1-انشاء بيئة افتراضية وتفعيل هذه البيئة:

```
C:\Users\zak71\Desktop\Azhar adel\labs\lab1>python -m venv djangovenv

C:\Users\zak71\Desktop\Azhar adel\labs\lab1>djangovenv\scripts\activate
```

2-لتنزيل Django

```
(djangovenv) C:\Users\zak71\Desktop\Azhar adel\labs\lab1>pip install django
Requirement already satisfied: django in c:\users\zak71\desktop\azhar adel\labs\lab1\djangovenv\lib\site-packages (5.1)
Requirement already satisfied: asgiref<4,>=3.8.1 in c:\users\zak71\desktop\azhar adel\labs\lab1\djangovenv\lib\site-packages (from django) (3.8.1)
Requirement already satisfied: sqlparse>=0.3.1 in c:\users\zak71\desktop\azhar adel\labs\lab1\djangovenv\lib\site-packages (from django) (0.5.1)
Requirement already satisfied: tzdata in c:\users\zak71\desktop\azhar adel\labs\lab1\djangovenv\lib\site-packages (from django) (2024.1)
```

3-انشاء مشروع جديد

```
(djangovenv) C:\Users\zak71\Desktop\Azhar adel\labs\lab1>django-admin startproject fristproject

(djangovenv) C:\Users\zak71\Desktop\Azhar adel\labs\lab1>fristproject/
'fristproject' is not recognized as an internal or external command,
operable program or batch file.

(djangovenv) C:\Users\zak71\Desktop\Azhar adel\labs\lab1>cd fristproject
```

4- اظهار ملفات المشروع التي تم إنشاؤه

```
06/09/2024  02:02    <DIR>          .
06/09/2024  02:02    <DIR>          ..
06/09/2024  02:02    <DIR>          fristproject
06/09/2024  02:02               690 manage.py
               1 File(s)            690 bytes

 Directory of C:\Users\zak71\Desktop\Azhar adel\labs\lab1\fristproject\fristproject

06/09/2024  02:02    <DIR>          .
06/09/2024  02:02    <DIR>          ..
06/09/2024  02:02               417 asgi.py
06/09/2024  02:02             3,360 settings.py
06/09/2024  02:02               790 urls.py
06/09/2024  02:02               417 wsgi.py
06/09/2024  02:02                 0 __init__.py
               5 File(s)          4,984 bytes

     Total Files Listed:
               6 File(s)          5,674 bytes
               5 Dir(s)  100,642,586,624 bytes free
```

5-تشغيل المشروع

```
(djangovenv) C:\Users\zak71\Desktop\Azhar adel\labs\lab1\fristproject>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, auth, contenttypes, sessions.
Run 'python manage.py migrate' to apply them.
September 06, 2024 - 02:18:33
Django version 5.1, using settings 'fristproject.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

6-انشاء تطبيق جديد

```
(djangovenv) C:\Users\zak71\Desktop\Azhar adel\labs\lab1\fristproject>python manage.py startapp pages

(djangovenv) C:\Users\zak71\Desktop\Azhar adel\labs\lab1\fristproject>dir
```
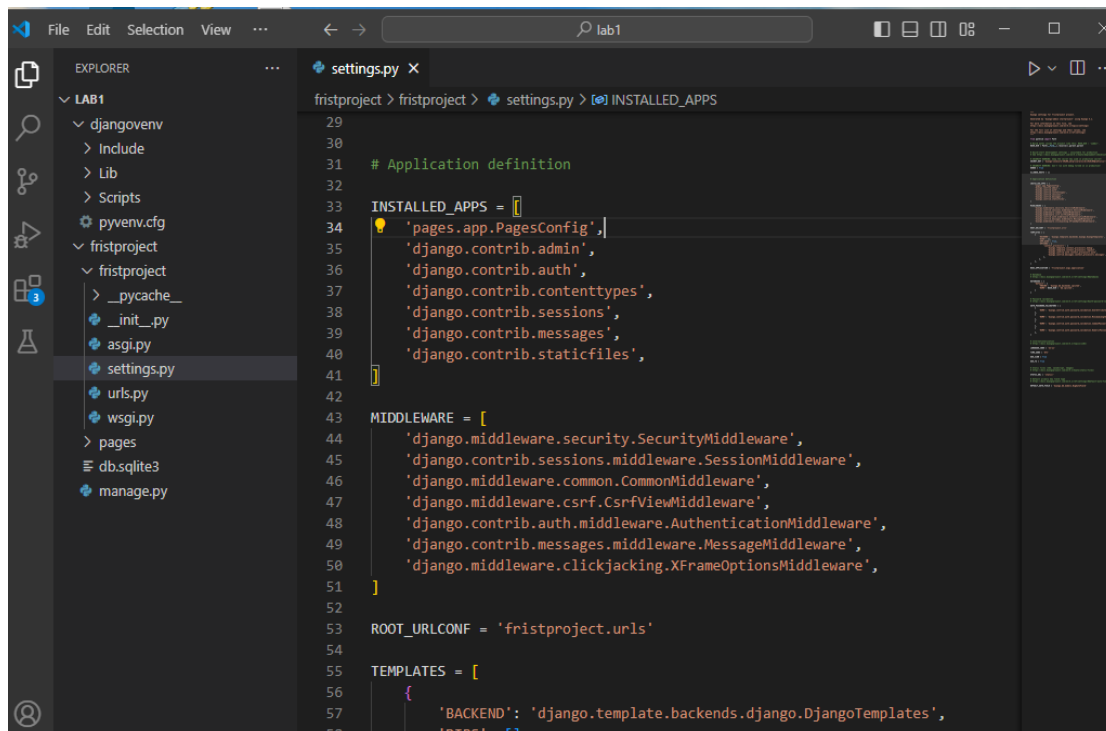
7-هيكل التطبيق الجديد

