Build a Blog from scratch with Django

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Build a Blog from scratch
Django Framework

- Session of today consists of following parts :

  - Django in Brief

  - Routing defined views to proper URLs

  - Defining Data Models

  - Defining Admin rendering

  - Creating HTML View behaviors

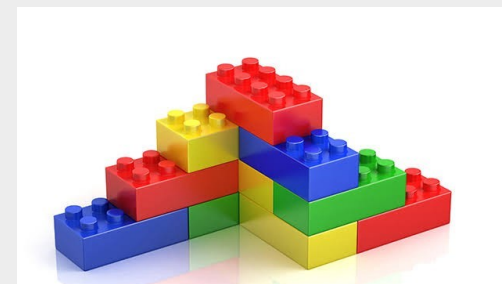 - Creating associated HTML templates

  - To go further…

Django in Brief

« Django makes it easier to build better Web apps more quickly and with less code »

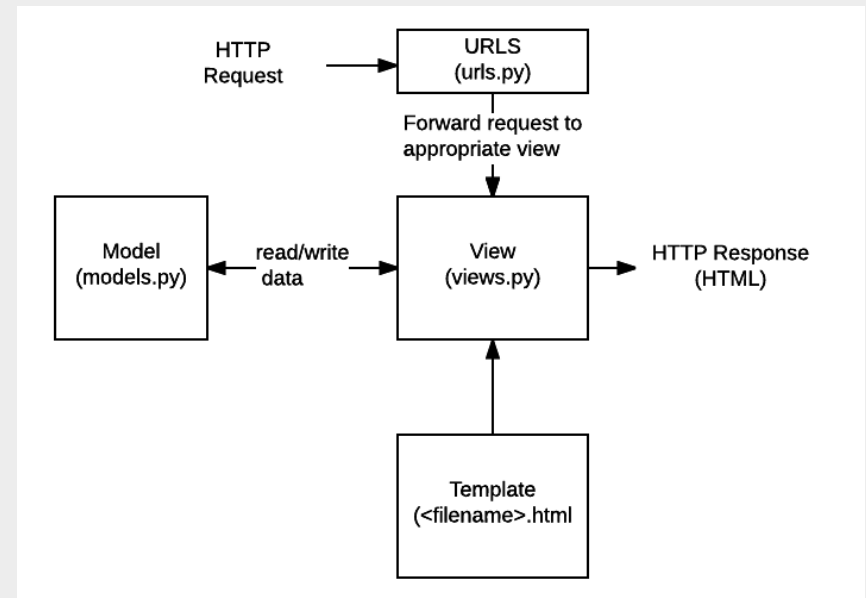Django is a set of software pieces

Each piece address a problem (a set of features)

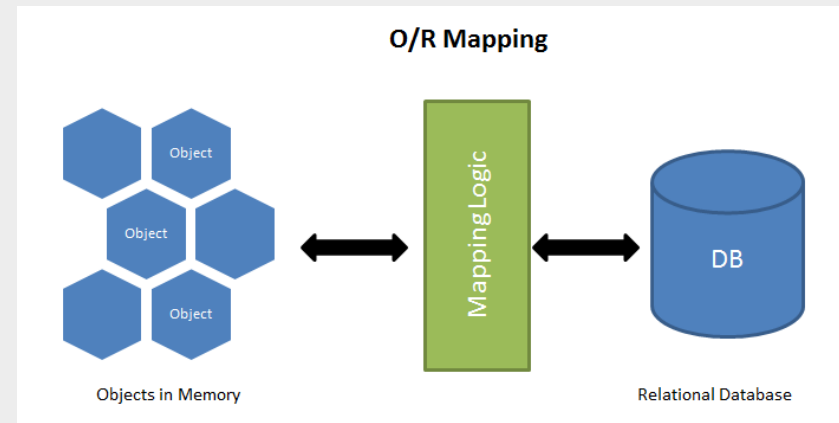Each piece is pluggable & highly configurable

Django Routing

- Defined in « urls.py » module

- « To design URLs for an app, you create a Python module informally called a URLconf (URL configuration). This module is pure Python code and is a mapping between URL path expressions to Python functions (your views). »
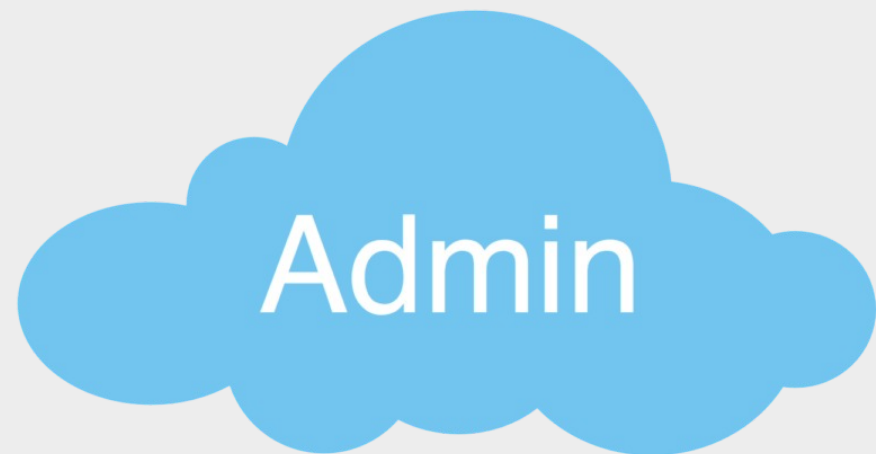
Django Models

- Defined in « models.py » module
- Use Object Relational Mapping (ORM)
- Take in charge database synchronization with django command line tooling through « manage.py » script

O/R Mapping

Object

Object

Object

Mapping Logic

DB

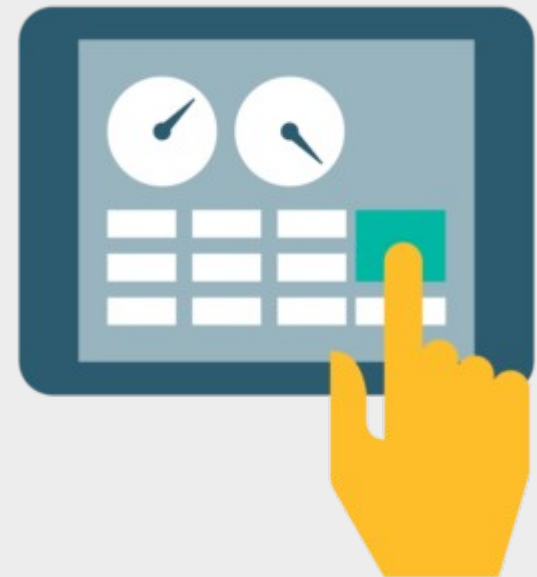Objects in Memory

Relational Database

Django Admin

- Defined in « admin.py » module

- Automated Interface based on Data Models

- Easy to customize & configure

- To learn more, take a look at official Documentation

Django Views

- Defined in « views.py » module
- Place to write view logic & behavior
- Several Generic piece of code brought by Django to speed up development of common use cases

Django Templates

- Stored in « templates » folder
- Contains all HTML files to be bound to view's logic (defined in views.py module)
- Define the look & feel of the application

Thanks for Attending

- To go further

  - Django REST framework to build an API within minutes

  - Find out tons of third-party contributions by digging into the Django's community