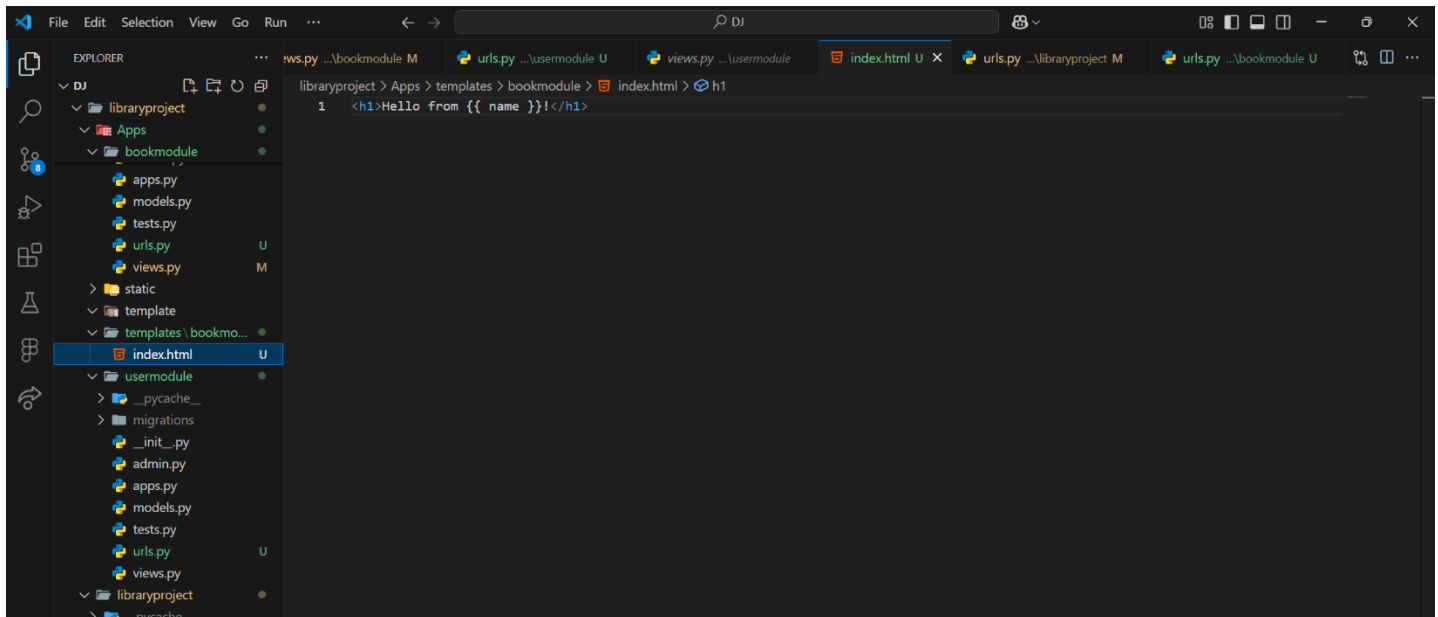


Lab Activities: Build and configure a simple link between a URL and a view (simple pattern), along with a simple HTML

Task 5: Rendering variables in the HTML template that processes a context

Step 1:



