Multiple Applications inside Project
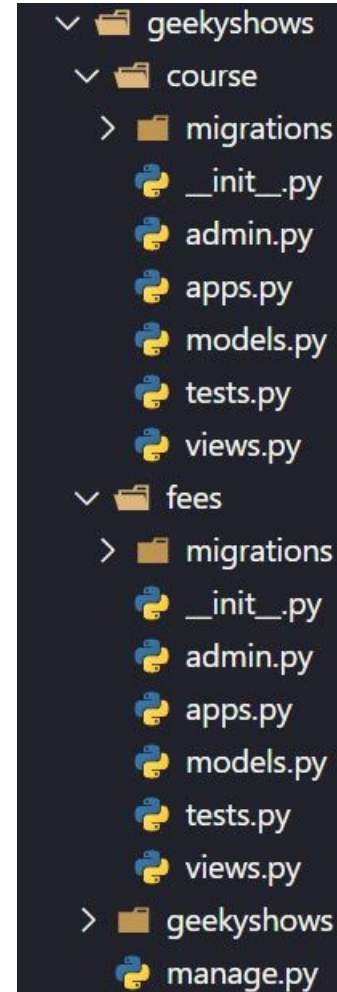
Syntax:- python manage.py startapp appname

Creating One Application inside Project Steps:-

- Go to Project Folder (*cd geekyshows*)

- Run Command ***python manage.py startapp course***

Creating Multiple Applications inside Project Steps:-

- Go to Project Folder (*cd geekyshows*)

- ***python manage.py startapp course***

- ***python manage.py startapp fees***

How to Install Application in Our Project

As we know a project can contain multiple application so just creating application inside a project is not enough we also have to install application in our project.

We install application in our project using setting.py file.

setting.py file is available at Project Level which means we can install all the application of project.

This is compulsory otherwise Application won't be recognized by Django.

Open setting.py file

```
INSTALLED_APPS = [
    'django.contrib.admin',
    'application_name1',
    'application_name2',
]
```
Save settings.py File

```
INSTALLED_APPS = [
    'django.contrib.admin',
    'course',
]
```

```
INSTALLED_APPS = [
    'django.contrib.admin',
    'course',
    'fees',
]
```
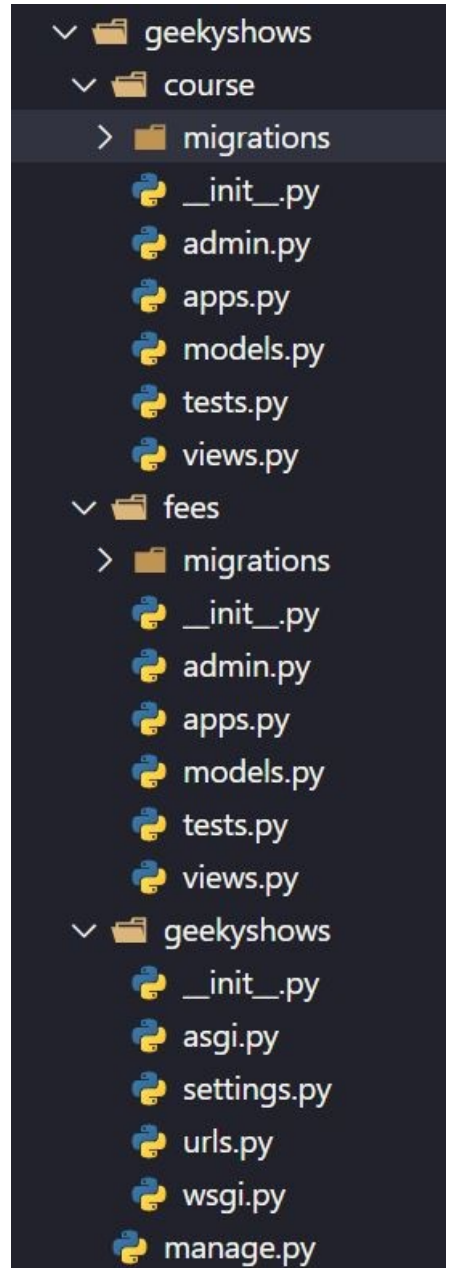
Function Based Views

views.py of course

from django.http import HttpResponse

def learn_django(request):

   return HttpResponse('Hello Django')

views.py of fees

from django.http import HttpResponse

def fees_django(request):

