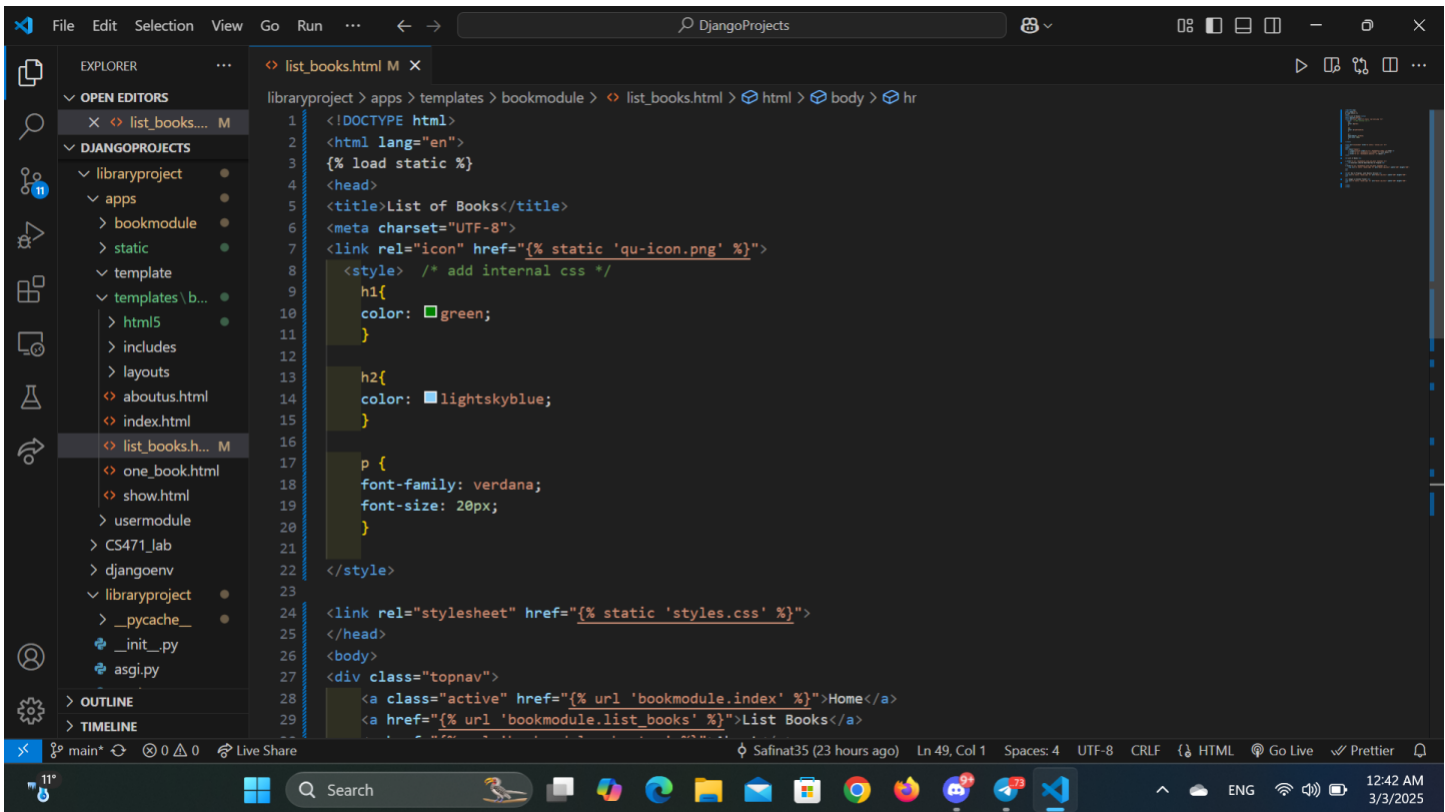
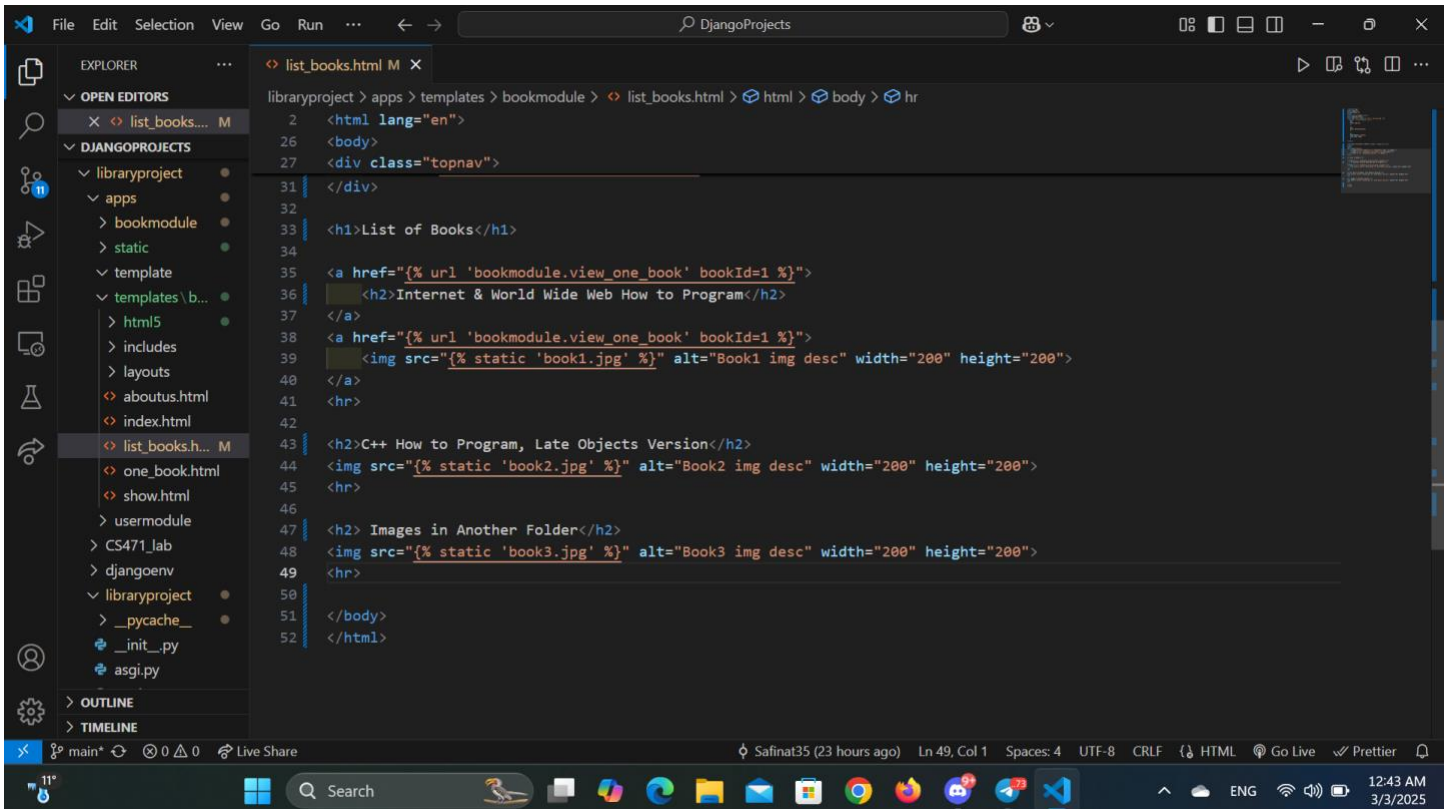


## Task 4: Implementation and management of the previous HTML and static files (e.g. CSS and images) in Django framework.



