

Models

Welcome, we will be using models to create a simple schema for blog.

Blog Project

Let's begin by creating a new django project -

```
$ mkdir blog
$ cd blog
$ pipenv install django
$ pipenv shell
$ django-admin startproject blog_project .
```

Let's also create a 'blog' app -

```
$ python manage.py startapp blog
```

Add the 'blog' app in our settings

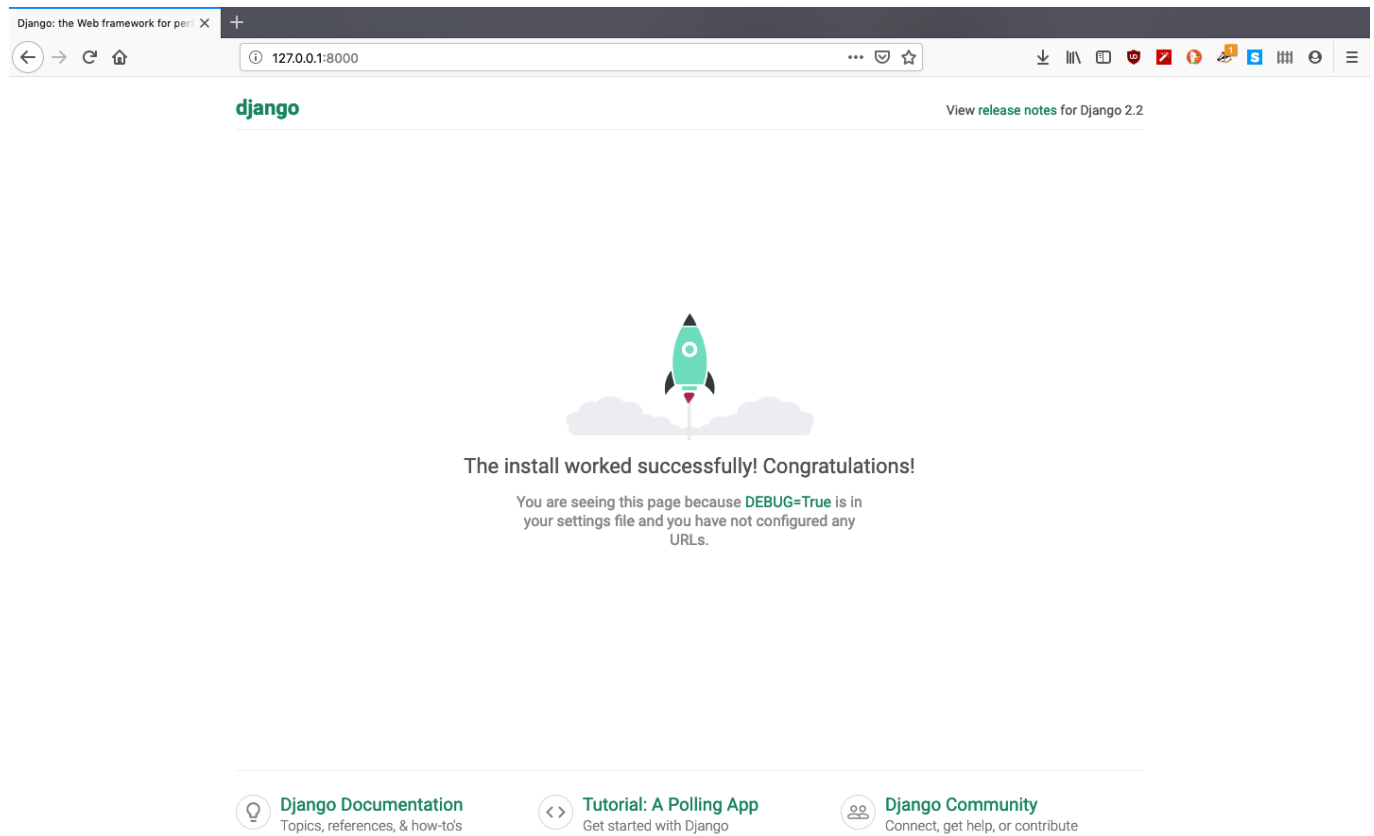
```
INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'blog.apps.BlogConfig' # new
]
```

Note, we can also add the app by using the detailed configuration.

Now migrate our database and run the development server -

```
$ python manage.py migrate
$ python manage.py runserver
```

