Web Concepts

Website

URL

IP Address & Port

Domain Name Server (DNS)

HTTP Protocol

Client

Server

Request

Response

Request Methods

Few Response Types

HyperText Markup Language (HTML)

Cascading Style Sheets (CSS)

JavaScript

JavaScript Object Notation (JSON)

Asynchronous JavaScript and XML (AJAX)

HTML Forms

Cookies

Static vs Dynamic Webpage Generation

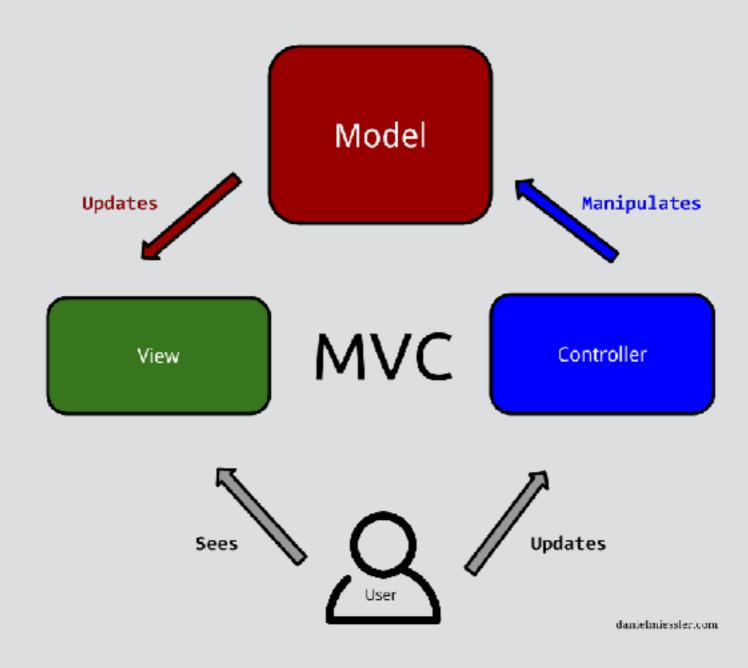
Responsive Design

Database Management System (DBMS)

Web Framework

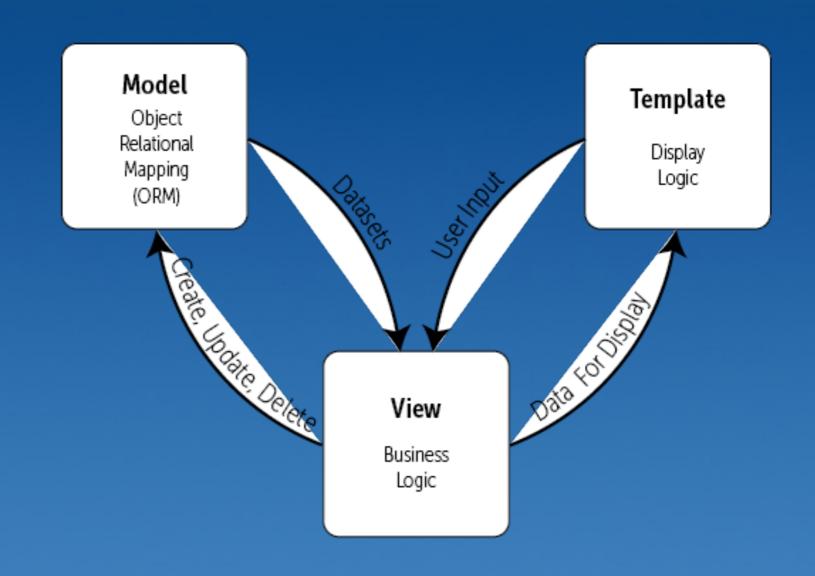
MVC Framework

- Model
- View
- Controller



or MTV in Django

- Model
- Template
- View



Django ORM

SQL

CREATE TABLE "pages_page" ("id" integer NOT NULL PRIMARY KEY AUTOINCREMENT, "title" varchar(60) NOT NULL, "permalink" varchar(12) NOT NULL UNIQUE, "update_date" datetime NOT NULL, "bodytext" text NOT NULL); COMMIT;



Database

Django ORM

class Page(): title = CharField permalink = CharField update_date = DateTimeField bodytext = TextField



Django Directory Structure

- → myproject/
 - → app/
 - → admin.py
 - → models.py
 - → views.py
 - → urls.py
 - → forms.py
 - → migrations/
 - → fixtures/
 - → manage.py
 - → db.sqlite3
 - → templates/
 - → static/
 - → media/
 - → myproject/
 - → urls.py
 - → settings.py
 - → wsgi.py

pip install Django

django-admin startproject proj