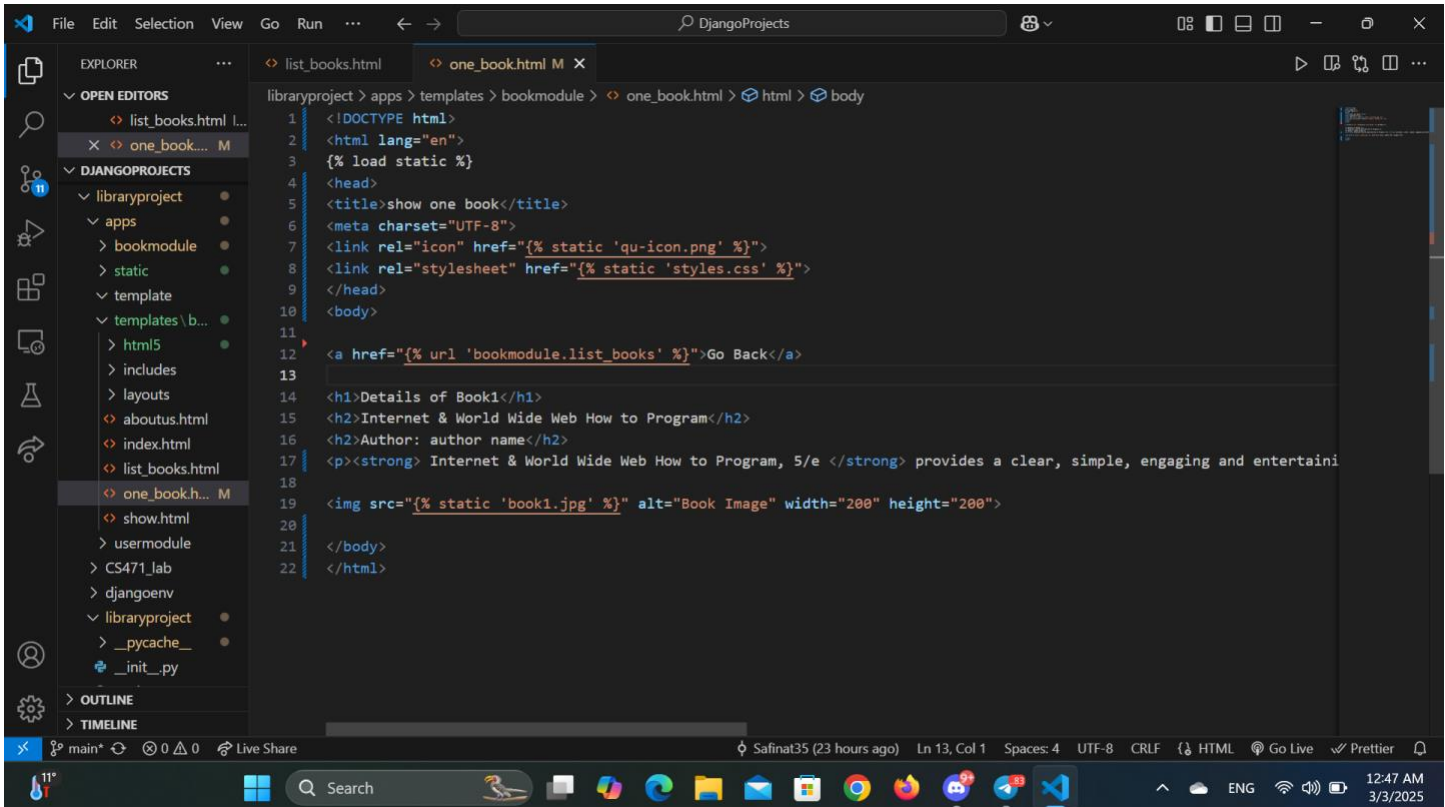
The screenshot shows the VS Code editor with the Django project structure in the Explorer. The file `list_books.html` is open in the editor. The code defines the HTML structure for the 'List of Books' page, including a title, meta charset, a link to a static icon, and internal CSS styles for `h1`, `h2`, and `p` elements. The page also includes a top navigation bar with links to 'Home' and 'List Books'.

```
1 <!DOCTYPE html>
2 <html lang="en">
3 {% load static %}
4 <head>
5 <title>List of Books</title>
6 <meta charset="UTF-8">
7 <link rel="icon" href="{% static 'qu-icon.png' %}">
8 <style> /* add internal css */
9     h1{
10         color: green;
11     }
12     h2{
13         color: lightskyblue;
14     }
15     p {
16         font-family: verdana;
17         font-size: 20px;
18     }
19 </style>
20 <link rel="stylesheet" href="{% static 'styles.css' %}">
21 </head>
22 <body>
23 <div class="topnav">
24     <a class="active" href="{% url 'bookmodule.index' %}">Home</a>
25     <a href="{% url 'bookmodule.list_books' %}">List Books</a>
26 </div>
```

