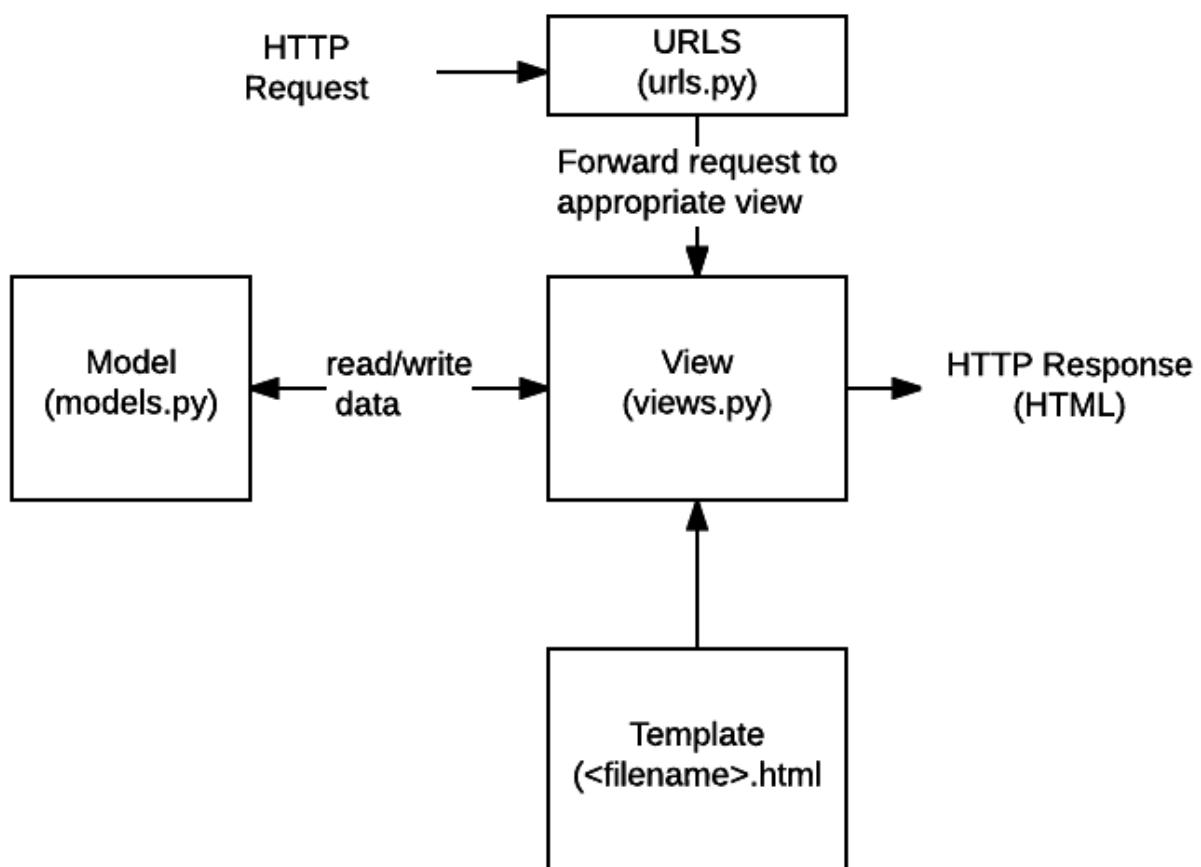


# Project Overview

## Django:

Django is a high-level Python web framework that enables rapid development of secure and maintainable websites. Built by experienced developers, Django takes care of much of the hassle of web development, so you can focus on writing your app without needing to reinvent the wheel. It is free and open source, has a thriving and active community, great documentation



- **URLs:** While it is possible to process requests from every single URL via a single function, it is much more maintainable to write a separate view function to handle each resource. A URL mapper is used to redirect HTTP requests to the appropriate view based on the request URL. The URL mapper can also match particular patterns of strings or digits that appear in a URL and pass these to a view function as data.
- **View:** A view is a request handler function, which receives HTTP requests and returns HTTP responses. Views access the data needed to satisfy requests via *models*, and delegate the formatting of the response to *templates*.
- **Models:** Models are Python objects that define the structure of an application's data, and provide mechanisms to manage (add, modify, delete) and query records in the database.
- **Templates:** A template is a text file defining the structure or layout of a file (such as an HTML page), with placeholders used to represent actual content. A view can dynamically create an HTML page using an HTML template, populating it with data from a *model*. A template can be used to define the structure of any type of file; it doesn't have to be HTML!

# Our Project:

If you open our project directory you will find these files:

 .idea	1/14/2024 10:17 AM	File folder
 home	1/14/2024 10:16 AM	File folder
 Notes_Finder	1/14/2024 10:16 AM	File folder
 static	1/14/2024 8:19 AM	File folder
 db.sqlite3	1/14/2024 7:58 AM	SQLITE3 File 168 KB
 manage.py	1/12/2024 5:19 AM	Python File 1 KB

1. Starting from bottom the first file is **manage.py**. This file is used to run commands which perform important functionalities. For Example the server is run by command: `python manage.py runserver`.
2. The Second File is **db.sqlite3**. This is our database. All tables users, notes, colors and country are stored in it.
3. **Static Folder**, All images are stored in static folder and fetched from static folder.
4. **Notes\_Finder**, This folder contains all our configuration files. In it urls and setting file is the most important once.
5. Last is **home Folder**, It contains all main files of project.

Name	Date modified	Type	Size
__pycache__	1/14/2024 10:17 AM	File folder	
migrations	1/12/2024 11:59 AM	File folder	
templates	1/14/2024 10:17 AM	File folder	
__init__.py	1/12/2024 6:31 AM	Python File	0 KB
admin.py	1/12/2024 9:14 AM	Python File	1 KB
apps.py	1/12/2024 6:31 AM	Python File	1 KB
models.py	1/13/2024 10:55 AM	Python File	2 KB
tests.py	1/12/2024 6:31 AM	Python File	1 KB
views.py	1/14/2024 10:16 AM	Python File	2 KB

1. In home folder, the **models.py** file contains all tables. You can maintain and manage database from their.
2. templates folder contains our frontend html files. In our project these are two index for main page and details for details page.
3. **admin.py** file maintain admin panel.
4. **views.py** is the main file. It fetch data from database then send it to frontend.

**For Further Details:** Please see comments in the code and visit Django website:

