

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>



<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>