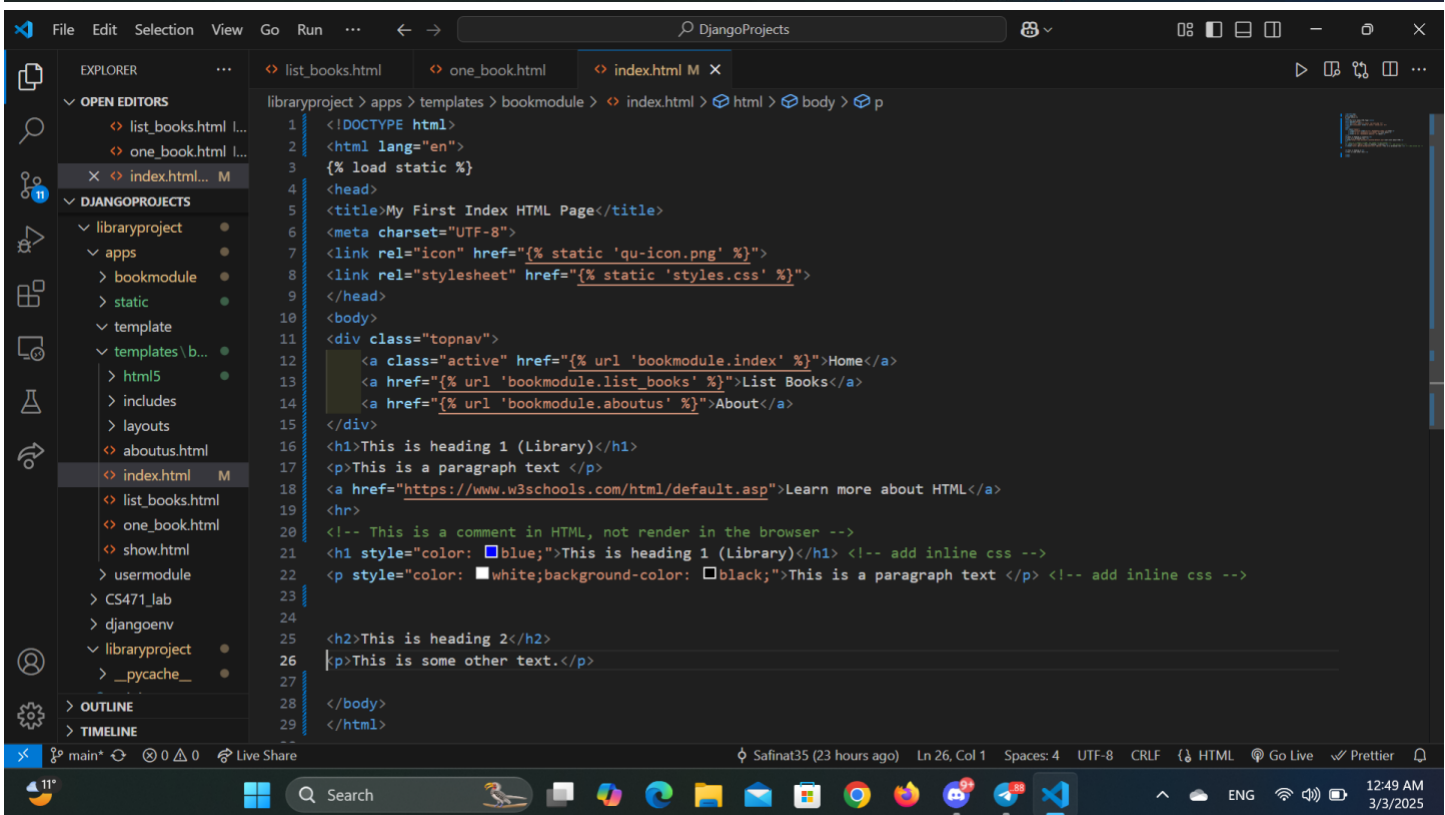


The screenshot shows the VS Code editor with the Django project structure in the Explorer. The file `list_books.html` is open in the editor. The code defines the HTML structure for the 'List of Books' page, including a title, meta charset, a link to a static icon, and internal CSS styles for `h1`, `h2`, and `p` elements. The page also includes a top navigation bar with links to 'Home' and 'List Books'.

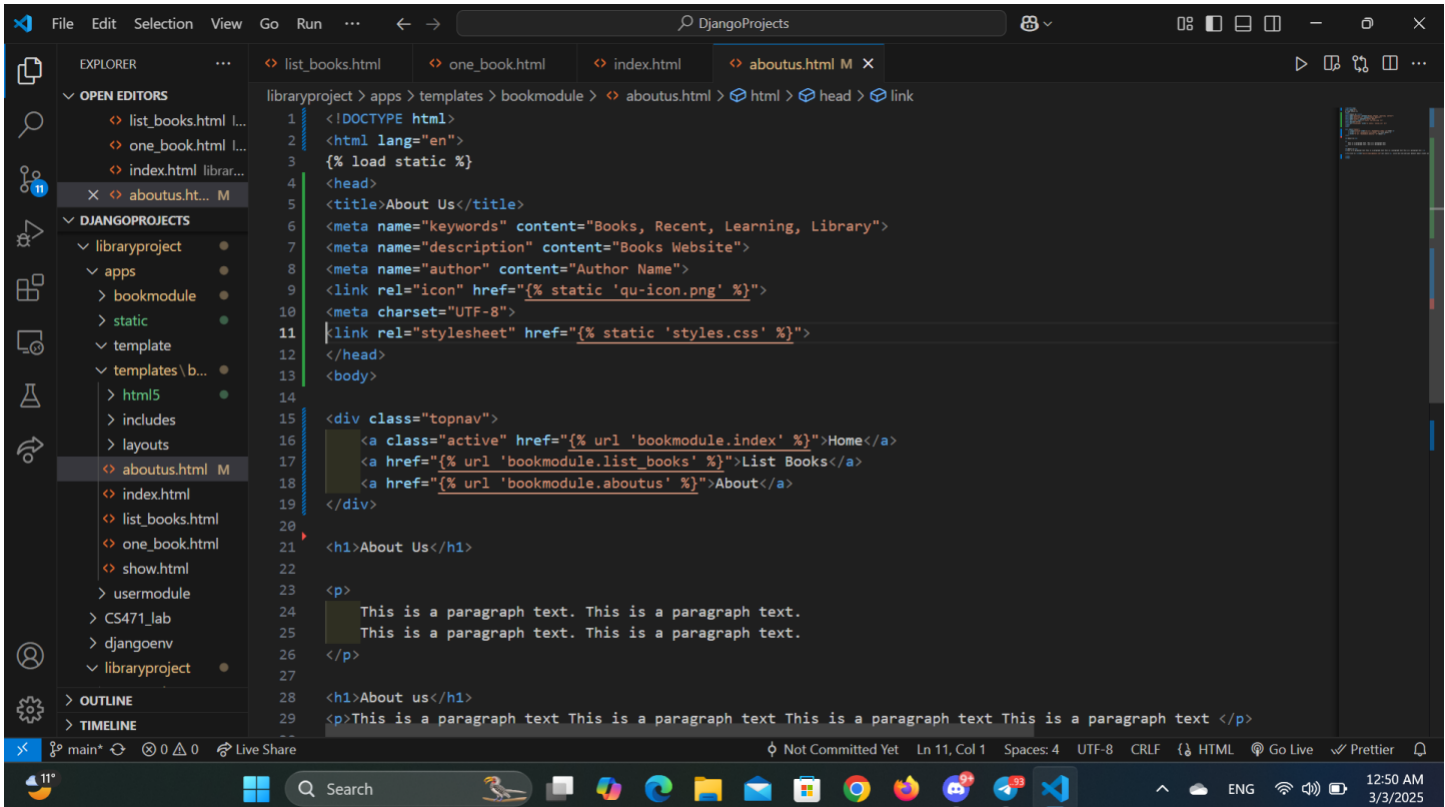
```
2 <html lang="en">
26 <body>
27 <div class="topnav">
31 </div>
32
33 <h1>List of Books</h1>
34
35 <a href="{% url 'bookmodule.view_one_book' bookId=1 %}">
36 <h2>Internet & World Wide Web How to Program</h2>
37 </a>
38 <a href="{% url 'bookmodule.view_one_book' bookId=1 %}">
39 
40 </a>
41 <hr>
42
43 <h2>C++ How to Program, Late Objects Version</h2>
44 
45 <hr>
46
47 <h2>Images in Another Folder</h2>
48 
49 <hr>
50
51 </body>
52 </html>
```



