Part1

goenv   ☰ db.sqlite3 ...\libraryproject U   ⬢ urls.py M   ⬢ views.py R   ◇ list_books.html M ✕   ◇ book_statistics.html U   ◇ books_under_5

djangoenv › djangoprojects › apps › templates › bookmodule › ◇ list_books.html

```
 1
 2    {% extends 'bookmodule/layouts/base.html' %}
 3    {% extends 'bookmodule/includes/header.html' %}
 4    {% load static %}
 5
 6
 7    <head>
 8      <style>
 9        /* add internal css */
10        h1 { color: green; }
11        h2 { color: lightskyblue; }
12        p { font-family: verdana; font-size: 20px; }
13      </style>
14      <link rel="stylesheet" href="{% static 'styles.css' %}">
15      {% block title %} List of Books {% endblock title %}
16      <link rel="icon" href="{% static 'qu-icon.png' %}">
17    </head>
18    <body>
19    {% block content %}
20
21    <h2>Books</h2>
22    <ul>
23      {% for book in books %}
24        <li>{{ book.title }} - {{ book.author }} - ${{ book.price }} - <a href="{% url 'edit_book' book.id %}">Edit</a> - <a
25      {% endfor %}
26    </ul>
27    <a href="{% url 'add_book' %}">Add Book</a>
28
29    <h1>List of Books</h1>
30    <a href="{% url 'book_detail' 123 %}"> Book 1</a>
31    <a href="{% url 'book_detail' 1 %}"><h2>Internet & World Wide Web How to Program</h2></a>
32    <a href="{% url 'book_detail' 1 %}"><img src="{% static 'book1.jpg' %}" alt="Book1 img desc" width="200" height="200">
33      <hr>
34    <a href="{% url 'book_detail' 567 %}"> Book 2</a>
35    <h2>2) C++ How to Program, Late Objects Version</h2>
36    <img src="{% static 'book2.jpg' %}" alt="Book2 img desc" width="200" height="200">
37      <hr>
```

Browser (127.0.0.1:5500/dja...):

{% extends 'bookmodule/layouts/base.html %} {% extends 'bookmodule/includes/header.html %} {% load static %} {% block title %} List of Books {% endblock title %} {% block content %}

Books

- {{ book.title }} - {{ book.author }} - ${{ book.price }} - Edit - Delete
{% endfor %}

Add Book

List of Books

Book 1

Internet & World Wide Web How to Program

Book1 img desc

Book 2

2) C++ How to Program, Late Objects Version

Book2 img desc

EXPLORER   ··· goenv   ☰ db.sqlite3 ...\libraryproject U   ⬢ urls.py M   ⬢ views.py R   ◇ add_book.html U ✕   ◇ list_books.htm

∨ DJANGO
  ∨ djangoenv
    ∨ djangoprojects
      ∨ apps
        ∨ bookmodule
          ∨ migrations
          ⬢ admin.py   1, R
          ⬢ apps.py   R
          ⬢ tests.py   R
          ⬢ urls.py   M
          ⬢ views.py   R
          › static
        ∨ templates
          ∨ bookmodule
            › html5
            › includes
            › layouts
            ◇ aboutus.html   A
            ◇ add_book.html   U
            ◇ book_statistics... U
            ◇ book.html   A
            ◇ bookList.html   U
            ◇ books_ordere...   U
            ◇ books_under_...   U
            ◇ books_with_q...   U
            ◇ books_without... U
            ◇ books.html   A
            ◇ index.html   A
            ◇ list_books.html   M
            ◇ one_book.html   A
            ◇ search.html   A

djangoenv › djangoprojects › apps › templates › bookmodule › ◇ add_book.html

```
 1    {% extends 'base.html' %}
 2
 3    {% block content %}
 4      <h2>Add Book</h2>
 5      <form method="POST" action="{% url 'add_book' %}">
 6        {% csrf_token %}
 7        <label for="title">Title:</label>
 8        <input type="text" name="title" id="title" required>
 9        <br>
10        <label for="author">Author:</label>
11        <input type="text" name="author" id="author" required>
12        <br>
13        <label for="price">Price:</label>
14        <input type="number" name="price" id="price" step="0.01" required>
15        <br>
16        <input type="submit" value="Add Book">
17      </form>
18    {% endblock %}
19
```

Browser:

{% extends 'base.html' %} {% block content %}

Add Book

{% csrf_token %} Title: [happy day]
Author: [tom ghady]
Price: [٢٢.٦٩]
[Add Book]

{% endblock %}

EXPLORER   ··· goenv   ☰ db.sqlite3 ...\libraryproject U   ⬢ urls.py M   ⬢ views.py R   ◇ add_book.html U   ◇ edit_book.html U