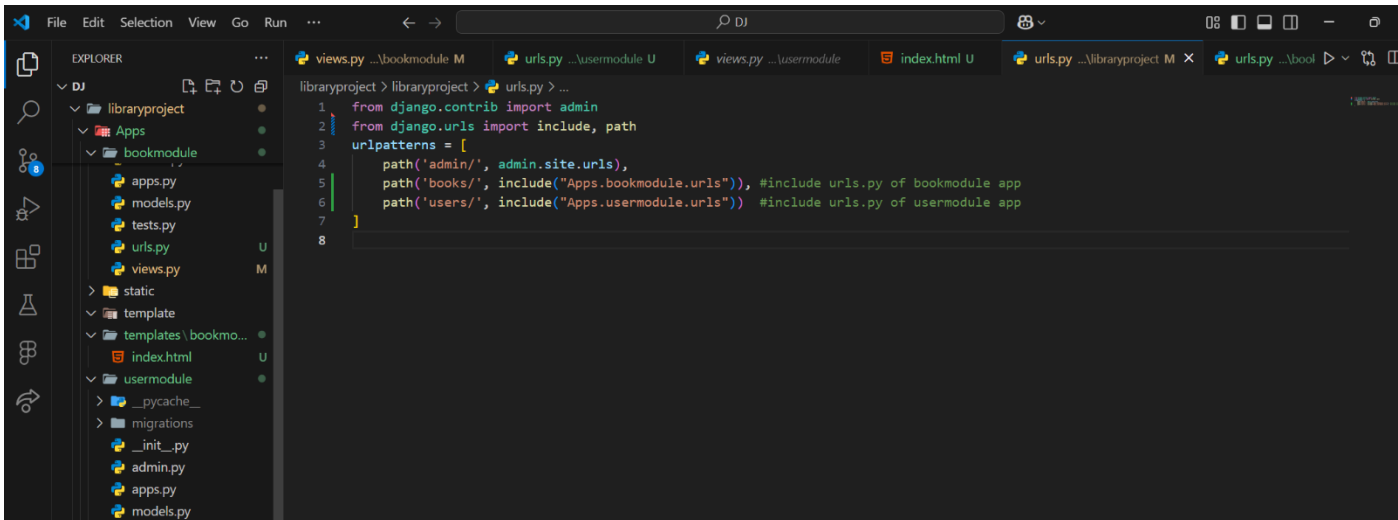
Step 2:

```
libraryproject > Apps > bookmodule > views.py > ...
1  from django.shortcuts import render
2  from django.http import HttpResponse
3
4  def index(request):
5      name = request.GET.get("name") or "world!"
6      return render(request, "bookmodule/index.html", {"name": name}) #your render line
7
```

127.0.0.1:8000/?name=Shahd

Hello from Shahd!

Task 6: Define patterns globally (DjangoProjects/urls.py) with specific urls.py file for each app/module

