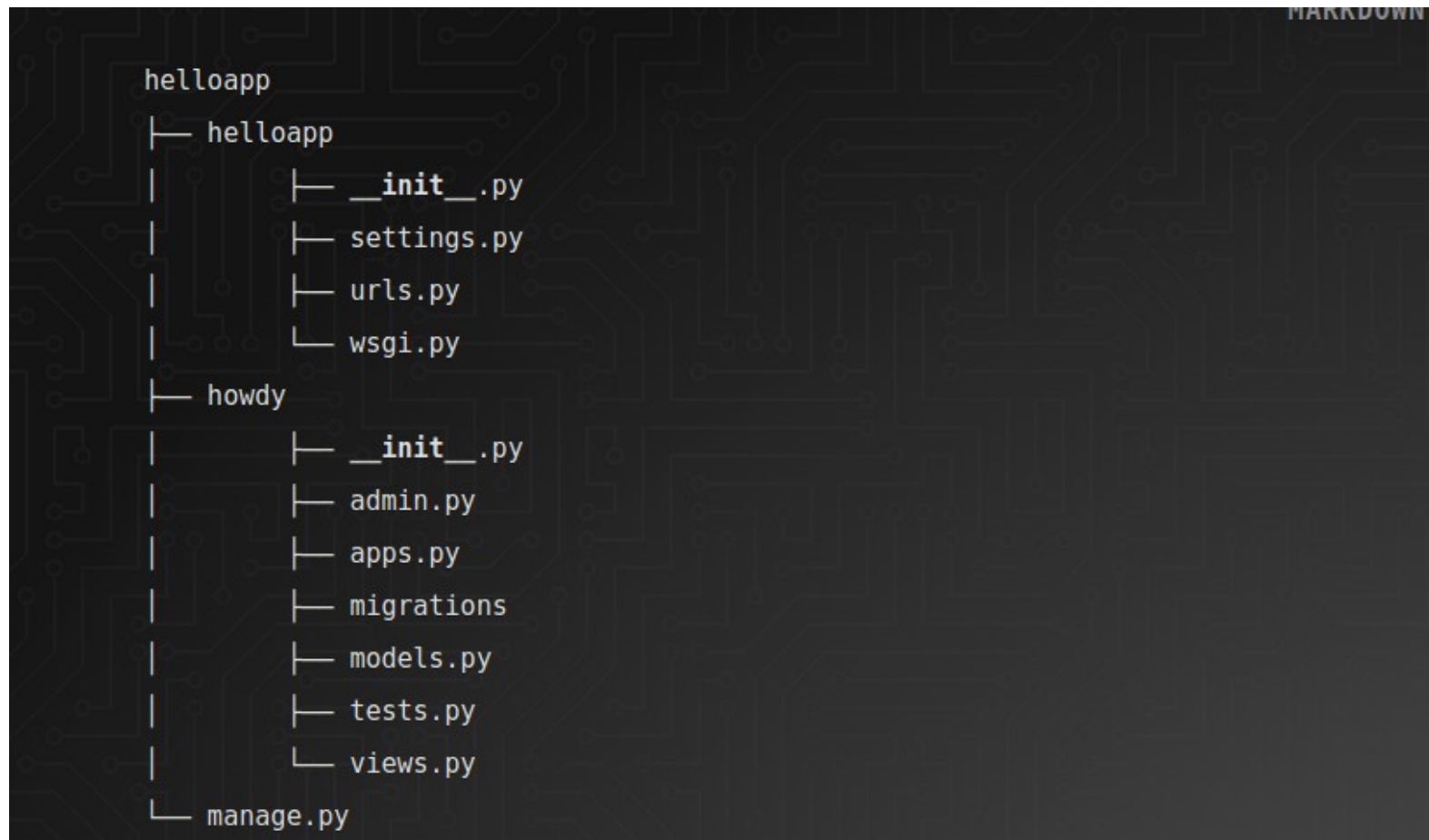
source env/bin/activate

To check setup

- python -m pip install "django<2"
- Django-admin - -version
- django-admin startproject helloapp

```
helloapp
├─helloapp
│       ├── __init__.py
│       ├── settings.py
│       ├── urls.py
│       └── wsgi.py
└── manage.py
```

Creating your own app

```
python manage.py startapp howdy
```

```python
# helloapp/settings.py
INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'howdy'
]
```

Run the App

```
python manage.py runserver

python manage.py migrate
```

Urls & Templates

- Open up the urls.py file inside the inner helloapp folder

```
# helloapp/urls.py
from django.conf.urls import url, include
from django.contrib import admin

urlpatterns = [
    url(r'^admin/', admin.site.urls),
    url(r'^', include('howdy.urls')),
]
```

- Go to the howdy app folder and create a file called urls.py

```
# howdy/urls.py
from django.conf.urls import url
from howdy import views

urlpatterns = [
    url(r'^$', views.HomePageView.as_view()),
]
```

Views.py

```python
# howdy/views.py
from django.shortcuts import render
from django.views.generic import TemplateView


# Create your views here.
class HomePageView(TemplateView):
    def get(self, request, **kwargs):
        return render(request, 'index.html', context=None)
```

Templates

- create templates folder in your howdy app folder.

- Create index.html

- Create about.html

- Change in urls.py

- url(r'^about/
  $',views.AboutPageView.as_view()),

View.py

```python
class AboutPageView(TemplateView):
    template_name = "about.html"
```