

Django

The D is silent

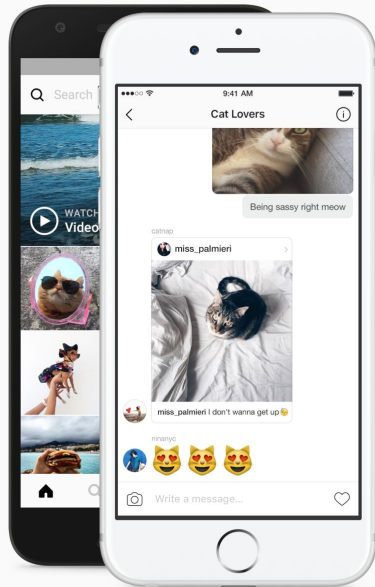


Overview

- Web framework based in Python (2 or 3)
- Easy to set up and start coding
- Lots of built-in features without extra libraries

Who even uses Django?

Instagram



Instagram

Sign up to see photos and videos
from your friends.

 Log in with Facebook

OR

Sign up

By signing up, you agree to our
[Terms & Privacy Policy](#).

Have an account? [Log in](#)

Get the app.


Pinterest

The screenshot displays the Pinterest mobile app interface. At the top, there is a search bar with the Pinterest logo on the left and navigation icons (home, profile, messages) on the right. The main content area is a grid of pins:

- Pin 1 (Top Left):** A Trello advertisement with the text "Organize anything, together" and "SIGN UP - IT'S FREE!". Below it, a description in Spanish: "Trello es una excelente herramienta gratuita para estar...". It is from "Barbara Gadgets" and has 1 repin.
- Pin 2 (Top Middle):** A quote on a wooden background: "Don't underestimate me. I know more than I say, think more than I speak, & notice more than you realize." It is from "Technology" and has 58.4k repins and 3 likes.
- Pin 3 (Top Right):** A collection of tech accessories including a purple USB cable, a purple power bank, and a purple case. It is from "Barbara Gadgets" and has 2 repins.
- Pin 4 (Middle Left):** An advertisement for SimpliSafe with the text "What are these and how can they protect your family?". It shows a white security device and lists "Keypad", "105dB Siren", and "Keychain Remote".
- Pin 5 (Middle Middle):** A smartphone screen displaying "16 IMPORTANT THINGS EVERY IPHONE 6 OWNER SHOULD KNOW". It is from "Kathy Paulin THE BEST".
- Pin 6 (Middle Right):** A monitor screen with the text "17 TIPS EVERY NETFLIX WATCHER NEEDS TO KNOW".
- Pin 7 (Bottom Right):** A fluffy orange cat with the text "it's not weekend yet?" and "not even friday?". It is from "Barbara Gadgets" and has 1 repin.

At the bottom right of the screen, there are three circular icons: a plus sign (+), a question mark (?), and a "Privacy" label.

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Frantic John Kerry Looks On As Teresa Slowly Lowered Into Kim Jong-Un's Electric Eel Tank

PYONGYANG—Bursting into the North Korean dictator's central control room to find his wife suspended from a rope 40 feet in the air, a frantic Secretary of State John Kerry




Transition Team Assures Public Trump Has Too Many Conflicts Of Interest To Favor Any Specific One

WASHINGTON—Seeking to allay concerns about how the incoming commander-in-chief's business ties would affect the way he governs, members of Donald Trump's White House transition team assured the American public Friday that the president-elect has far too many conflicts of interest to favor any



7-Year-Old Apparently Under Impression Everyone Knows Who The Fuck Aunt Dee-Dee Is



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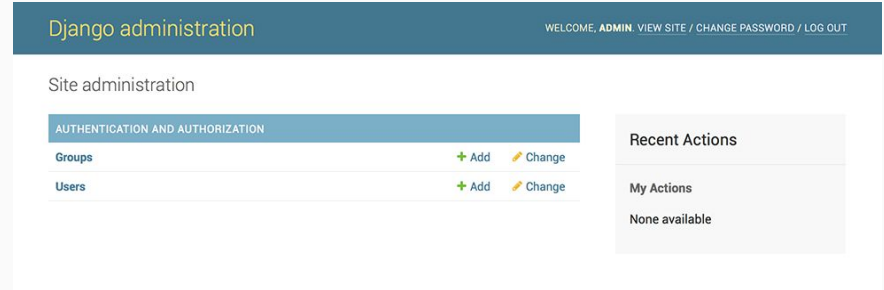
Built-In Features

User Authentication

- Manages secure login
- Can add custom authentication to the pipeline (like whitelisting users, integrating with Facebook, etc.)
- Handles grouping and permissions

Admin Site

- Created on startup
- You can add new objects into your database using an autogenerated form



Syndication Feed

- You can make an RSS or Atom type feed easily
- Can be arbitrarily simple or complex - fully customizable

What does the code look like?

Object Models

polls/models.py

```
from django.db import models

class Question(models.Model):
    question_text = models.CharField(max_length=200)
    pub_date = models.DateTimeField('date published')

class Choice(models.Model):
    question = models.ForeignKey(Question,
on_delete=models.CASCADE)
    choice_text = models.CharField(max_length=200)
    votes = models.IntegerField(default=0)
```

Router

polls/urls.py

```
from django.conf.urls import url

from . import views

urlpatterns = [
    # ex: /polls/
    url(r'^$', views.index, name='index'),
    # ex: /polls/5/
    url(r'^(?P<question_id>[0-9]+)/$', views.detail, name='detail'),
    # ex: /polls/5/results/
    url(r'^(?P<question_id>[0-9]+)/results/$', views.results, name='results'),
    # ex: /polls/5/vote/
    url(r'^(?P<question_id>[0-9]+)/vote/$', views.vote, name='vote'),
]
```

View Controllers

polls/views.py

```
from django.http import HttpResponse
from django.template import loader

from .models import Question

def index(request):
    latest_question_list = Question.objects.order_by('-pub_date')[:5]
    template = loader.get_template('polls/index.html')
    context = {
        'latest_question_list': latest_question_list,
    }
    return HttpResponse(template.render(context, request))
```

HTML Templates (Jinja)

```
polls/templates/polls/index.html
```

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