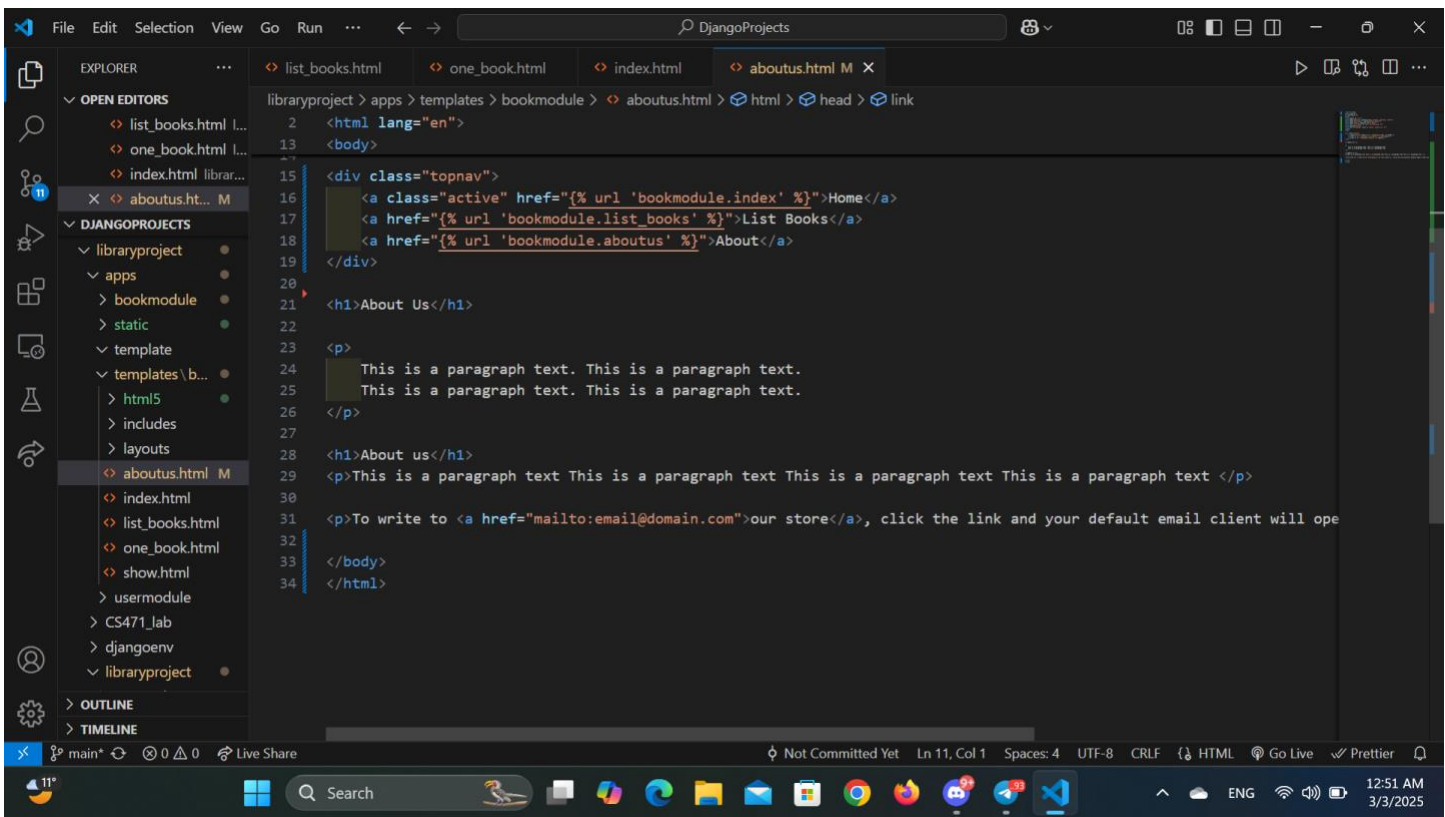
```
1 <!DOCTYPE html>
2 <html lang="en">
3   {% load static %}
4   <head>
5     <title>show one book</title>
6     <meta charset="UTF-8">
7     <link rel="icon" href="{% static 'qu-icon.png' %}">
8     <link rel="stylesheet" href="{% static 'styles.css' %}">
9   </head>
10  <body>
11
12    <a href="{% url 'bookmodule.list_books' %}">Go Back</a>
13
14    <h1>Details of Book1</h1>
15    <h2>Internet & World Wide Web How to Program</h2>
16    <h2>Author: author name</h2>
17    <p><strong> Internet & World Wide Web How to Program, 5/e </strong> provides a clear, simple, engaging and entertaini
18
19    
20
21  </body>
22 </html>
```



