**Django – Templates**

A Django template is a text document or a Python string marked-up using the Django template language. Some constructs are recognized and interpreted by the template engine.

Templates are the third and most important part of [Django’s MVT Structure](https://www.geeksforgeeks.org/django-project-mvt-structure/" \t "_blank). A template in Django is basically written in HTML, CSS and Javascript in an .html file.

Django framework efficiently handles and generates dynamically HTML web pages that are visible to end-user. Django mainly functions with a backend so, in order to provide frontend and provide a layout to our website, we use templates.

There are two methods of adding the template to our website depending on our needs.

1. We can use a single template directory which will be spread over the entire project.
2. For each app of our project, we can create a different template directory.

Configuration

TEMPLATES = [

{

'BACKEND': 'django.template.backends.django.DjangoTemplates',

'DIRS': [os.path.join(BASE\_DIR,'templates')],

'APP\_DIRS': True,

'OPTIONS': {

'context\_processors': [

'django.template.context\_processors.debug',

'django.template.context\_processors.request',

'django.contrib.auth.context\_processors.auth',

'django.contrib.messages.context\_processors.messages',

],

},

},

]

To render a template we need a view and a url mapped to that view.

Render(request,’templatefilename’)

Views.py

from django.shortcuts import render  
from django.http import HttpResponse

*# Create your views here.*

def hello\_django(request):  
 return HttpResponse('Hello Django')

urls - path(‘hello\_django/’,views.hello\_django)  
-------------------------------------------------------------  
def hello\_python(request):  
 a="Hello python"  
 return HttpResponse(a)  
----------------------------------------------------------------  
def Sum(request):  
 a=10+10  
 return HttpResponse(a)  
----------------------------------------------------------------  
def Concat(request):  
 a= 'python' + ' django '  
 return HttpResponse(a)  
----------------------------------------------------------------------  
def show\_template(request):  
 return render(request,'temp1.html')

path(‘show\_template/’,views.show\_template)  
------------------------------------------------------------------------  
def student\_info(request,sid,sname):  
 return render(request,'temp1.html',{'stuid':sid,'studentname':sname})

-----------------------------------------------------------  
def student\_info1(request):  
 return render(request,'temp2.html')  
-------------------------------------------------

def student\_info\_link(request,sid):  
 if sid == 1:  
 student = {'stuid':sid,'name':'Sneh'}  
 if sid == 2:  
 student = {'stuid':sid,'name':'Aarush'}  
 return render(request,'temp1.html',student)

temp1.html

<!DOCTYPE html>  
<html lang="en">  
<head>  
 <meta charset="UTF-8">  
 <title>template</title>  
</head>  
<body bgcolor="pink" text="blue">  
<h1>This is a first Django template -- HTML file</h1>  
<h2>This is a second line  
  
 <br> Student id you entered : {{stuid}}  
<br> Student Name You entered: {{studentname}}</h2>  
</body>  
</html>

Temp2.html

<!DOCTYPE html>  
<html lang="en">  
<head>  
 <meta charset="UTF-8">  
 <title>second template</title>  
</head>  
<body bgcolor="#f0ffff" text='blue'">  
<h2>This is other template</h2>  
<a href="{%url 's1' 1 'Sneh'%}">student 1</a>  
<a href="{%url 's1' 2 'Aarush'%}">student 2</a>  
  
</body>  
</html>

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 'django.contrib.messages.context\_processors.messages',  
 ],  
 },  
 },  
]

from django.contrib import admin  
  
from django.urls import path  
from student import views  
  
urlpatterns = [  
 path('admin/', admin.site.urls),  
 path('hello\_django/',views.hello\_django),  
 path('hello\_python/',views.hello\_python),  
 path('sum/',views.Sum),  
 path('concat/',views.Concat),  
 path('show\_template',views.show\_template),  
 path('student\_info/<int:sid>/<str:sname>',views.student\_info,name="s1"),  
 path('',views.student\_info1,name="s2"),  
 #path('student\_info\_link/<int:sid>/',),  
]