∨ DJANGO
  ∨ djangoenv
    ∨ djangoprojects
      ∨ apps
        ∨ templates
          ∨ bookmod...
            › includes
            › layouts
            ◇ aboutus...   A
            ◇ add_boo...   U
            ◇ book_stat... U
            ◇ book.html   A
            ◇ bookList...   U
            ◇ books_or...   U
            ◇ books_un...   U
            ◇ books_wi...   U
            ◇ books_wi...   U
            ◇ books.html   A
            ◇ edit_boo...   U
            ◇ index.html   A
            ◇ list_book... M
            ◇ one_book...   A
            ◇ search.html   A
            ◇ show.html   A
            ◇ student_c... U
        › usermodule
      › usermodule
      ⬢ manage.py   U
    ∨ libraryproject
      › __pycache__
      ⬢ __init__.py   U

djangoenv › djangoprojects › apps › templates › bookmodule › ◇ edit_book.html

```
 1    {% extends 'base.html' %}
 2
 3    {% block content %}
 4      <h2>Edit Book</h2>
 5      <form method="POST" action="{% url 'edit_book' book.id %}">
 6        {% csrf_token %}
 7        <label for="title">Title:</label>
 8        <input type="text" name="title" id="title" value="{{ book.title }}" required>
 9        <br>
10        <label for="author">Author:</label>
11        <input type="text" name="author" id="author" value="{{ book.author }}" required>
12        <br>
13        <label for="price">Price:</label>
14        <input type="number" name="price" id="price" value="{{ book.price }}" step="0.01" required>
15        <br>
16        <input type="submit" value="Save Changes">
17      </form>
18    {% endblock %}
```

Browser:

{% extends 'base.html' %} {% block content %}

Edit Book

{% csrf_token %} Title: [hi who are U]
Author: [{{ book.author }}]
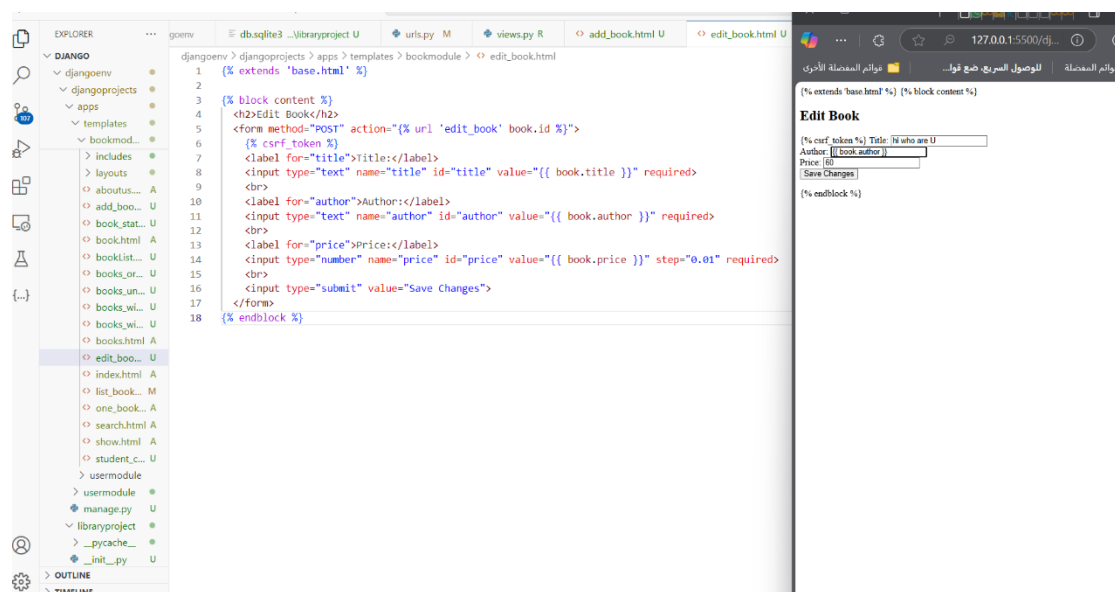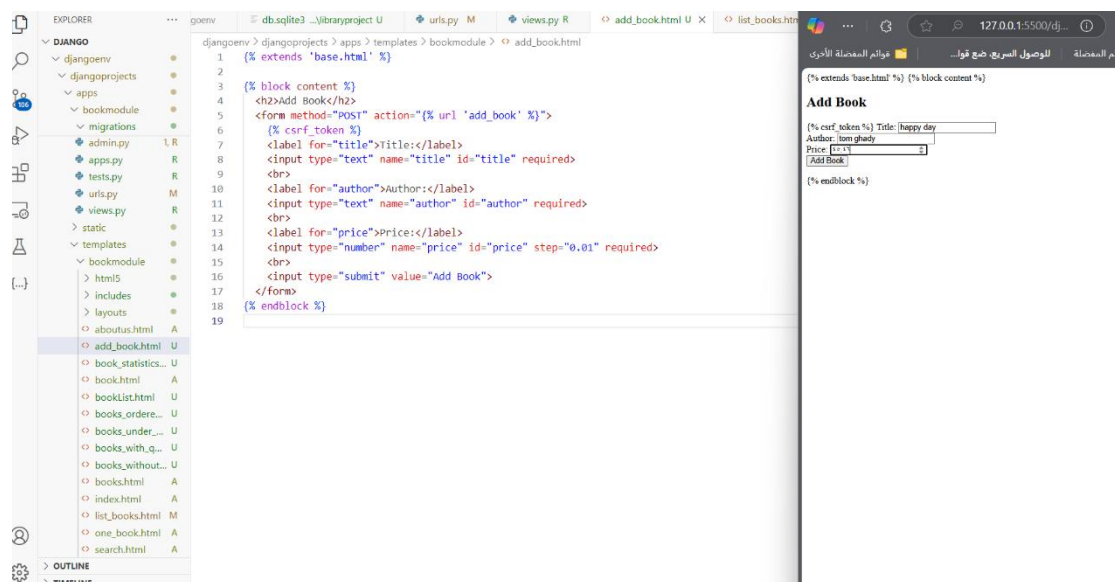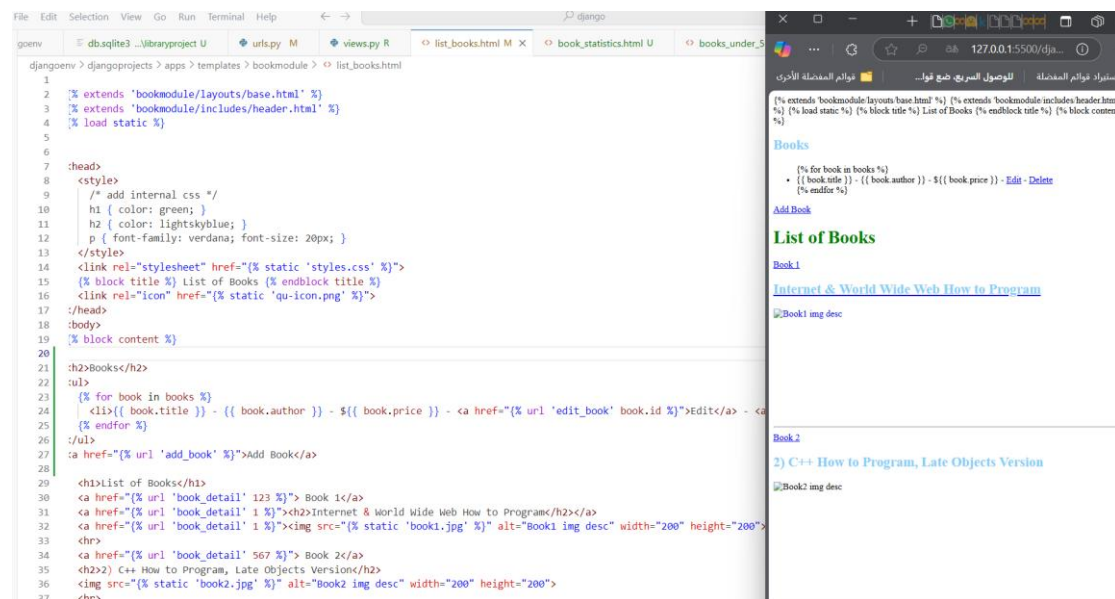Price: [60]
[Save Changes]

{% endblock %}

```
34    path('search/', views.search, name='books.search'),
35    path('lab9_part1/listbooks/', views.list_books, name='list_books'),
36    path('lab9_part1/addbook/', views.add_book, name='add_book'),
37    path('lab9_part1/editbook/<int:id>/', views.edit_book, name='edit_book'),
38    path('lab9_part1/deletebook/<int:id>/', views.delete_book, name='delete_book'),
39    ]
```

```
181  def add_book(request):
182      if request.method == 'POST':
183          title = request.POST['title']
184          author = request.POST['author']
185          price = request.POST['price']
186          book = Book(title=title, author=author, price=price)
187          book.save()
188          return redirect('list_books')
189      else:
190          return render(request, 'book/add_book.html')
191
     Codeium: Refactor | Explain | Generate Docstring | X
192  def edit_book(request, id):
193      book = get_object_or_404(Book, id=id)
194      if request.method == 'POST':
195          book.title = request.POST['title']
196          book.author = request.POST['author']
197          book.price = request.POST['price']
198          book.save()
199          return redirect('list_books')
200      else:
201          return render(request, 'book/edit_book.html', {'book': book})
202
     Codeium: Refactor | Explain | Generate Docstring | X
203  def delete_book(request, id):
204      book = get_object_or_404(Book, id=id)
205      book.delete()
206      return redirect('list_books')
207
```