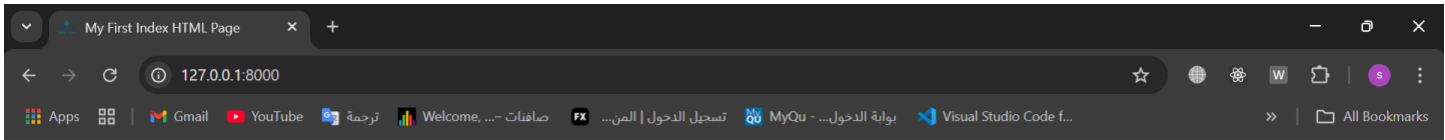
```
1 <!DOCTYPE html>
2 <html lang="en">
3   {% load static %}
4   <head>
5     <title>My First Index HTML Page</title>
6     <meta charset="UTF-8">
7     <link rel="icon" href="{% static 'qu-icon.png' %}">
8     <link rel="stylesheet" href="{% static 'styles.css' %}">
9   </head>
10  <body>
11    <div class="topnav">
12      <a class="active" href="{% url 'bookmodule.index' %}">Home</a>
13      <a href="{% url 'bookmodule.list_books' %}">List Books</a>
14      <a href="{% url 'bookmodule.aboutus' %}">About</a>
15    </div>
16    <h1>This is heading 1 (Library)</h1>
17    <p>This is a paragraph text </p>
18    <a href="https://www.w3schools.com/html/default.asp">Learn more about HTML</a>
19    <hr>
20    <!-- This is a comment in HTML, not render in the browser -->
21    <h1 style="color: blue;">This is heading 1 (Library)</h1> <!-- add inline css -->
22    <p style="color: white;background-color: black;">This is a paragraph text </p> <!-- add inline css -->
23
24
25    <h2>This is heading 2</h2>
26    <p>This is some other text.</p>
27
28  </body>
29 </html>
```



```
1 <!DOCTYPE html>
2 <html lang="en">
3   {% load static %}
4   <head>
5     <title>About Us</title>
6     <meta name="keywords" content="Books, Recent, Learning, Library">
7     <meta name="description" content="Books Website">
8     <meta name="author" content="Author Name">
9     <link rel="icon" href="{% static 'qu-icon.png' %}">
10    <meta charset="UTF-8">
11    <link rel="stylesheet" href="{% static 'styles.css' %}">
12  </head>
13  <body>
14
15    <div class="topnav">
16      <a class="active" href="{% url 'bookmodule.index' %}">Home</a>
17      <a href="{% url 'bookmodule.list_books' %}">List Books</a>
18      <a href="{% url 'bookmodule.aboutus' %}">About</a>
19    </div>
20
21    <h1>About Us</h1>
22
23    <p>
24      This is a paragraph text. This is a paragraph text.
25      This is a paragraph text. This is a paragraph text.
26    </p>
27
28    <h1>About us</h1>
29    <p>This is a paragraph text This is a paragraph text This is a paragraph text This is a paragraph text </p>
```



```
2 <html lang="en">
13 <body>
15
16   <div class="topnav">
17     <a class="active" href="{% url 'bookmodule.index' %}">Home</a>
18     <a href="{% url 'bookmodule.list_books' %}">List Books</a>
19     <a href="{% url 'bookmodule.aboutus' %}">About</a>
20   </div>
21
22   <h1>About Us</h1>
23
24   <p>
25     This is a paragraph text. This is a paragraph text.
26     This is a paragraph text. This is a paragraph text.
27   </p>
28
29   <h1>About us</h1>
30   <p>This is a paragraph text This is a paragraph text This is a paragraph text This is a paragraph text </p>
31
32   <p>To write to <a href="mailto:email@domain.com">our store</a>, click the link and your default email client will ope
33 </body>
34 </html>
```



## This is heading 1 (Library)

This is a paragraph text

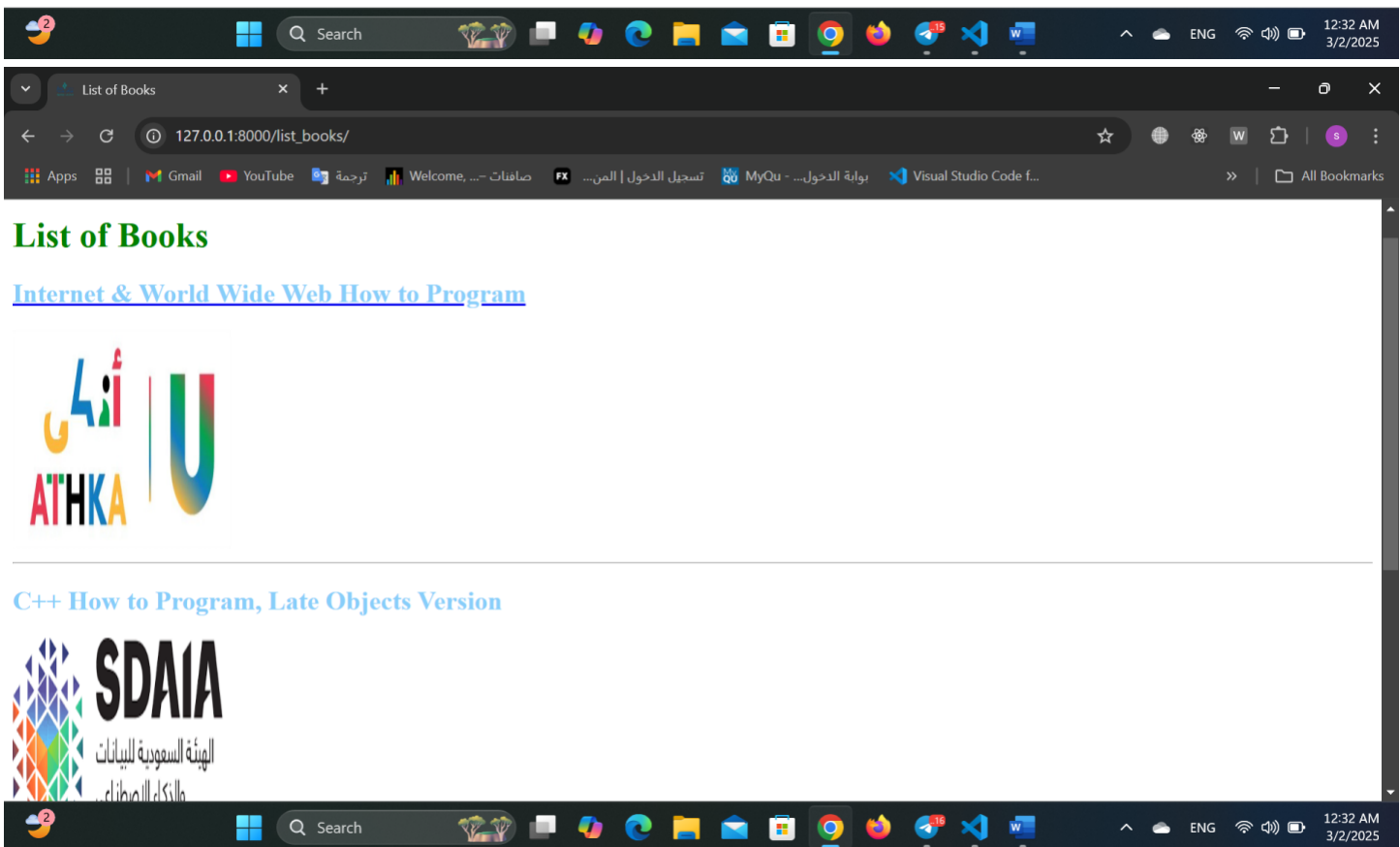
[Learn more about HTML](#)

