



**INSTITUTE OF TECHNOLOGY,
NIRMA UNIVERSITY**

2CSDE86 Application Development Framework

PRACTICAL 2

Name : Jaimik S. Chauhan

Roll No. : 20BCE503

Semester : 7th

Teacher's Signature :

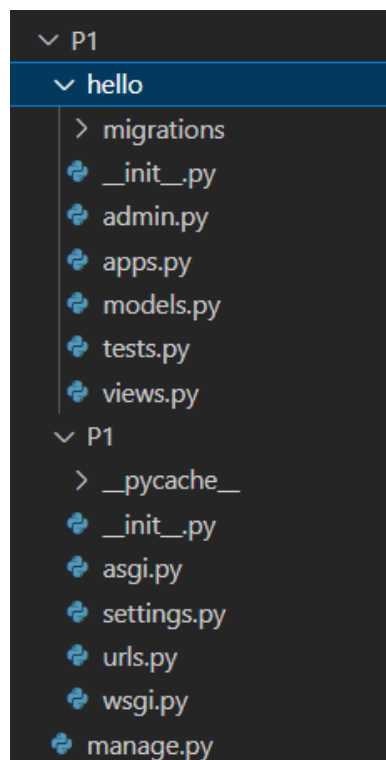
Aim : Hands on for understanding Django Project Structure and Application Structure. Sample Hello World Webpage.

1. Creating Project

```
(base) D:\BE\Sem-7\ADF\LAB>conda activate Django  
(Django) D:\BE\Sem-7\ADF\LAB>django-admin startproject P1
```

2. Creating App

```
(Django) D:\BE\Sem-7\ADF\LAB\P1>python manage.py startapp test  
CommandError: 'test' conflicts with the name of an existing Python module and cannot be used as an app name. Please try another name.  
(Django) D:\BE\Sem-7\ADF\LAB\P1>python manage.py startapp hello
```



3. Registering App with Settings.py

```
# Application definition

INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'hello'
]
```

4. Editing Hello/view.py File

```
P1 > hello > views.py > index
1  from django.shortcuts import render
2  from datetime import datetime
3  from django.http import HttpResponse
4
5  # Create your views here.
6  def index(request):
7      return HttpResponse("<h2> Hello World</h2>")
```

5. Editing Hello/urls.py File

```
P1 > hello > urls.py > ...
1  from django.urls import path
2  from views import index
3
4  urlpatterns = [
5      path('', index)
6  ]
7
```

6. Editing **P1/Urls.Py** File, Including App's URL File

```
settings.py  urls.py  x  views.py
P1 > P1 > urls.py > ...
1  """P1 URL Configuration
2
3  The `urlpatterns` list routes URLs to views. For more information please see:
4  |   https://docs.djangoproject.com/en/4.1/topics/http/urls/
5  | Examples:
6  | Function views
7  |     1. Add an import: from my_app import views
8  |     2. Add a URL to urlpatterns: path('', views.home, name='home')
9  | Class-based views
10 |     1. Add an import: from other_app.views import Home
11 |     2. Add a URL to urlpatterns: path('', Home.as_view(), name='home')
12 | Including another URLconf
13 |     1. Import the include() function: from django.urls import include, path
14 |     2. Add a URL to urlpatterns: path('blog/', include('blog.urls'))
15 | """
16 from django.contrib import admin
17 from django.urls import path, include
18
19 urlpatterns = [
20     path('admin/', admin.site.urls),
21     path('', include('hello.urls'))
22 ]
23
```

7. Starting the Web Server

```
(Django) D:\BE\Sem-7\ADF\LAB\P1>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).

You have 18 unapplied migration(s). Your project may not work properly until you apply the migrations for app(s): admin, au
Run 'python manage.py migrate' to apply them.
October 04, 2022 - 10:40:27
Django version 4.1, using settings 'P1.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

8. Home Page

