

Description.... here

Pre-lab Preparation:

1. Do this
2. Do this

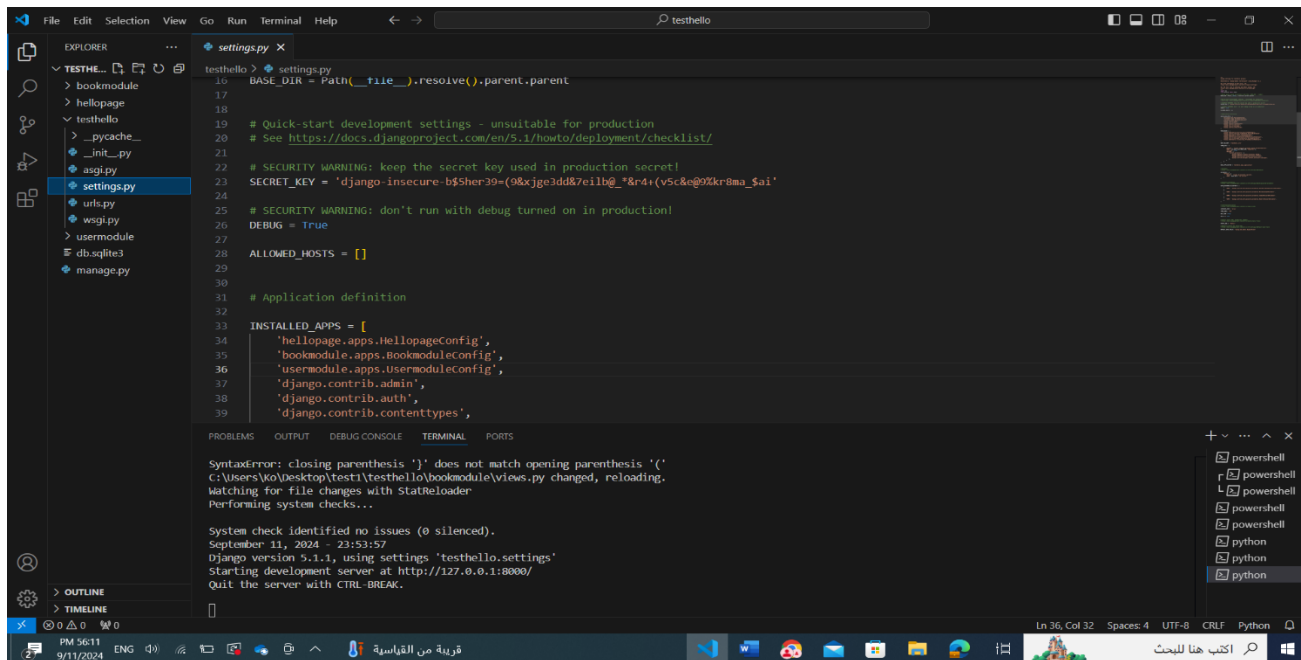
Lab Activities:

Part 1: Define patterns globally (core/urls.py) and specifically for each app/module