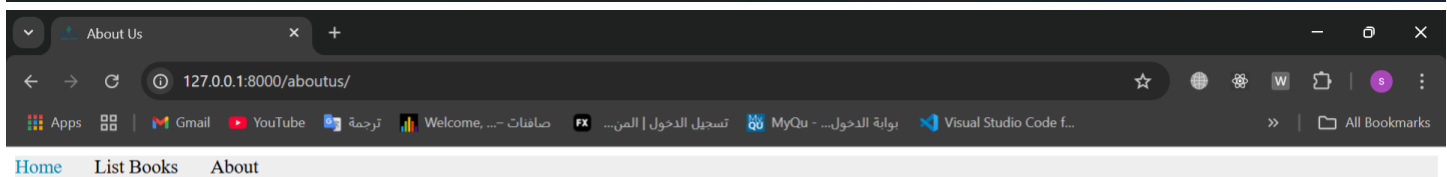
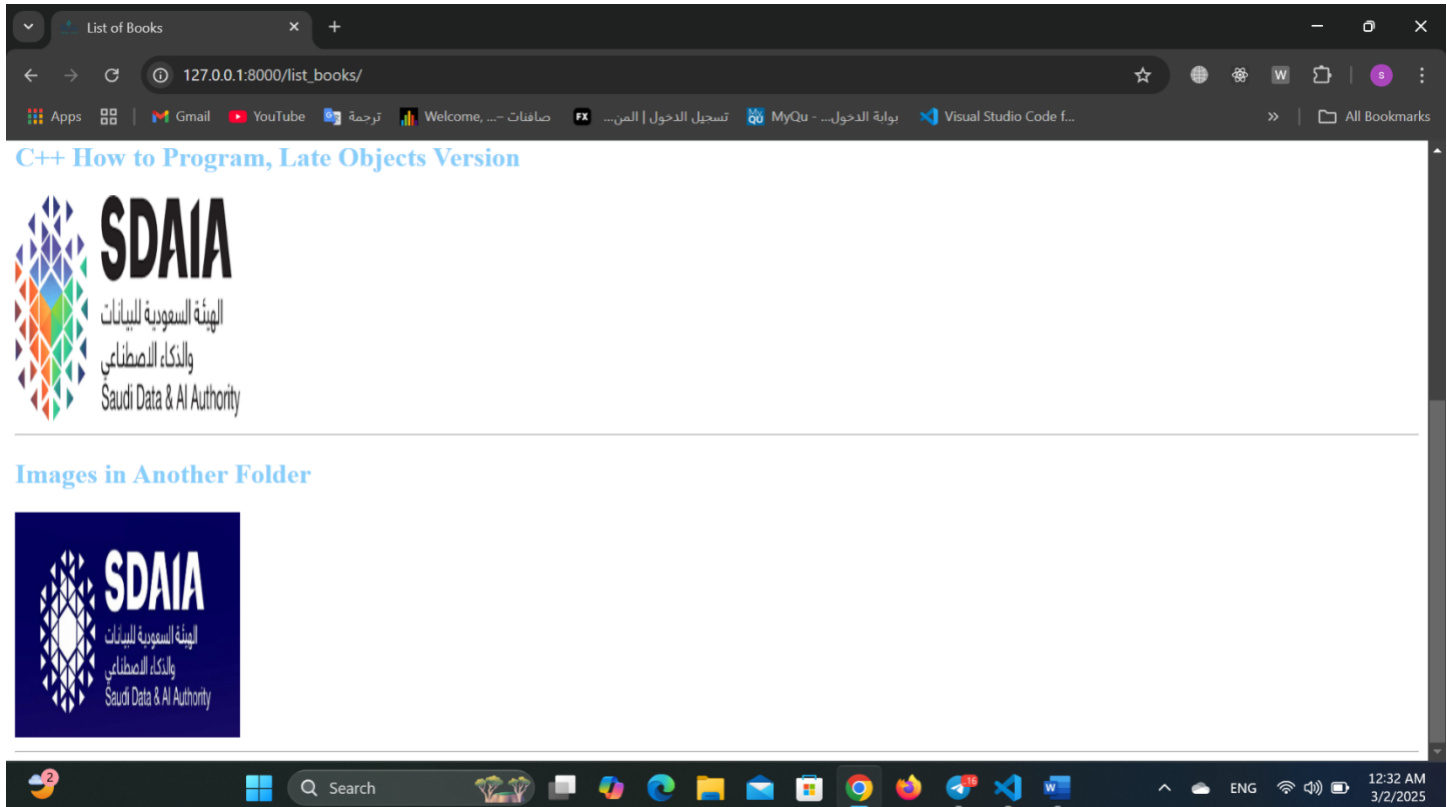
## This is heading 1 (Library)

This is a paragraph text

## This is heading 2

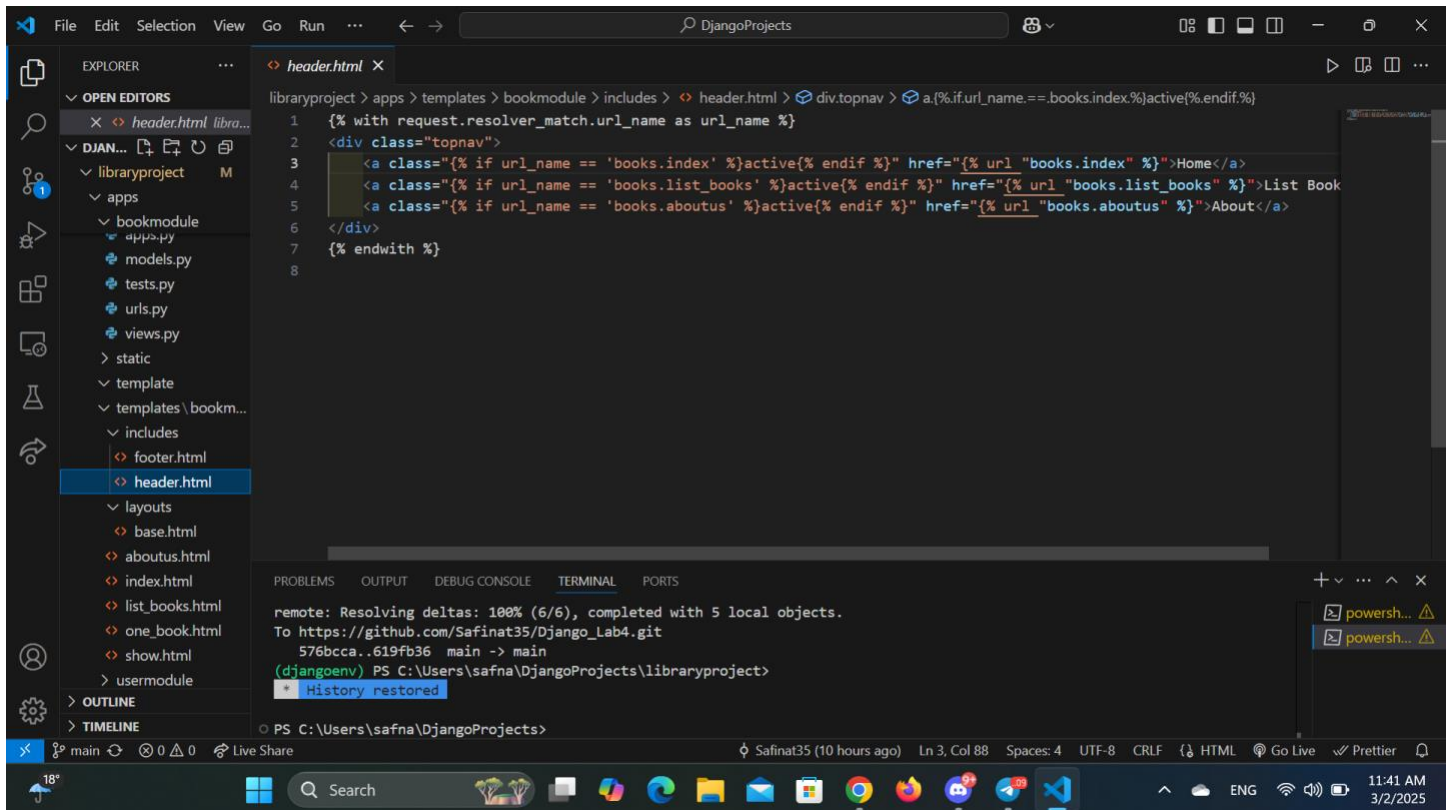
This is some other text.







