

Task: 10/2/25

Creating a Django project with three functional Applications:

Objective:

You are required to create a Django project that contains three separate applications. Each application must be functional, meaning that each app will have its own views, URL and template. You will need to ensure consistency across all applications by following a similar structure for each.

Steps:

① Create a new Django Project;

- Start by creating a new Django project that contains using the following command:

```
''' bash
django-admin startproject my-project
'''
```

- Change the Directory to your newly created project folder;

```
''' bash
cd my-project '''
```

② Create the first application:

- Create the first application using the following command:

```
''' bash
python manage.py startapp app1
'''
```


- Register this app in the 'Installed-apps' section of your 'settings.py' file:

```
''' python
    installed-apps = [ 'app1' ] '''
```

③ Create views and URLs for app1:

- In 'app1/views.py', create a simple view function:

```
''' python
    from django.http import HttpResponse
    def home(request):
        return HttpResponse("Welcome to app1!") '''
```

- In 'app1/urls.py', include the URL config for app1:

```
''' python
    from django.contrib import admin
    from django.urls import path, include

    urlpatterns = [
        path('admin/', admin.site.urls),
        path('app1/', include('app1.urls')), ] '''
```

④ Create the second application using the following command:

```
''' bash
    python manage.py startapp app2 '''
```

- Register this app in the 'Installed-apps' section of 'settings.py':

```
''' python
    installed-apps [ 'app2', ] '''
```


⑤ Create Views and URLs for App2

- In 'app2/views.py', create a simple view function:

```
''' python
    from django.http import HttpResponse
    def home(request):
        return HttpResponse("Welcome to app2!") '''
```

- In 'app2/urls.py' create a URL pattern for the view:

```
''' python
    from django.urls import path
    from . import views
    urlpatterns = [ path ('', view.home, name = 'home'), ]'''
```

- In the main 'urls.py', include the URL configurations for 'app2':

```
''' python
    urlpatterns = [
        path( 'admin/', admin.site.urls),
        path( 'app1/', include('app1.urls')),
        path( 'app2/', include('app2.urls')), ] '''
```

⑥ Create the third application:

- Create the third application using the following command:

```
''' bash
    python manage.py startapp app3 '''
```


- Register this app in the 'Installed-apps' section of 'Settings.py' :

```
''' python
```

```
Installed-apps = [ 'app3', ] '''
```

⑦ Create Views and URLs for app3;

- In 'app3/Views.py', create a simple view function:

```
''' python
```

```
from django.http import HttpResponse
```

```
def home(request):
```

```
    return HttpResponse(" Welcome to app3" ) '''
```

- In 'app3/urls.py' create a URL pattern for the view:

```
''' python
```

```
from django.urls import path
```

```
from . import views
```

```
urlpatterns = [ path(' ', views.home, name='home') ]
```

```
'''
```

- In the main 'urls.py' include the URL config for app3 :

```
''' python
```

```
urlpatterns = [
```

```
    path('admin/', admin.site.urls),
```

```
    path('app1/', include('app1.urls')),
```

```
    path('app2/', include('app2.urls')),
```

```
    path('app3/', include('app3.urls')), ]
```

```
'''
```


⑧ Test the Project

- Run the development server :
" bash
python manage.py runserver "
- Open your browser and test each application.
- Visit ' `https://127.0.0.1:8000/app1/` ' to see app1 view
- Visit ' `http://127.0.0.1:8000/app2/` ' to see app2 view
- Visit ' `http://127.0.0.1:8000/app3/` ' to see app3 view

Deliverables:

- ① A Django project with three functional applications.
- ② Each app must have:
 - A `view.py` file with atleast one simple view.
 - A `url.py` file with URL configs for the views.
 - The applications URL's must be registered in the project main `urls.py` file.
- ③ A final working version of the project that can be run locally.

Evaluation Criteria :

- The project is organized into three applications.
- The views and URLs for each application are setup correctly and follow a consistent structure.
- The project is functional, and each application server its view properly when accessed in the browser.

Notes :

- Ensure the naming conventions are consistent
- Maintain proper indentation and formatting in your python files.