WHAT IS Django?

### It is a free and open source web application frame work written in python

### It builds with python and designed to developers secure, and efficiently

### It provides built in features for every thing including Django Admin interface, default database

FEATURES OF DJANGO:



### Stability

### Excellent documentation

### Resolves security issues

### Highly scalable

### Huge library of packages

### Utilize SEO

Django Supports:

### Object Relational Mapping (ORM)



 SQL ORM Python Code



### Multilingual support

### Web development with light weight web server

Applications:

### Django is a versatile web framework used in a wide range of industries and projrects.

### By using Django many pages were developed

### You tube, Instagram, sportify …..

MVT (Model view Template):



User URL.py



Forward request/ Response



Model View HTTP response



Database



Template



Model(M):

### Model is going to act as interface of your data

### It is responsible for maintaining data

### It is the logical data structure behind the entire application and is represented by database

### It is a database when we send the request to it send back the data

View(V):

### It act as link between model data and template

### It contains python logics which required to web applications

### This view also sends response to the user when the application is used to understand briefly

### We can say that this view.py can deal with the http response

#### Request process data HTTP render

User Url View template

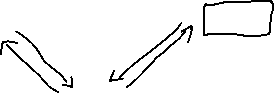


Template(T):

### A template consists of static part of the desired HTML output as well as some special syntax describing how dynamic contant will be inserted

### The language we use HTML, CSS, Bootstrap, Javascript.

Model Template



View



Rest frameworks:

### Django rest frameworks is a wrapper over the default Django framework, basically used to create APL,s of various kinds.

### Frameworks are software that development and used by developer to build apllications

Web framework:

### It is a software that is designed to support the development of web applications include

#### 1.web services

#### 2. web browser

#### 3.web Api’s

REST API’s:

### Having web applications or web page communicate with a cloud based server

### REST: Representational state Transfer

Benefits of Rest API’s:

### Simple standard and industry used

### Thery are scalable and statelos

### High performance in large part due to the fact that they support caching