```
 Directory of C:\Users\zak71\Desktop\Azhar adel\labs\lab1\fristproject

06/09/2024  16:28    <DIR>          .
06/09/2024  16:28    <DIR>          ..
06/09/2024  02:18                 0 db.sqlite3
06/09/2024  02:18    <DIR>          fristproject
06/09/2024  02:02               690 manage.py
06/09/2024  16:28    <DIR>          pages
               2 File(s)            690 bytes
               4 Dir(s)  99,095,810,048 bytes free
```
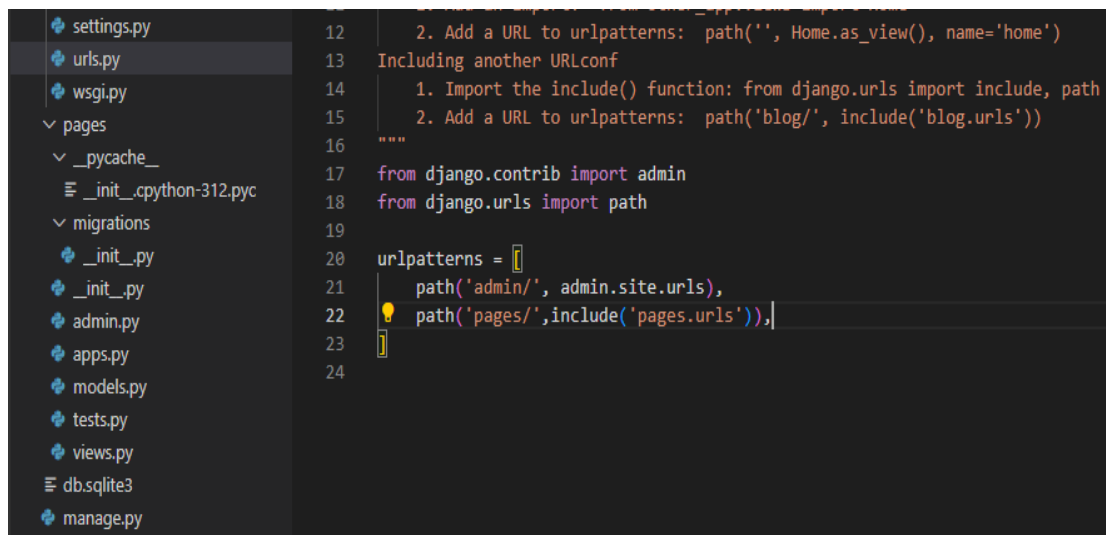
8-اضافه التطبيق الى ملف settings.py ليتم التعرف عليه

9-عمل url urls.py ليتمكن من الوصول اليه

10-عمل ملف خاص بالتطبيق واضافة اول رابط

```
11            1. Add an import:  from other_app.views import Home
12            2. Add a URL to urlpatterns:  path('', Home.as_view(), name='home')
13    Including another URLconf
14            1. Import the include() function: from django.urls import include, path
15            2. Add a URL to urlpatterns:  path('blog/', include('blog.urls'))
16    """
17    from django.contrib import admin
18    from django.urls import path
19    from.import views
20    urlpatterns = [
21        path('admin/', admin.site.urls),
22        path('pages/',include('pages.py')),
23
24        path('',views.index,name="index"),
25    ]
26    |
27
```

11-اول عرض في المشروع باستخدام HttpResponse


```
fristproject > pages > ❖ views.py > ...
1    from django.shortcuts import render
2    from django.http import HttpResponse
3
4
5    # Create your views here.
6    def index(request):
7        return HttpResponse('<h1>HELLO WORD</h1>')
8
```