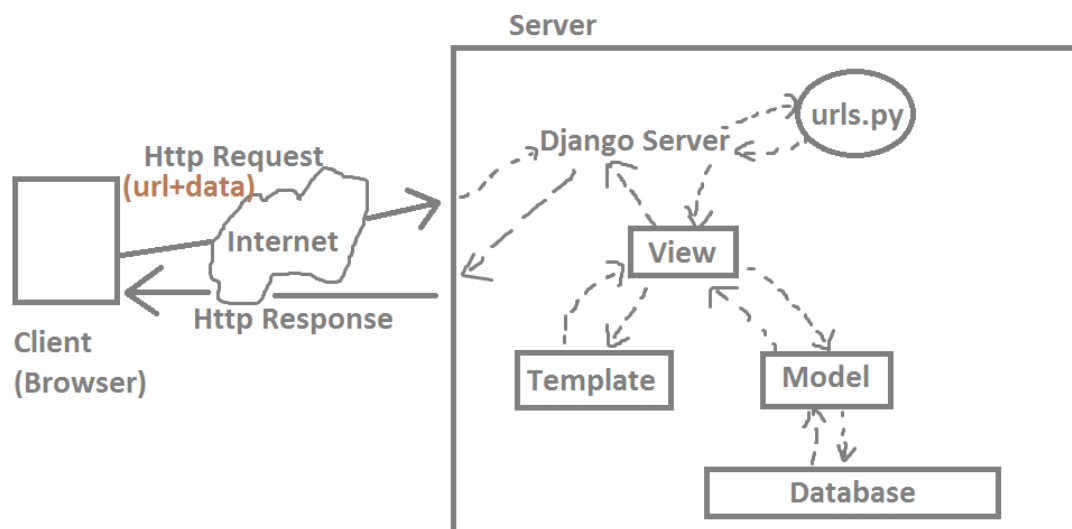


What is MVT?

MVT

- The MVT stands for Model View Template
- It is a software design pattern
- It is a collection of three important components Model, View and Template
- Model helps to handle database
- The Template is a presentation layer which handles user interface part.
- The view is used to execute business logic and interact with a model to carry data and renders a template

How it works?



- Client sends request by writing url on the browser. Sometimes optional data can also be sent with the request. Such request is known as Http Request. This can be done in four ways:
 - By manually writing url
 - By clicking on some link (anchor HTML tag, url is written in href attribute)
 - By submitting a form (url is written in action attribute of form tag)
 - Using Javascript (Ajax)

- When Django receives client's request its first job is to find action to be taken against requested url. `urls.py` is the file where url patterns are mapped with the actions. These actions are usually python functions. These python functions are defined in `views.py` file of some app of your project.
- Django then invokes the found action (python function from `views.py`).
- This view function performs the business logic. Sometimes, it requests data access which is either stored in the database or to be stored in the database. Model concept provides an ease to the programmer to access database without bothering SQL commands.
- Model provides a python way to interact with the database.
- At last python function uses templates to return the final response.
- View returns the response to Django and Django send it to the browser which is known as http response.