   return HttpResponse('300')

```
∨ 📁 geekyshows
  ∨ 📁 course
    > 📁 migrations
      🐍 __init__.py
      🐍 admin.py
      🐍 apps.py
      🐍 models.py
      🐍 tests.py
      🐍 views.py
  ∨ 📁 fees
    > 📁 migrations
      🐍 __init__.py
      🐍 admin.py
      🐍 apps.py
      🐍 models.py
      🐍 tests.py
      🐍 views.py
  ∨ 📁 geekyshows
      🐍 __init__.py
      🐍 asgi.py
      🐍 settings.py
      🐍 urls.py
      🐍 wsgi.py
  🐍 manage.py
```
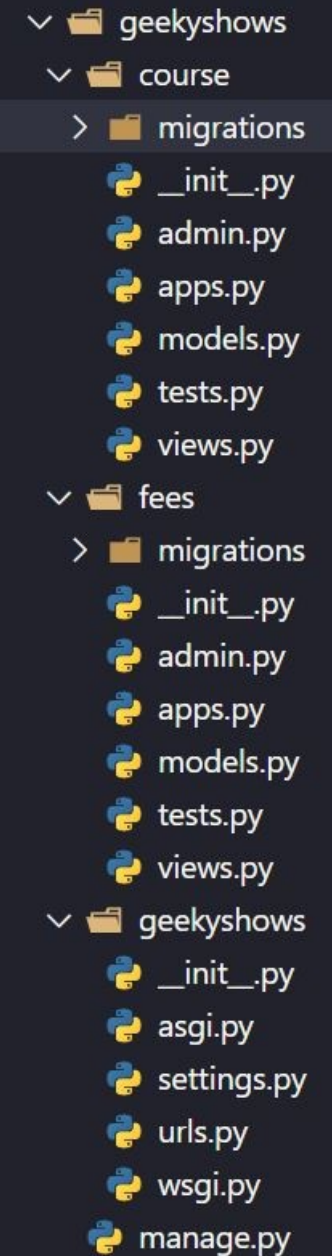
URL Pattern

views.py of course

from django.http import HttpResponse

def learn_django(request):

    return HttpResponse('Hello Django')

views.py of fees

from django.http import HttpResponse

def fees_django(request):

    return HttpResponse('300')

urls.py

from course import views

from fees import views

urlpatterns = [

    path('learndj/', views.learn_django),

    path('feesdj/', views.fees_django),

]

URL Pattern

views.py of course

from django.http import HttpResponse

def learn_django(request):

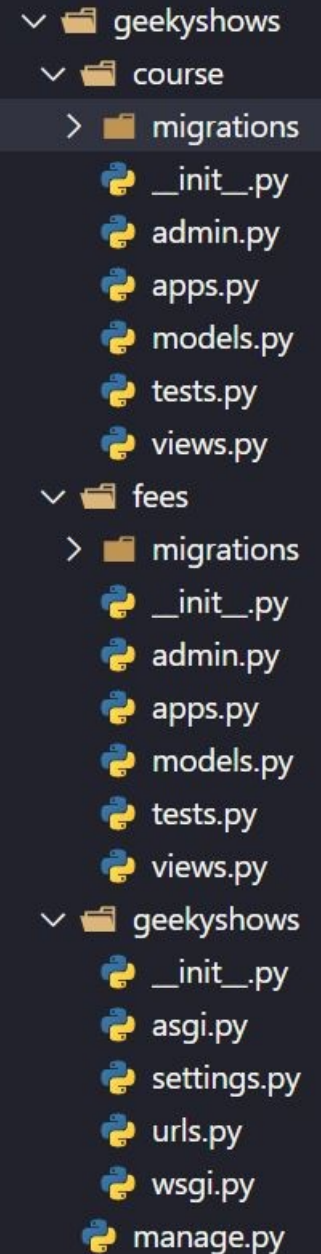*return HttpResponse('Hello Django')*

views.py of fees

from django.http import HttpResponse

def fees_django(request):

return HttpResponse('300')

urls.py

from course import views as cv

from fees import views as fv

urlpatterns = [

path('learndj/', cv.learn_django),

path('feesdj/', fv.fees_django),

]

urls.py

from course.views import learn_django

from fees.views import fees_django

urlpatterns = [

path('learndj/', learn_django),

path('feesdj/', fees_django),

]

Geeky Steps

- Create Django Project: *django-admin startproject geekyshows*

- Change Directory to Django Project: *cd geekyshows*

- Create Django Application1: *python manage.py startapp course*

- Create Django Application2: *python manage.py startapp fees*

- Add/Install Applications to Django Project (course and fees to geekyshows) using settings.py INSTALLED_APPS

- Write View Function inside views.py file

- Define url for view function of application using urls.py file

```
∨ 🗀 geekyshows
  ∨ 🗀 course
    > 📁 migrations
      🐍 _init_.py
      🐍 admin.py
      🐍 apps.py
      🐍 models.py
      🐍 tests.py
      🐍 views.py
  ∨ 🗀 fees
    > 📁 migrations
      🐍 _init_.py
      🐍 admin.py
      🐍 apps.py
      🐍 models.py
      🐍 tests.py
      🐍 views.py
  ∨ 🗀 geekyshows
      🐍 _init_.py
      🐍 asgi.py
      🐍 settings.py
      🐍 urls.py
      🐍 wsgi.py
  🐍 manage.py
```