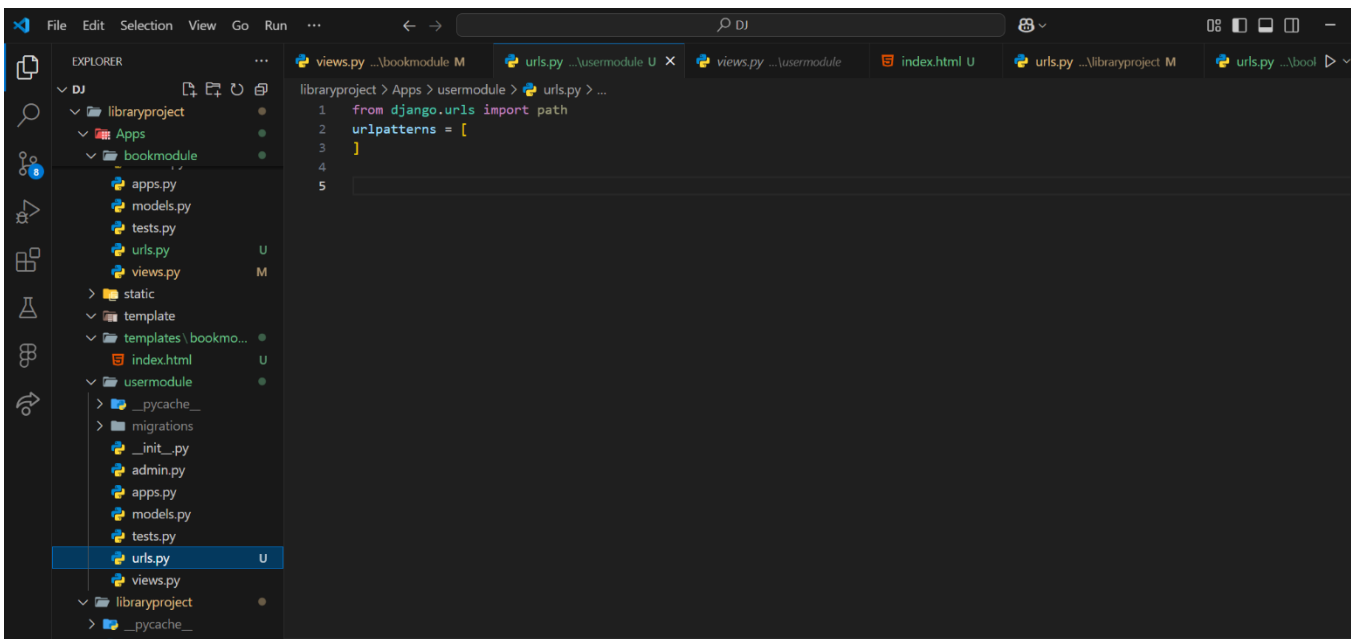


The screenshot shows the VS Code interface with the Explorer panel on the left displaying the project structure. The main editor shows the `libraryproject > libraryproject > urls.py` file. The code defines the global URL patterns for the library project, including the admin site and including the URLs for the 'bookmodule' and 'usermodule' apps.

```

1 from django.contrib import admin
2 from django.urls import include, path
3 urlpatterns = [
4     path('admin/', admin.site.urls),
5     path('books/', include("Apps.bookmodule.urls")), #include urls.py of bookmodule app
6     path('users/', include("Apps.usermodule.urls")) #include urls.py of usermodule app
7 ]
8

```

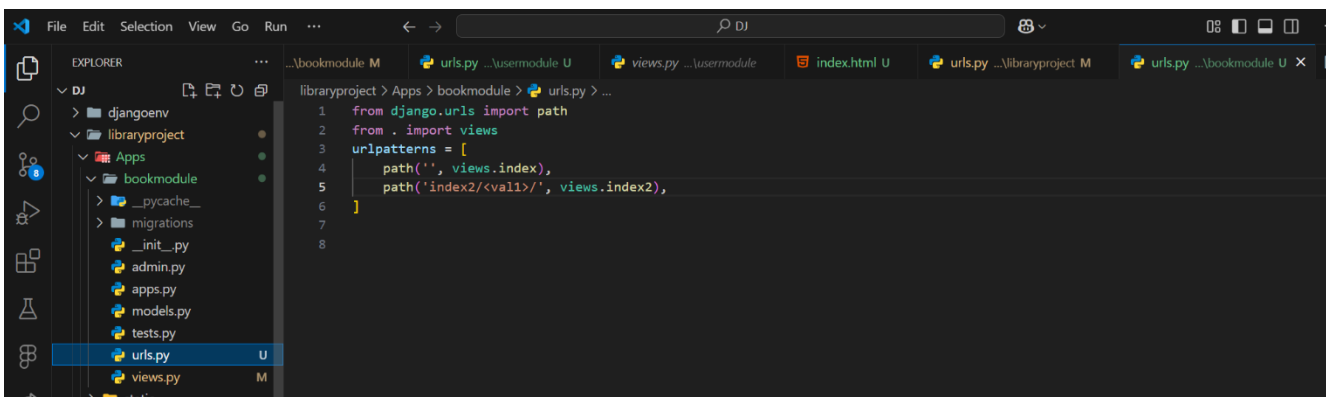


The screenshot shows the VS Code interface with the Explorer panel on the left. The main editor shows the `libraryproject > Apps > usermodule > urls.py` file. The code defines the URL patterns for the 'usermodule' app, including the 'path' function from `django.urls`.

```

1 from django.urls import path
2 urlpatterns = [
3 ]
4
5

```



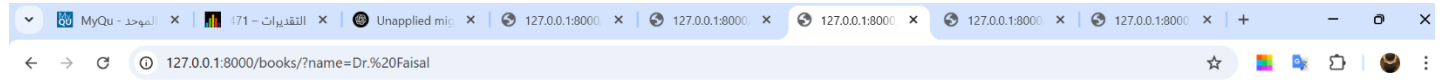
The screenshot shows the VS Code interface with the Explorer panel on the left. The main editor shows the `libraryproject > Apps > bookmodule > urls.py` file. The code defines the URL patterns for the 'bookmodule' app, including the 'path' function from `django.urls` and the 'views' module.

```

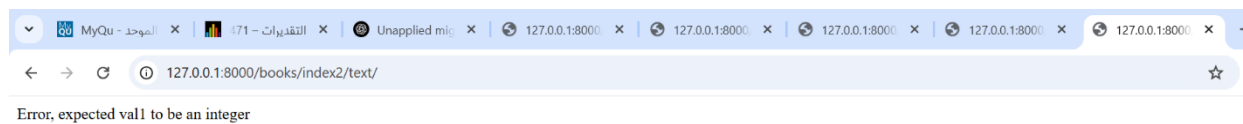
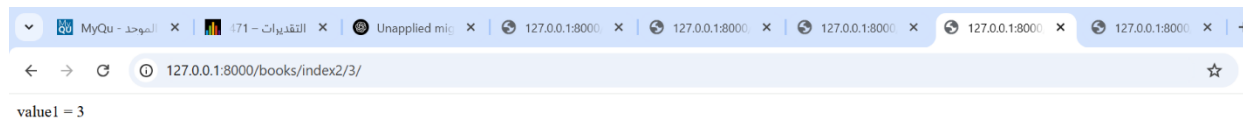
1 from django.urls import path
2 from . import views
3 urlpatterns = [
4     path('', views.index),
5     path('index2/<val1>/', views.index2),
6 ]
7
8

