

django nedir, yenir mi?

Cihan Okyay
cihan.okyay@linux.org.tr
@cihann



- * Open source
- * Nesne Yönelimli
- * Temiz sözdizimi
- * Öğrenmesi kolay
- * Güçlü



Guido van Rossum

```
a = 10
```

```
if a > 5:  
    print 'büyük'  
else:  
    print 'küçük'
```

```
def factorial(x):  
    if x == 0:  
        return 1  
    else:  
        return x * factorial(x - 1)
```

```
factorial(5)
```

Django

The Web framework
for perfectionists with deadlines ...

... not a framework for
beginners with deadlines

Tarihi

2003: Kansas, USA

2005: BSD & 0.90

2008: 1.0

2011: 1.3

Özellikler

- * Dökümantasyon
- * ORM
- * URL dispatcher
- * Templates
- * Interactive terminal
- * Admin Panel

- * Authentication & Authorization

- * i18n i L10n

- * Cache

- * Forms

Mimari

MTV (Model, Template, View)



Model

```
from django.db import models class
```

```
class Poll(models.Model):  
    question = models.CharField(max_length=200)  
    pub_date = models.DateTimeField('date published')
```

```
class Choice(models.Model):  
    poll = models.ForeignKey(Poll)  
    choice = models.CharField(max_length=200)  
    votes = models.IntegerField()
```

ORM

```
>>> from polls.models import Poll, Choice
```

```
>>> Poll.objects.all()
```

```
[]
```

```
>>> import datetime
```

```
>>> p = Poll(question="Naber?",  
...         pub_date=datetime.datetime.now())
```

```
>>> p.save()
```

```
>>> p.id
```

```
1
```

```
>>> p.question  
"Naber?"
```

orm devam

```
>>> Poll.objects.get(id=1)  
<Poll: Naber?>
```

```
>>> Poll.objects.filter(question="Naber?")  
[<Poll: Naber?>]
```

```
>>> Poll.objects.all().order_by("question")  
[<Poll: Naber?>]
```

```
>>> Poll.objects.filter(question__startswith="Nab")  
[<Poll: Naber?>]
```

```
>>> p = Poll.objects.get(question="Naber?")
```

```
>>> p.question = "Naber Django?"
```

```
>>> p.save()
```

```
>>> p.question
```

Admin Panel

Django administration

Welcome, **cihan**. [Change password](#) / [Log out](#)

Site administration

Auth	
Groups	+ Add Change
Users	+ Add Change

Blog	
Categories	+ Add Change
Entries	+ Add Change

Sites	
Sites	+ Add Change

Recent Actions

My Actions

None available

Add blog

Title:

Slug:

Body:

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Category:

example

Views

```
from django.http import HttpResponse
```

```
def hello(request):  
    return HttpResponse("Hello World!")
```

```
from django.shortcuts import render_to_response  
from polls.models import *
```

```
def index(request):  
    latest_poll_list = Poll.objects.all().order_by('-pub_date')  
    return render_to_response('index.html',  
        {'latest_poll_list': latest_poll_list})
```

URLconfs

```
from django.conf.urls.defaults import *
```

```
urlpatterns = patterns("",  
    (r'^polls/$', 'polls.views.index'),  
)
```

example.com/polls/

Templates

```
{% if latest_poll_list %}  
  <ul>  
    {% for poll in latest_poll_list %}  
      <li><a href="/polls/{{ poll.id }}/">{{ poll.question }}</a></li>  
    {% endfor %}  
  </ul>  
{% else %}  
  <p>No polls are available.</p>  
{% endif %}
```

Örnek uygulama

<https://github.com/cihann/djangoistanbul>

<git@github.com:cihann/djangoistanbul.git>

TEŞEKKÜRLER

SORULAR?