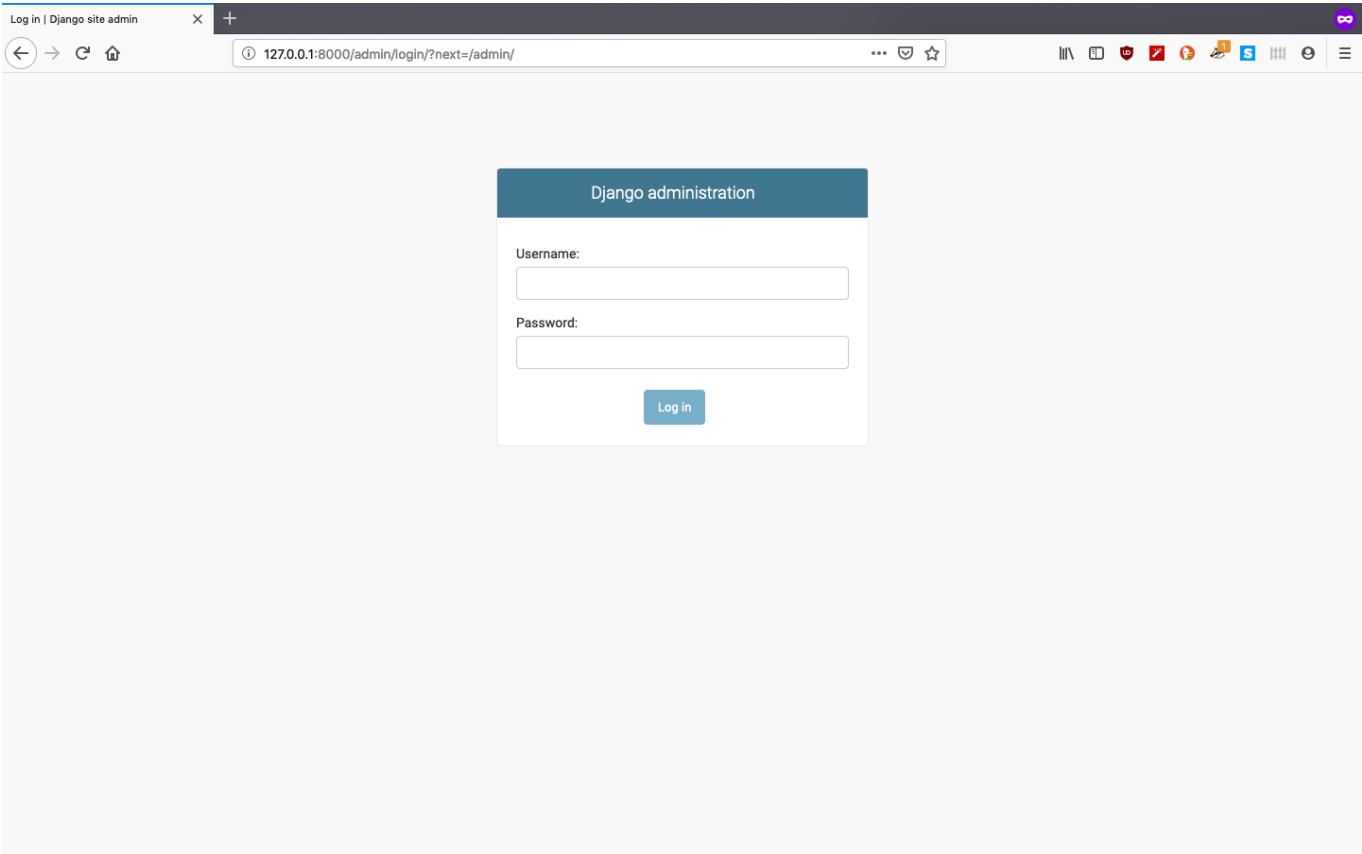
You should see the default page



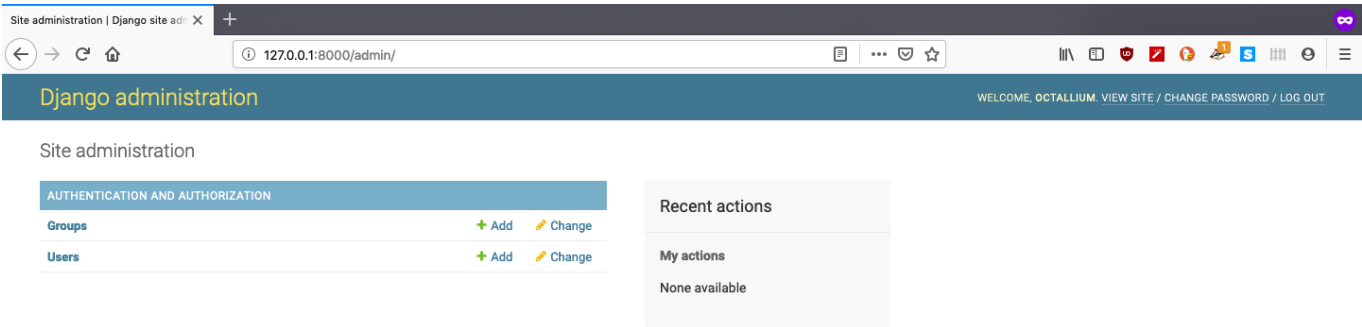
Create super user and log in -

```
$ python manage.py createsuperuser
```

Navigate to `http://127.0.0.1:8000/admin/` , you should see the following page



Enter your credentials and log in



Create Models

Navigate inside 'blog' app folder

```
blog/models.py
```

We create a simple schema for entering blog title and body

```
from django.db import models

from django.shortcuts import reverse

class Post(models.Model):
    title = models.CharField(max_length=250)
    body = models.TextField()

    def __str__(self):
        return self.title
```

We need to create migrations for 'blog'

```
$ python manage.py makemigrations blog
```

```
Migrations for 'blog':
  blog/migrations/0001_initial.py
    - Create model Post
```

```
$ python manage.py migrate
```

```
Operations to perform:
  Apply all migrations: admin, auth, blog, contenttypes, sessions
Running migrations:
  Applying blog.0001_initial... OK
```

You have successfully created and migrated your first model!