Task 1: what is here

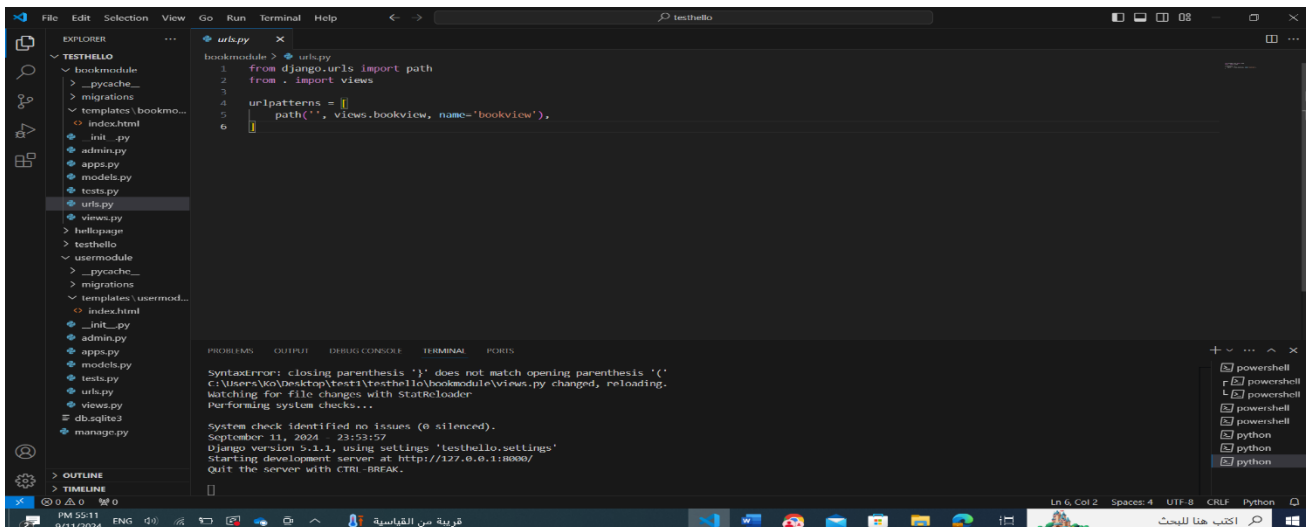
Step 1: what to do step-wise

we create two apps then we write in setting this



```
testhello > settings.py
16 BASE_DIR = Path(__file__).resolve().parent.parent
17
18 # Quick-start development settings - unsuitable for production
19 # See https://docs.djangoproject.com/en/5.1/howto/deployment/checklist/
20
21 # SECURITY WARNING: keep the secret key used in production secret!
22 SECRET_KEY = 'django-insecure-b$her39-(0&xjge1dd87e1lb_*&r4+(v5c8&q92kr8ma_sai'
23
24 # SECURITY WARNING: don't run with debug turned on in production!
25 DEBUG = True
26
27 ALLOWED_HOSTS = []
28
29 # Application definition
30
31 INSTALLED_APPS = [
32     'django.contrib.admin',
33     'django.contrib.auth',
34     'django.contrib.contenttypes',
35     'django.contrib.sessions',
36     'django.contrib.messages',
37     'django.contrib.staticfiles',
38     'hellopage.apps.HellopageConfig',
39     'bookmodule.apps.BookmoduleConfig',
40     'usermodule.apps.UsermoduleConfig',
41 ]
```

Then we create urls.py for each apps and we write in urls that patterns



```
bookmodule > urls.py
1 from django.urls import path
2 from . import views
3
4 urlpatterns = [
5     path('', views.bookview, name='bookview'),
6 ]
```

```

1 from django.urls import path
2 from . import views
3
4 urlpatterns = [
5     path('', views.userview, name='userview'),
6 ]

```

SyntaxError: closing parenthesis ')' does not match opening parenthesis '('
C:\Users\ko\Desktop\test1\testhello\bookmodule\views.py changed, reloading.
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
September 11, 2024 - 23:53:57
Django version 5.1.1, using settings 'testhello.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.

Then we write the path for each app in setting

```

7 Function views
8 1. Add an import: from my_app import views
9 2. Add a URL to urlpatterns: path('', views.home, name='home')
10 Class-based views
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,include
19
20 urlpatterns = [
21     path('admin/', admin.site.urls),
22     # path('',include('helloworld.urls')),
23     path('',include('bookmodule.urls')),
24     path('',include('usermodule.urls')),
25 ]
26

```

SyntaxError: closing parenthesis ')' does not match opening parenthesis '('
C:\Users\ko\Desktop\test1\testhello\bookmodule\views.py changed, reloading.
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Quit the server with CTRL-BREAK.