Part2


```
djangoenv > djangoprojects > apps > templates > bookmodule > <> edit_book.html
1    {% comment %}
2    {% extends 'base.html' %}
3    {% block content %}
4      <h2>Edit Book</h2>
5      <form method="POST" action="{% url 'edit_book' book.id %}">
6        {% csrf_token %}
7        <label for="title">Title:</label>
8        <input type="text" name="title" id="title" value="{{ book.title }}" required>
9        <br>
10       <label for="author">Author:</label>
11       <input type="text" name="author" id="author" value="{{ book.author }}" required>
12       <br>
13       <label for="price">Price:</label>
14       <input type="number" name="price" id="price" value="{{ book.price }}" step="0.01" required>
15       <br>
16       <input type="submit" value="Save Changes">
17     </form>
18   {% endblock %} {% endcomment %}
19
20   {% extends 'base.html' %}
21
22   {% block content %}
23     <h2>Edit Book</h2>
24     <form method="POST" action="{% url 'edit_book' book.id %}">
25       {% csrf_token %}
26       {{ form.as_p }}
27       <input type="submit" value="Save Changes">
28     </form>
29   {% endblock %}
```



```
djangoenv > djangoprojects > apps > templates > bookmodule > <> add_book.html
1    {% comment %}
2    {% extends 'base.html' %}
3    {% block content %}
4      <h2>Add Book</h2>
5      <form method="POST" action="{% url 'add_book' %}">
6        {% csrf_token %}
7        <label for="title">Title:</label>
8        <input type="text" name="title" id="title" required>
9        <br>
10       <label for="author">Author:</label>
11       <input type="text" name="author" id="author" required>
12       <br>
13       <label for="price">Price:</label>
14       <input type="number" name="price" id="price" step="0.01" required>
15       <br>
16       <input type="submit" value="Add Book">
17     </form>
18   {% endblock %}  {% endcomment %}
19
20   {% extends 'base.html' %}
21
22   {% block content %}
23     <h2>Add Book</h2>
24     <form method="POST" action="{% url 'add_book' %}">
25       {% csrf_token %}
26       {{ form.as_p }}
27       <input type="submit" value="Add Book">
28     </form>
29   {% endblock %}
```
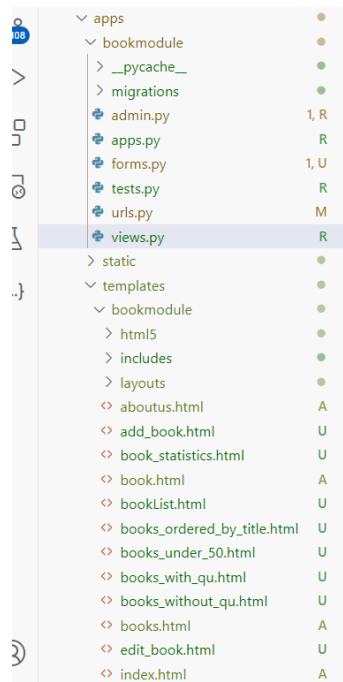
```python
209
     Codeium: Refactor | Explain | Generate Docstring | ✕
210  def add_book(request):
211      if request.method == 'POST':
212          form = BookForm(request.POST)
213          if form.is_valid():
214              form.save()
215              return redirect('list_books')
216      else:
217          form = BookForm()
218      return render(request, 'book/add_book.html', {'form': form})
219
     Codeium: Refactor | Explain | Generate Docstring | ✕
220  def edit_book(request, id):
221      book = get_object_or_404(Book, id=id)
222      if request.method == 'POST':
223          form = BookForm(request.POST, instance=book)
224          if form.is_valid():
225              form.save()
226              return redirect('list_books')
227      else:
228          form = BookForm(instance=book)
229      return render(request, 'book/edit_book.html', {'form': form})
230
     Codeium: Refactor | Explain | Generate Docstring | ✕
231  def delete_book(request, id):
232      book = get_object_or_404(Book, id=id)
233      book.delete()
234      return redirect('list_books')
235
```

```python
38      path('lab9_part1/deletebook/<int:id>/', views.delete_book, name='delete_book'),
39      path('lab9_part2/listbooks/', views.list_books, name='list_books'),
40      path('lab9_part2/addbook/', views.add_book, name='add_book'),
41      path('lab9_part2/editbook/<int:id>/', views.edit_book, name='edit_book'),
42      path('lab9_part2/deletebook/<int:id>/', views.delete_book, name='delete_book'),
43  ]
```