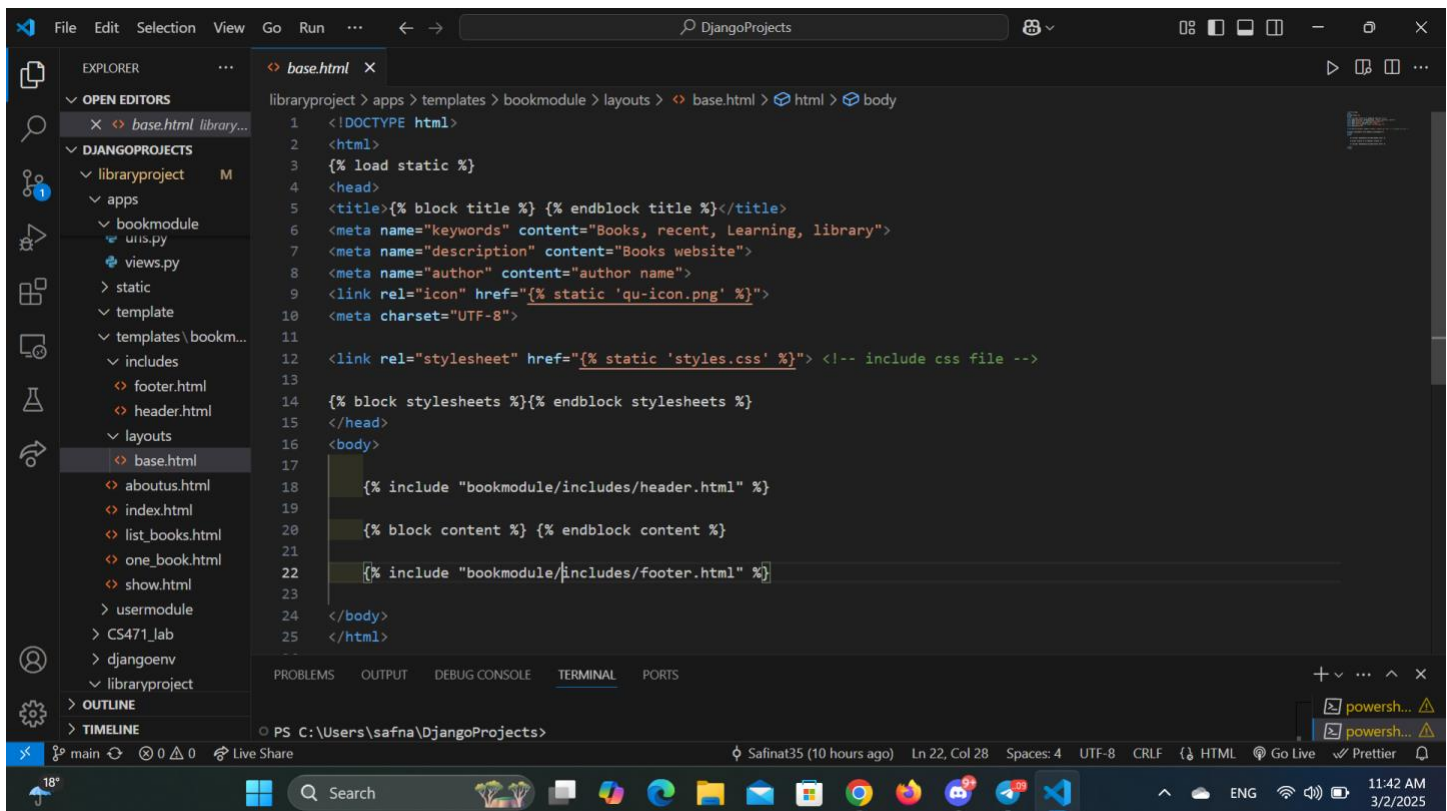
**Task 5: Additional implementation of Django tags to build one layout instead of repeating the layout for every HTML file.**



The screenshot shows the Visual Studio Code editor with the DjangoProjects workspace. The Explorer panel on the left shows the project structure, with the 'includes' folder under 'templates' selected. The 'header.html' file is open in the editor. The code defines a navigation bar with links for Home, List Book, and About, using Django's {% if %} and {% endif %} tags to conditionally display the active link. The terminal at the bottom shows the command prompt for the Django environment, indicating that the project is running successfully.

```
libraryproject > apps > templates > bookmodule > includes > header.html > div.topnav > a.{% if url_name == 'books.index' %}active{% endif %}

1 {% with request.resolver_match.url_name as url_name %}
2 <div class="topnav">
3   <a class="{% if url_name == 'books.index' %}active{% endif %}" href="{% url 'books.index' %}">Home</a>
4   <a class="{% if url_name == 'books.list_books' %}active{% endif %}" href="{% url 'books.list_books' %}">List Book
5   <a class="{% if url_name == 'books.aboutus' %}active{% endif %}" href="{% url 'books.aboutus' %}">About</a>
6 </div>
7 {% endwith %}
8
```