Part 2: Define action functions in views.py to handle requests

Task 1: what is here

Step 1: what to do step-wise

We write in view.py for each app function

The screenshot shows the VS Code editor with the `views.py` file open in the `bookmodule` directory. The code defines a `bookview` function that takes a `request` object and returns a rendered template `bookmodule/index.html` with the context `{'name': 'BH'}`. The terminal at the bottom shows the output of running `python manage.py runserver`, indicating that the development server is running at `http://127.0.0.1:8000/` and that a GET request has been received.

```

1 from django.shortcuts import render
2
3 # Create your views here.
4
5
6 def bookview(request):
7     return render(request, 'bookmodule/index.html', {'name': 'BH'})
8

```

```

PS C:\Users\Ko\Desktop\test1\testhello> python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
September 13, 2024 - 15:33:43
Django version 5.1.1, using settings 'testhello.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.

[13/Sep/2024 15:33:48] "GET / HTTP/1.1" 200 44

```

The screenshot shows the VS Code editor with the `views.py` file open in the `usermodule` directory. The code defines a `userview` function that takes a `request` object and returns a rendered template `usermodule/index.html`. The terminal at the bottom shows the output of running `python manage.py runserver`, indicating that the development server is running at `http://127.0.0.1:8000/` and that a GET request has been received.

```

1 from django.shortcuts import render
2
3 # Create your views here.
4
5
6 def userview(request):
7     return render(request, 'usermodule/index.html')

```

```

PS C:\Users\Ko\Desktop\test1\testhello> python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
September 13, 2024 - 15:33:43
Django version 5.1.1, using settings 'testhello.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.

[13/Sep/2024 15:33:48] "GET / HTTP/1.1" 200 44

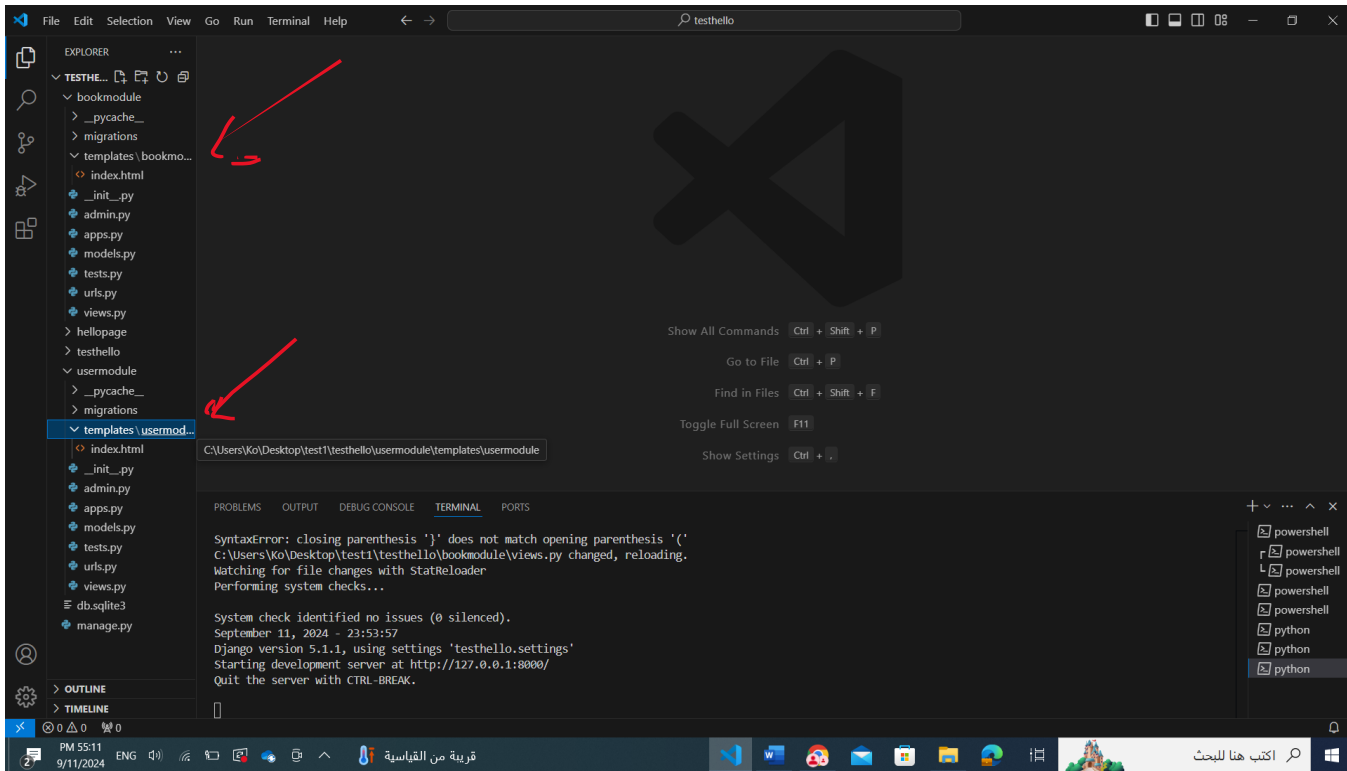
```

