

# DJANGO / PYTHON

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# WHY DJANGO?

Django is a popular open-source Python-based framework for backend development

Mainly used for large applications with large text content etc

Includes multiple useful libraries and APIs

# WHY DJANGO

Fast traffic management

Adaptive

Scalability(Gram)

# DJANGO VS FLASK

Very similar python frameworks

Django is used for large applications, but flask is used for more lightweight small-scale applications

# MVT ARCHITECTURE

Models:

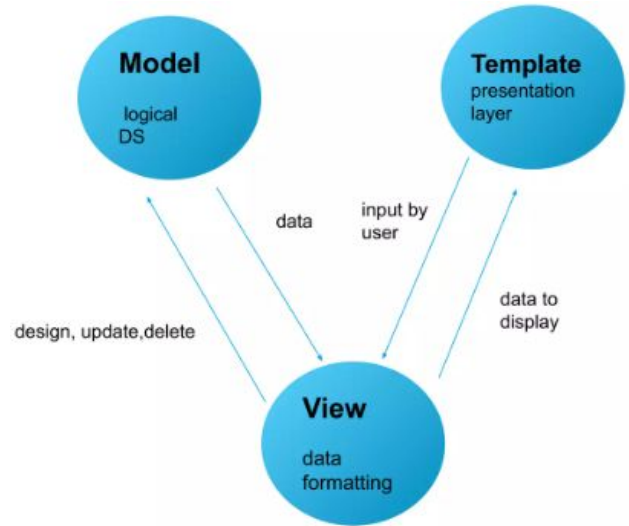
Provides the interface

Views:

link between the Model data and the Templates. It sees the user request, retrieves appropriate data from the database, then renders back the template along with retrieved data.

Templates:

Templates are responsible for the entire User Interface completely. It handles all the static parts of the webpage along with the HTML, which the users visiting the webpage will perceive.



# Control Flow

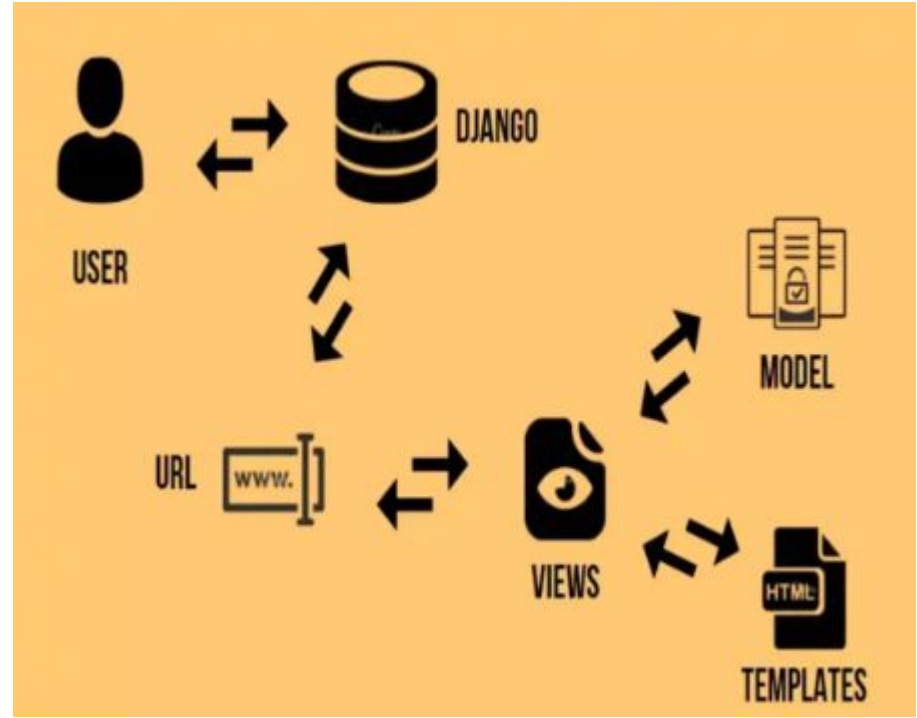
The user sends a URL request for a resource to Django.

Django framework then searches for the URL resource.

If the URL path links up to a View, then that particular View is called.

The View will then interact with the Model and retrieve the appropriate data from the database.

The View then renders back an appropriate template along with the retrieved data to the user.



THANKS!

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