The screenshot shows the Visual Studio Code editor with the DjangoProjects workspace. The Explorer panel on the left shows the project structure, with the 'layouts' folder under 'templates' selected. The 'base.html' file is open in the editor. The code defines a base layout for the application, including the DOCTYPE, html, head, and body tags. It uses Django's {% include %} tag to include the header and footer templates. The terminal at the bottom shows the command prompt for the Django environment, indicating that the project is running successfully.

```
libraryproject > apps > templates > bookmodule > layouts > base.html > html > body

1 <!DOCTYPE html>
2 <html>
3   {% load static %}
4   <head>
5     <title>{% block title %}{% endblock title %}</title>
6     <meta name="keywords" content="Books, recent, Learning, library">
7     <meta name="description" content="Books website">
8     <meta name="author" content="author name">
9     <link rel="icon" href="{% static 'qu-icon.png' %}">
10    <meta charset="UTF-8">
11
12    <link rel="stylesheet" href="{% static 'styles.css' %}"> <!-- include css file -->
13
14    {% block stylesheets %}{% endblock stylesheets %}
15  </head>
16  <body>
17
18    {% include "bookmodule/includes/header.html" %}
19
20    {% block content %}{% endblock content %}
21
22    {% include "bookmodule/includes/footer.html" %}
23
24  </body>
25 </html>
```

```

1 {% extends "bookmodule/layouts/base.html" %}
2
3 {% load static %}
4
5 {% block title %} About Us {% endblock title %}
6
7 {% block content %}
8 <h1>About Us</h1>
9
10 <p>
11 This is a paragraph text. This is a paragraph text.
12 This is a paragraph text. This is a paragraph text.
13 </p>
14
15 <h1>About us</h1>
16 <p>This is a paragraph text This is a paragraph text This is a paragraph text This is a paragraph text </p>
17
18 <p>To write to <a href="mailto:email@domain.com">our store</a>, click the link and your default email client will open
19 {% endblock content %}
  
```

```

1 {% extends "bookmodule/layouts/base.html" %}
2
3 {% load static %}
4
5 {% block title %} My First Index HTML Page {% endblock title %}
6
7 {% block content %}
8 <h1 style="color: blue;">This is heading 1 (Library)</h1> <!-- add inline css -->
9 <p style="color: white;background-color: black;">This is a paragraph text </p> <!-- add inline css -->
10 <a href="https://www.w3schools.com/html/default.asp">Click Here to learn more about HTML & CSS</a>
11 <hr>
12 <!-- This is a comment in HTML, not render in the browser -->
13 <h2>This is heading 2</h2>
14 <p>This is some other text. <br/> with newline <br/> and another line</p>
15 <hr>
16
17 <h2>This is heading 2</h2>
18 <p>This is some other text.</p>
19 {% endblock content %}
20
  
```

The screenshot shows the Visual Studio Code editor with the Django project 'libraryproject' open. The file explorer on the left shows the project structure, with 'list\_books.html' selected under 'templates > bookmodule'. The editor displays the following HTML code:

```

1 {% extends "bookmodule/layouts/base.html" %}
2
3 {% load static %}
4
5 {% block title %} List of Books {% endblock title %}
6
7 {% block content %}
8 <h1 style="color: green;">List of Books</h1>
9
10 <a href="{% url 'bookmodule.view_one_book' bookId=1 %}">
11 <h2 style="color: lightskyblue;">Internet & World Wide Web How to Program</h2>
12 </a>
13 <a href="{% url 'bookmodule.view_one_book' bookId=1 %}">
14 
15 </a>
16 <hr>
17
18 <h2 style="color: lightskyblue;">C++ How to Program, Late Objects Version</h2>
19 
20 <hr>
21
22 <h2 style="color: lightskyblue;">Images in Another Folder</h2>
23 
24 <hr>
25 {% endblock content %}

```

The terminal at the bottom shows the command prompt at 'PS C:\Users\safna\DjangoProjects>'.

The screenshot shows the Visual Studio Code editor with the Django project 'libraryproject' open. The file explorer on the left shows the project structure, with 'one\_book.html' selected under 'templates > bookmodule'. The editor displays the following HTML code:

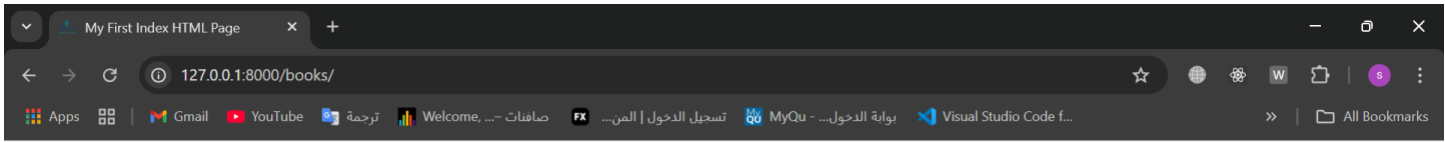
```

1 {% extends "bookmodule/layouts/base.html" %}
2
3 {% load static %}
4
5 {% block title %} Show One Book {% endblock title %}
6
7 {% block content %}
8 <a href="{% url 'bookmodule.list_books' %}">Go Back</a>
9
10 <h1>Details of Book1</h1>
11 <h2>Internet & World Wide Web How to Program</h2>
12 <h2>Author: author name</h2>
13 <p><strong> Internet & World Wide Web How to Program, 5/e </strong> provides a clear, simple, engaging, and entertain
14
15 
16 {% endblock content %}

```

The terminal at the bottom shows the command prompt at 'PS C:\Users\safna\DjangoProjects>'.





Home List Books About

## This is heading 1 (Library)

This is a paragraph text

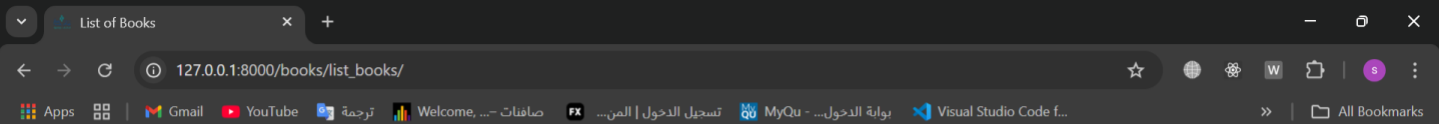
[Click Here to learn more about HTML & CSS](#)

### This is heading 2

This is some other text.  
with newline  
and another line

### This is heading 2

This is some other text.



Home List Books About

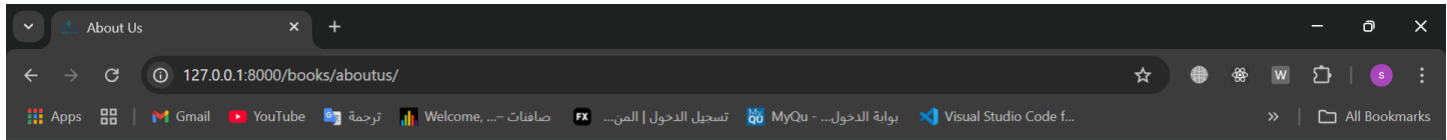
## List of Books

[Internet & World Wide Web How to Program](#)



C++ How to Program, Late Objects Version





Home List Books About

## About Us

This is a paragraph text. This is a paragraph text. This is a paragraph text. This is a paragraph text.

## About us

This is a paragraph text This is a paragraph text This is a paragraph text This is a paragraph text

To write to [our store](#), click the link and your default email client will open an email message and address it to us.