Part 3: Create a simple HTML template

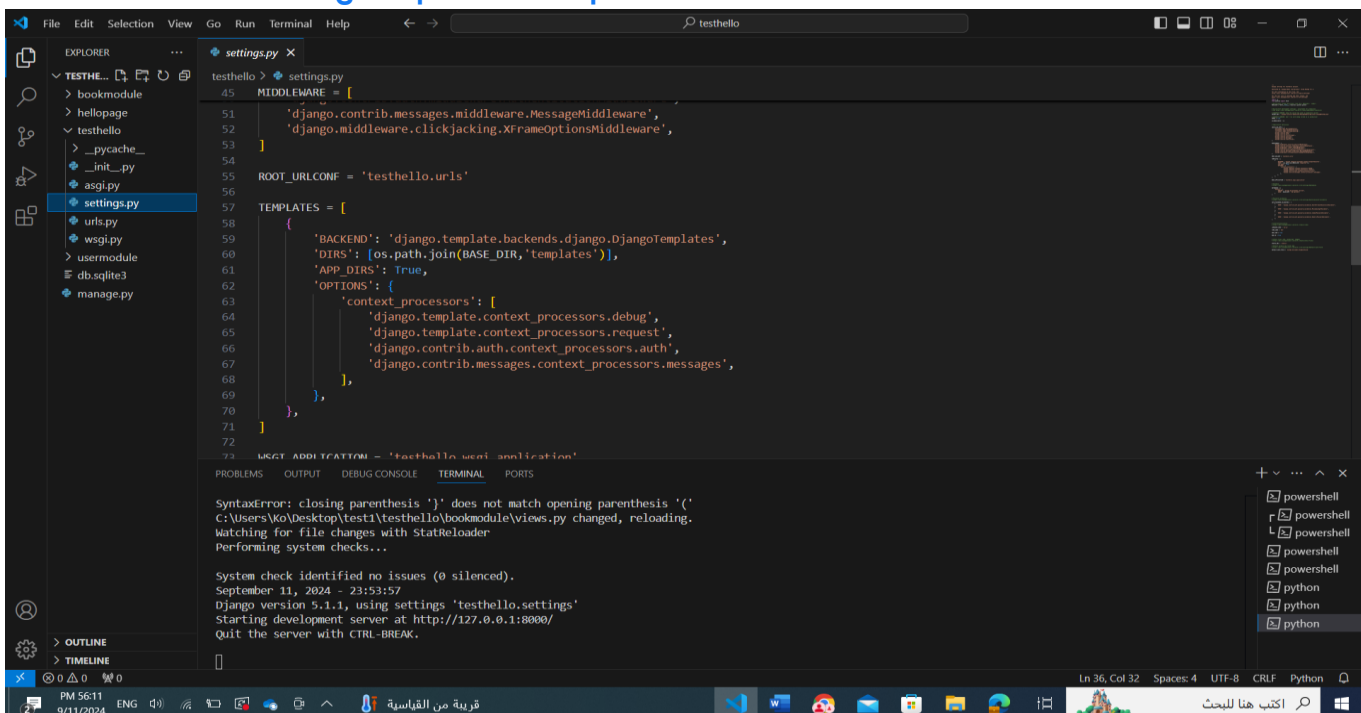
Task 1: what is here

Step 1: what to do step-wise

Then create a template folder for each app



Then we write in setting the path for template

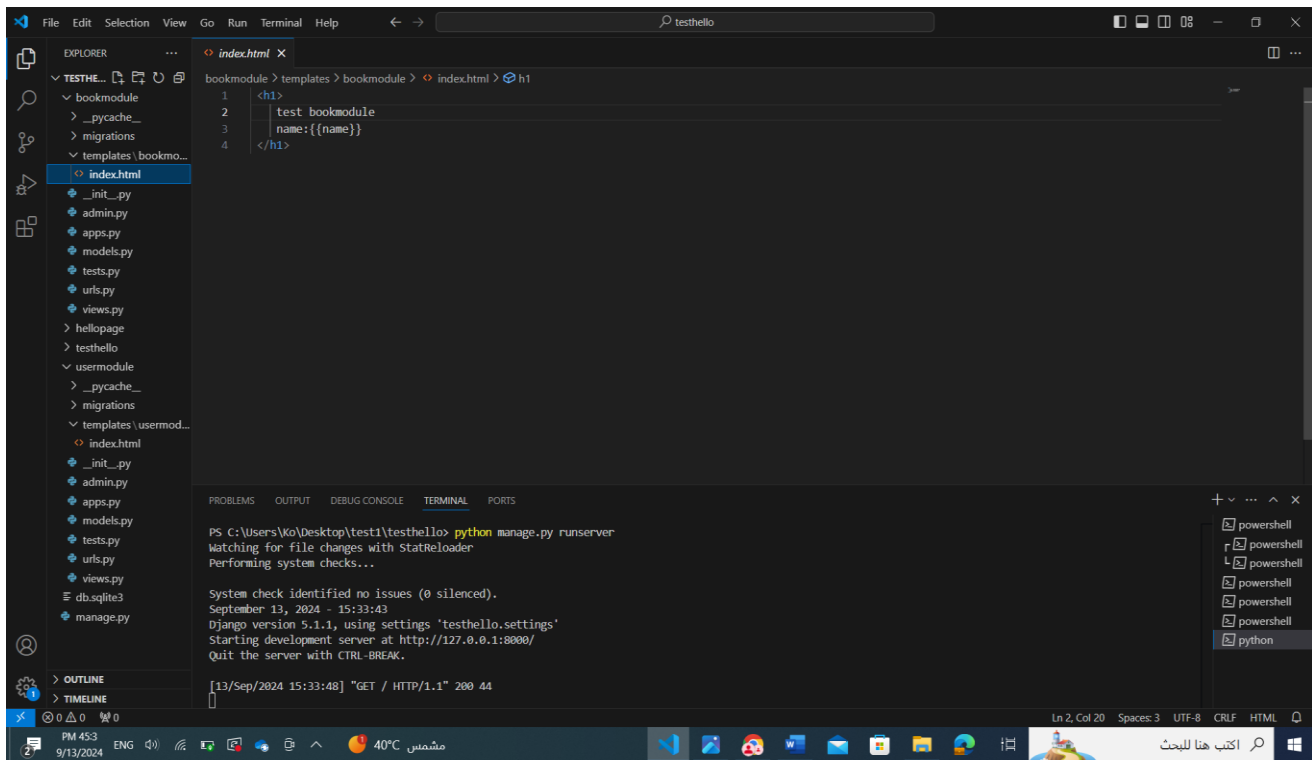


Part 3: Create a simple HTML template that processes a context

Task 1: what is here

Step 1: what to do step-wise

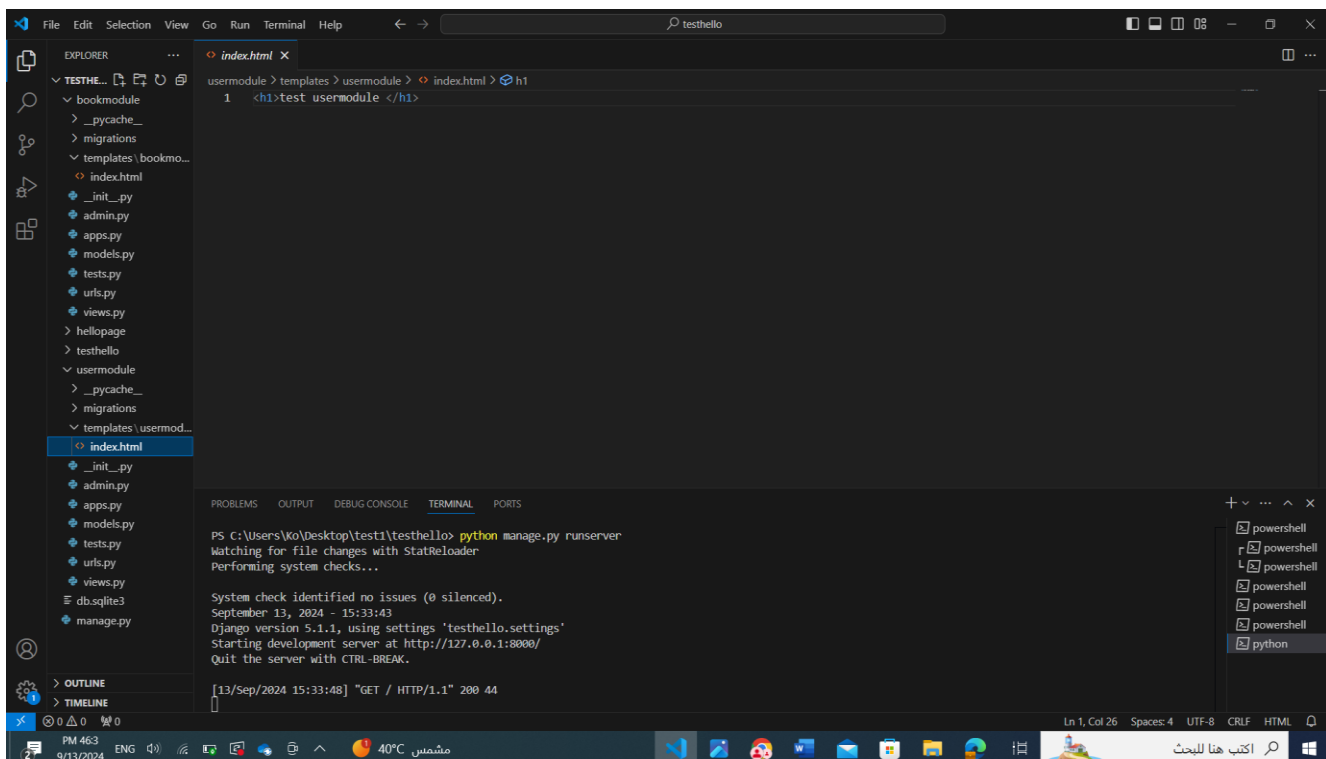
We create the html file in template folder for each app



The screenshot shows the Visual Studio Code interface with the 'testhelo' project open. The Explorer panel on the left shows the file structure, with the 'templates' folder expanded under 'bookmodule'. The 'index.html' file is selected and its content is displayed in the editor:

```
1 <h1>
2   test bookmodule
3   name:{{name}}
4 </h1>
```

The Terminal panel at the bottom shows the output of the command 'python manage.py runserver', indicating that the development server is running successfully at http://127.0.0.1:8000/.



The screenshot shows the Visual Studio Code interface with the 'testhelo' project open. The Explorer panel on the left shows the file structure, with the 'templates' folder expanded under 'usermodule'. The 'index.html' file is selected and its content is displayed in the editor:

```
1 <h1>test usermodule </h1>
```

The Terminal panel at the bottom shows the output of the command 'python manage.py runserver', indicating that the development server is running successfully at http://127.0.0.1:8000/.