```

Step 3:

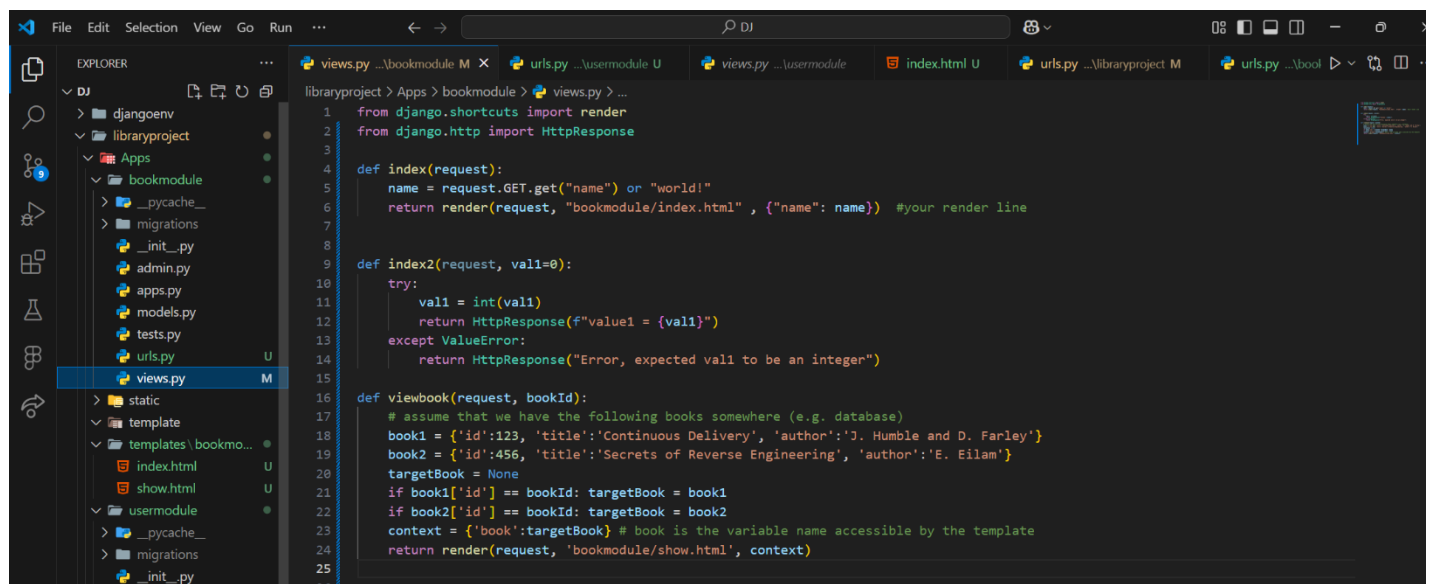


Hello from Dr. Faisal!

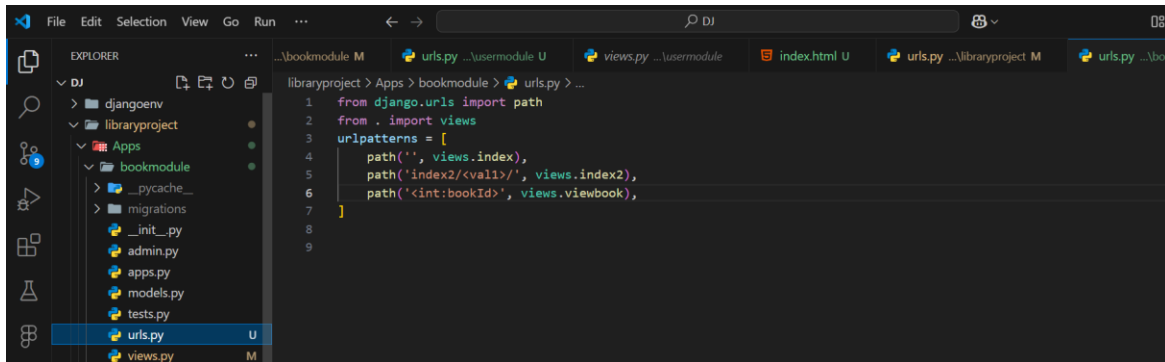


Task7: Create a URL, view, and HTML to display one book details

Step 1:



