Republic of Yemen

IBB University

Faculty of Science

Departments of

IT & CS

Software Engineer

الجمهورية اليمنية

جامعة إب

كلية العلوم التطبيقية

قسم : علوم الحاسوب

وتقنية المعلومات
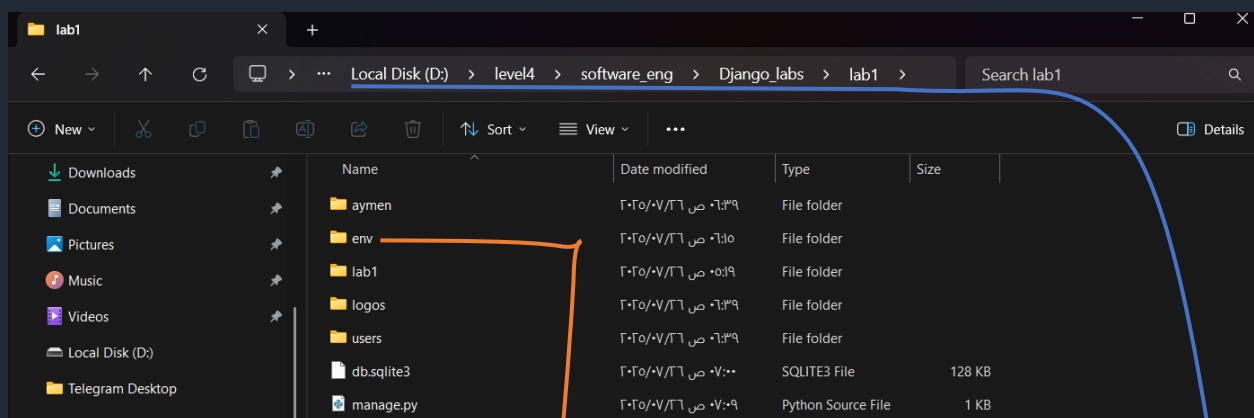
هندسة برمجيات

Lab2

Django framework

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In the first we need crate new project in Django framework

Now create folder project in computer like in the image

البيئة الافتراضية للمشروع والتي ننشئها بهذا الشكل

python -m venv env

نقوم بكتابة هذا الامر في الـ **Termenal** او **Cmd**

ملاحظه يكتب الامر داخل مجلد المشروع

مسار المشروع كما هو موضح

The second

We will be install the methods Django in (env)

pip install Django

after that we will be go to (env)

env\Scripts\activate

the feedback show like this

D:\level4\software_eng\Django_labs\lab1

(env) >

If the user don`t installed the django make like this for installing

(env)pip install Django

Now create the project

django-admin startproject lab1

this command will be create all files in vscode to start working

in the folder lab1 create this folders using the Termenal
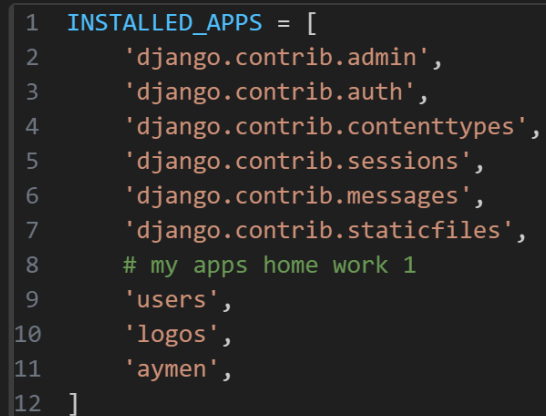
python manage.py startapp aymen

python manage.py startapp logos

python manage.py startapp users

now we will add the app to app-project settings

open the lab1/settings.py in files project

after that add the settings

```
1   INSTALLED_APPS = [
2       'django.contrib.admin',
3       'django.contrib.auth',
4       'django.contrib.contenttypes',
5       'django.contrib.sessions',
6       'django.contrib.messages',
7       'django.contrib.staticfiles',
8       # my apps home work 1
9       'users',
10      'logos',
11      'aymen',
12  ]
```

Now create urls.py files for every one apps

```
1
2
3   from django.urls import path
4   from . import views
5
6   urlpatterns = [
7       path('', views.index, name=
    'logos-home'),
8   ]
9
```

```
1
2   from django.urls import path
3   from . import views
4
5   urlpatterns = [
6       path('', views.index, name=
    'aymen-home'),
7   ]
8
```

```
1
2   from django.urls import path
3   from . import views
4
5   urlpatterns = [
6       path('', views.index, name=
    'users-home'),
7   ]
8
```

Now add the code in files views for all app

```
1   from django.shortcuts import render
2
3   # Create your views here.
4   from django.http import HttpResponse
5
6   def index(request):
7       return HttpResponse(
    "<h1>الصفحة الأولى - users</h1
8   >"
```

```
1   from django.shortcuts import render
2
3   # Create your views here.
4
5   from django.http import HttpResponse
6
7   def index(request):
8       return HttpResponse(
    "صفحة logos صفحة شثالة ")
9
```

```
1   from django.shortcuts import render
2   # Create your views here.
3   from django.http import HttpResponse
4
5   def index(request):
6       return HttpResponse(
    " شثالة ayemn صفحة")
7
```

And add this code urls

Now open this directory

Lab1/urls.py

```python
"""
URL configuration for lab1 project.

The `urlpatterns` list routes URLs to views. For more information please see:
    https://docs.djangoproject.com/en/5.2/topics/http/urls/
Examples:
Function views
    1. Add an import:  from my_app import views
    2. Add a URL to urlpatterns:  path('', views.home, name='home')
Class-based views
    1. Add an import:  from other_app.views import Home
    2. Add a URL to urlpatterns:  path('', Home.as_view(), name='home')
Including another URLconf
    1. Import the include() function: from django.urls import include, path
    2. Add a URL to urlpatterns:  path('blog/', include('blog.urls'))
"""
from django.contrib import admin
from django.urls import path
#from django.conf import settings
from django.contrib import admin
from django.urls import path, include


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

After that you have the end step write this command to run the server

python manage.py runserver

```
D:\level4\software_eng\Django_labs\lab1
(env) λ python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
July 26, 2025 - 08:17:55
Django version 5.2.4, using settings 'lab1.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.

WARNING: This is a development server. Do not use it in a production setting. Use a production WSGI or ASGI server instead.
For more information on production servers see: https://docs.djangoproject.com/en/5.2/howto/deployment/
```

Click in this IP to go for

you will be look the web site and all your apps