

Django Blog Quick Guide:

Setup

Create Directory

```
$ mkdir django && cd django
```

VirtualEnv

```
$ python -m venv .dvenv && source .dvenv/bin/activate
```

Install Django

```
$pip install django  
$pip install django-ckeditor  
$django-admin startproject myproject .  
$django-admin startapp blog
```

myproject/settings.py

```
-add 'blog' installed apps in  
-add 'ckeditor' to apps  
-add STATIC_ROOT = os.path.join(BASE_DIR, 'static')
```

Database

blog/models.py

```
from django.db import models  
from datetime import date  
from ckeditor.fields import RichTextField  
  
class Post(models.Model):  
    id = models.AutoField(primary_key=True)  
    title = models.CharField(max_length=100)  
    created_date = models.DateField(  
        default=date.today)  
    text = RichTextField()  
  
    def __str__(self):  
        return self.title
```

blog/admin.py

```
from django.contrib import admin  
from .models import Post  
  
admin.site.register(Post)
```

make migrations and such

```
$python manage.py makemigrations  
$python manage.py migrate  
$python manage.py createsuperuser  
$python manage.py collectstatic
```

Urls

myproject/urls.py

```
from django.conf.urls import url, include
from django.contrib import admin

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

make new file blog/urls.py

```
from django.conf.urls import url
from . import views

urlpatterns = [
    url(r'^$', views.base, name='base'),
]
```

Views

Edit blog/views.py

```
from django.shortcuts import render
from .models import Post

def base(request):
    posts = Post.objects.order_by("id").reverse()
    return render(request, 'blog/posts.html', {'posts': posts})
```

Templates

Make templates dir

```
$mkdir blog/templates/blog
$mkdir blog/static/blog/css
```

create and edit templates/blog/posts.html

```
{% extends 'blog/base.html' %}

{% block content %}
    {% for post in posts %}
        <div class="post">

            <h1><a href="">{{ post.title }}</a></h1>
            {{ post.created_date }}
            <p>{{ post.text|safe }}</p>
        </div>
    {% endfor %}
{% endblock %}
```

Create and edit static/blog/css/base.html

```
{% load staticfiles %}
<html>
  <head>
    <title>#erg</title>
    <link rel="stylesheet" href="{% static 'css/style.css' %}">
  </head>
  <body>
    <div class=header>
      <h1>#erg</h1>
    </div>

    {% block content %}
    {% endblock %}
```

Create and Edit style.css

```
*{
  margin:0;
}

h1 {
  color: red;
}

div.header{
  width:100%;
  height:100px;
  background-color: black;
}

div.post{
  margin-left: 80px;
}
```

Here is the file tree * edited ones only* to save page space

```
djagno-
| -manage.py
|
| -myproject
|   |
|   | -settings.py
|   | -urls.py
|
| -blog
|   |
|   | -static
|   |   | -css
|   |   | -style.css
|   |
|   | -templates
|   |   | -blog
|   |   |   | -base.html
|   |   |   | -posts.html
|   |
|   | -admin.py
|   | -models.py
|   | -urls.py
|   | -views.py
```

After Notes

run server

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

Add posts

```
127.0.0.1:8000/admin
```

- login with createsuperuser credentials
- you can add posts from here
- ckeditor makes for easy richtext formatting and image links