Step 2:



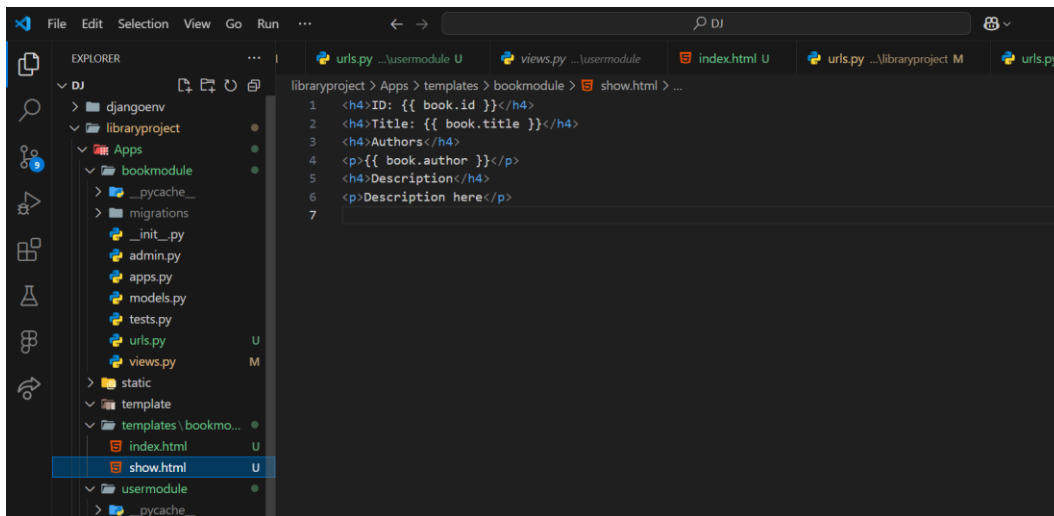
The screenshot shows the VS Code interface with the Explorer panel on the left displaying the project structure. The file explorer shows the following structure:

- DJ
 - djangoenv
 - libraryproject
 - Apps
 - bookmodule
 - __pycache__
 - migrations
 - __init__.py
 - admin.py
 - apps.py
 - models.py
 - tests.py
 - urls.py (selected)
 - views.py

The main editor shows the contents of the selected `urls.py` file:

```
1 from django.urls import path
2 from . import views
3 urlpatterns = [
4     path('', views.index),
5     path('index2/<vall>', views.index2),
6     path('<int:bookId>', views.viewbook),
7 ]
8
9
```

Step 3:

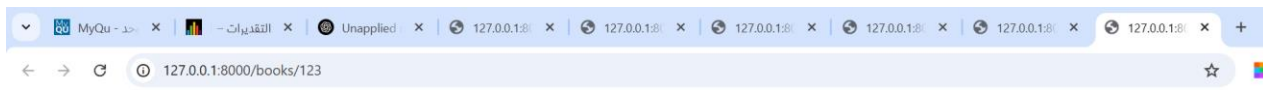


The screenshot shows the VS Code interface with the Explorer panel on the left displaying the project structure. The file explorer shows the following structure:

- DJ
 - djangoenv
 - libraryproject
 - Apps
 - bookmodule
 - __pycache__
 - migrations
 - __init__.py
 - admin.py
 - apps.py
 - models.py
 - tests.py
 - urls.py
 - views.py
 - static
 - template
 - templates
 - bookmo...
 - index.html
 - show.html (selected)
 - usermodule
 - __pycache__

The main editor shows the contents of the selected `show.html` file:

```
1 <h4>ID: {{ book.id }}</h4>
2 <h4>Title: {{ book.title }}</h4>
3 <h4>Authors</h4>
4 <p>{{ book.author }}</p>
5 <h4>Description</h4>
6 <p>Description here</p>
7
```



ID: 123

Title: Continuous Delivery

Authors

J. Humble and D. Farley

Description

Description here