**Setting Home Page**

**Creating a Project:**

Here we are developing some School Project

1. Creating a project SchoolProject in the current directory.

django-admin startproject SchoolProject

2. Move to that current directory

cd SchoolProject

3. To run the server if server is working

python manage.py runserver

4. Go to browser window and type this url <http://127.0.0.1:8000>

After checking the servers is worked and drag and drop the SchoolProject into the atom IDE.

**Creating an First Application**

Here we are creating the first application name as admissions

1. Creating an application admissions

django-admin startapp admissions

**Settings.py**

* In this settings.py file and go to the Installed\_Apps and add the application 'admissions' and put the comma and save it.

**Creating an Second Application**

Here we are creating the first application name as finance

1. Creating an application finance

django-admin startapp finance

**Settings.py**

* In this settings.py file and go to the Installed\_Apps and add the application 'finance' and put the comma and save it.

1. Go to main folder of SchoolProject and create new folder name templates.
2. Click templates and create new folder and type admissions.
3. Click templates and create new folder and type finance.
4. Click an admissions folder and create new file add addadmission.html
5. Click an admissions folder and create new file add admissionreport.html
6. Click an finance folder and create new file add feecollection.html
7. Click an finance folder and create new file add feeduesreport.html
8. Click an finance folder and create new file add feecollectionreport.html
9. Go to application folder of admissions app and create new folder name static.
10. Click static folder and create new folder and type images.
11. Select an any image in your computer and copy that image and paste into the images folder.
12. Click static folder and create new folder and type stylesheets.
13. Click stylesheets folder and create new file style.css
14. Click templates folder and create new file name index.html

**Go to admissions app and click views.py file**

render ( ):

* This function uses the render ( ) function to create the HttpResponse that is sent back to the browser.
* This function is a shortcut; it creates an HTML file by combining a specified HTML template and some data to insert in the template (provided in the variable named "context").

**views.py**

from django.shortcuts import render

def homepage(request):

return render(request,'index.html')

def addadmission(request):

values={ "name":"sam","age":22,"address":"chennai"}

return render(request, 'admissions/addadmission.html',values)

def admissionreport(request):

return render(request, 'admissions/admissionreport.html')

**addadmission.html**

{% load static %}

<html>

<head>

<title>add admission page</title>

<link rel="stylesheet" href="{% static 'stylesheets/style.css' %}"/>

</head>

<body>

<img src="{% static 'images/Desert.jpg' %}" alt="Desert" height="300px" width="700px"/>

<h1>Hello {{name}}…this is add admission page</h1>

<h2 style= "color:red;"> Your age is {{age}}</h2>

<h2>My address is {{address}}</h2>

</body>

</html>

Open style.css file in stylesheets folder

**style.css**

body

{

background-color:skyblue;

}

h1

{

color:blue;

}

**admissionreport.html**

<html>

<head>

<title>admission report page</title>

</head>

<body>

<h1>Hello this is admission report page</h1>

</body>

</html>

**feecollection.html**

<html>

<head>

<title>fee collection page</title>

</head>

<body>

<h1>Hello this is fee collection page</h1>

</body>

</html>

**feeduesreport.html**

<html>

<head>

<title>fee dues report page</title>

</head>

<body>

<h1>Hello this is fee dues report page</h1>

</body>

</html>

**feecollectionreport.html**

<html>

<head>

<title>fee collection report page</title>

</head>

<body>

<h1>Hello this is fee collection report page</h1>

</body>

</html>

**Creating urls.py file in admission application**

Right click on admissions app and click new file and type urls.py file

Open urls.py in the admissions app

**urls.py**

from django.urls **import** path

from admissions.views **import** addadmission

from admissions.views **import** admissionreport

urlpatterns = [

    path('newadm/', addadmission),

    path('admreport/', admissionreport),

]

**Go to finance app and click views.py file**

**views.py**

from django.shortcuts import render

def feecollection(request):

return render(request, 'finance/feecollection.html')

def feeduesreport(request):

return render(request, 'finance/feeduesreport.html')

def feecollectionreport(request):

return render(request, 'finance/feecollectionreport.html')

**Creating urls.py file in finance application**

Right click on finance app and click new file and type urls.py file

Open urls.py in the finance app

**urls.py**

from django.urls **import** path

from finance.views **import** feecollection

from finance.views **import** feeduesreport

from finance.views **import** feecollectionreport

urlpatterns = [

    path('feecoll/', feecollection),

    path('duesreport/', feeduesreport),

    path('collectionreport/', feecollectionreport),

]

**Open urls.py in the project folder**

**urls.py**

from django.contrib **import** admin

from django.urls **import** path,include

from admissions.views **import** homepage

urlpatterns = [

    path('admin/', admin.site.urls),

path('',homepage),

path('ad/', include('admissions.urls')),

path('fin/', include('finance.urls')),

]

**index.html**

{% load static %}

<html>

<head>

<title>add admission page</title>

<link rel="stylesheet" href="{% static 'stylesheets/style.css' %}"/>

</head>

<body>

<h1>School Project</h1>

<div class="module">

<h1>Admissions</h1>

<a href="./ad/newadm">Add Admissions</a>

<a href="./ad/admreport"><button type="button" name="button">Admission Report</button></a>

</div>

<div class="module1">

<h1>Finance</h1>

<a href="./fin/feecoll"><button type="button" name="button">Fee Collection</button></a>

<a href="./fin/duesreport"><button type="button" name="button">Fee Dues Report</button></a>

<a href="./fin/collectionreport"><button type="button" name="button">Fee Collection Report</button></a>

</div>

</body>

</html>

**To know the current python filename**

print (\_\_file\_\_) # for example: template.py

**To know the absolute path of current python file name**

print(os.path.abspath(\_\_file\_\_))

for example:d:\djangoclass\python template.py

**To know base directory name of the current file**

print(os.path.dirname(os.path.abspath(\_\_file\_\_)))

Open the SchoolProject and click the settings.py file and go to the templates and write the below command.

**settings.py file**

import os

TEMPLATES=[

{

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

}

]

STATIC\_URL= '/static/'

**To run the server application**

python manage.py runserver

* Go to browser window and type this url http://127.0.0.1:8000
* It will shows the view action and choose the view particular action

http://127.0.0.1:8000