**Django is a free web framework written in python. It's very to use!**

**Let's create a blog in less then 10min!**

**1. First create a project**

django-admin.py startproject blog

**Switch to folder "blog"**

**Start the dev server**

Python manage runserver 8000

**Type: http://127.0.0.1:8000 in browser**



**2. Create a file "models.py"**

**Create a model**

from django.db import models

class Blog(models.Model):

title = models.CharField(max\_length=32)

date = models.DateTimeField(auto\_now\_add=True)

text = models.TextField()

**3. Setup your database settings**

**Edit the file "settings.py"**

DATABASES = {

'default': {

'ENGINE': 'django.db.backends.postgresql\_psycopg2', # Add 'postgresql\_psycopg2', 'postgresql', 'mysql', 'sqlite3' or 'oracle'.

'NAME': 'test', # Or path to database file if using sqlite3.

'USER': 'test', # Not used with sqlite3.

'PASSWORD': 'password', # Not used with sqlite3.

'HOST': '', # Set to empty string for localhost. Not used with sqlite3.

'PORT': '', # Set to empty string for default. Not used with sqlite3.

}

}

**4. "Install" the blog models**

**Add "blog" to INSTALLED\_APPS**

INSTALLED\_APPS = (

'django.contrib.auth',

'django.contrib.contenttypes',

'django.contrib.sessions',

'django.contrib.sites',

'django.contrib.messages',

'blog', #<-------------------------------

# Uncomment the next line to enable the admin:

#'django.contrib.admin',

)

**5. Create a templates**

**Create folder "templates".**

**Switch to folder "templates". Create file "index.html"**

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<title>My Blog</title>

</head>

<body>

<div id="content">

{% block content %}

{% endblock %}

</div>

</body>

</html

6. Setup the templates path

Edit "settings.py" file.

Import os at the top

Add path to TEMPLATES\_DIRS

TEMPLATE\_DIRS = (

# Put strings here, like "/home/html/django\_templates" or "C:/www/django/templates".

# Always use forward slashes, even on Windows.

# Don't forget to use absolute paths, not relative paths.

os.path.join(os.path.dirname(\_\_file\_\_),'templates'), # creates a absolute path

)

**7. Create the blog tables**

**Run "./manage syncdb"**

**It will create the blog tables.  
It will ask you to create a superuser, follow the instructions**

**8. Add a url pattern**

**Edit file "urls.py"**

urlpatterns = patterns('',

# Example:

# (r'^blog/', include('blog.foo.urls')),

(r'^, 'blog.views.index'), #<------------------- index/root entry

# Uncomment the admin/doc line below and add 'django.contrib.admindocs'

# to INSTALLED\_APPS to enable admin documentation:

# (r'^admin/doc/', include('django.contrib.admindocs.urls')),

# Uncomment the next line to enable the admin:

#(r'^admin/', include(admin.site.urls)),

)

**9. Create a view**

Create a file "views.py"

from django.shortcuts import render\_to\_response

def index(request):

return render\_to\_response('index.html', locals())

**Run the dev server: ./manage runserver 8000**



**10. Activate the admin**

Uncomment "django.contrib.admin" in INSTALLED\_APPS

INSTALLED\_APPS = (

'django.contrib.auth',

'django.contrib.contenttypes',

'django.contrib.sessions',

'django.contrib.sites',

'django.contrib.messages',

'blog',

# Uncomment the next line to enable the admin:

'django.contrib.admin', #<<<------- uncommented

)

**Edit "urls.py" file**

from django.conf.urls.defaults import \*

# Uncomment the next two lines to enable the admin:

from django.contrib import admin #<<< uncomment this

admin.autodiscover() #<<< uncomment this

urlpatterns = patterns('',

(r'^, 'blog.views.index'),

# Uncomment the next line to enable the admin:

(r'^admin/', include(admin.site.urls)), #<<< uncomment this

)

**Run ./manage syncdb**

**11. Activate the module in admin**

**Create file "admin.py"**

from django.contrib import admin

from blog.models import Blog

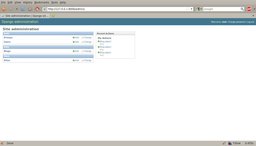
class AdminBlog(admin.ModelAdmin):

pass

admin.site.register(Blog, AdminBlog)

**Type "http://127.0.0.1:8000/admin" in your browser**

**Login as superuser which you choose before**



**Click on "Add" and create some posts**

**12. Fill the view with logic**

from django.shortcuts import render\_to\_response

from blog.models import Blog

def index(request):

entries = Blog.objects.all()

return render\_to\_response('index.html', locals())

**13. Show it in template**

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<title>My Blog</title>

</head>

<body>

<div id="content">

{% block content %}

{% for e in entries %}

{{ e.title }}<br/>

{{ e.date }}<br/>

{{ e.text }}<br/>

<hr/>

{% endfor %}

{% endblock %}

</div>

</body>

</html>

Type http://127.0.0.1:8000 in your browser and you see your blog!

