

WPL LAB 6

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Q1. Develop a simple web page to perform basic arithmetic operations. Take two integer inputs from the user, select the operation to be performed using a dropdown. Include a button “Calculate” to perform the selected operation, and then display the result in the same web page.

Views.py

The screenshot shows the VS Code interface with the 'views.py' file open in the editor. The code defines a 'calculator' function that handles POST requests. It extracts 'num1' and 'num2' from the request, performs the specified arithmetic operation (add, subtract, multiply, or divide), and returns the result. The terminal below shows the server running command:

```
(.venv) VI_WPL_A1@cs1-11:~/lab/college/Web Programming Lab/week6/q1$ python manage.py runserver
```

The terminal also displays a warning about using a development server in production and logs several incoming HTTP requests.

```
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/  
[11/Feb/2026 09:05:29] "GET / HTTP/1.1" 200 1192  
[11/Feb/2026 09:05:34] "POST / HTTP/1.1" 200 1249  
[11/Feb/2026 09:05:38] "POST / HTTP/1.1" 200 1249  
[11/Feb/2026 09:05:41] "POST / HTTP/1.1" 200 1250  
[11/Feb/2026 09:05:50] "POST / HTTP/1.1" 200 1251  
[11/Feb/2026 09:05:58] "POST / HTTP/1.1" 200 1251  
[11/Feb/2026 09:06:03] "POST / HTTP/1.1" 200 1252
```

Urls.py

The screenshot shows a Django project structure in the Explorer view and a code editor with `urls.py` open. The terminal window shows the command `python manage.py runserver` being run.

Project Structure:

- q1
- .venv
- main
- _pycache_
- migrations
- templates
 - calculator.html
- __init__.py
- admin.py
- apps.py
- models.py
- tests.py
- views.py
- q1
- _pycache_
- __init__.py
- asgi.py
- settings.py
- urls.py
- wsgi.py

urls.py Content:

```
q1 > urls.py > ...
1 """
2 URL configuration for q1 project.
3
4 The `urlpatterns` list routes URLs to views. For more information please see:
5     https://docs.djangoproject.com/en/5.2/topics/http/urls/
6 Examples:
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
19 from main.views import calculator
20
21 urlpatterns = [
22     path('admin/', admin.site.urls),
23     path('', calculator, name='calculator')
24 ]
```

Terminal Output:

```
(.venv) VI_WPL_A1@cs1-11:~/lab/college/Web Programming Lab/week6/q1$ python manage.py runserver
Quit the server with CONTROL-C.

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/
[11/Feb/2026 09:05:29] "GET / HTTP/1.1" 200 1192
[11/Feb/2026 09:05:34] "POST / HTTP/1.1" 200 1249
[11/Feb/2026 09:05:38] "POST / HTTP/1.1" 200 1249
[11/Feb/2026 09:05:41] "POST / HTTP/1.1" 200 1250
[11/Feb/2026 09:05:50] "POST / HTTP/1.1" 200 1251
[11/Feb/2026 09:05:58] "POST / HTTP/1.1" 200 1251
[11/Feb/2026 09:06:03] "POST / HTTP/1.1" 200 1252
```

Ln 19, Col 34 Spaces: 4 UTF-8 LF {} Python 3.11.2 (.venv)

Settings.py

The screenshot shows a Django project structure in the Explorer sidebar. The project is named 'q1' and contains a 'main' app and a 'q1' app. The 'q1' app has files like __init__.py, urls.py, wsgi.py, and settings.py. The 'main' app has migrations, templates (calculator.html), and models.py. The code editor displays 'settings.py' with the following content:

```
17
18
19 # Quick-start development settings - unsuitable for production
20 # See https://docs.djangoproject.com/en/5.2/howto/deployment/checklist/
21
22 # SECURITY WARNING: keep the secret key used in production secret!
23 SECRET_KEY = 'django-insecure-@bqy75-7*s&s&t(=)ke*arirw6pb@-45*3*e*6(08m0$_0-s$*'
24
25 # SECURITY WARNING: don't run with debug turned on in production!
26 DEBUG = True
27
28 ALLOWED_HOSTS = []
29
30
31 # Application definition
32
33 INSTALLED_APPS = [
34     'main',
35     'django.contrib.admin',
36     'django.contrib.auth',
37     'django.contrib.contenttypes',
38     'django.contrib.sessions',
39     'django.contrib.messages',
40     'django.contrib.staticfiles',
41 ]
42
43 MIDDLEWARE = [
44     'django.middleware.security.SecurityMiddleware',
45     'django.contrib.sessions.middleware.SessionMiddleware',
46     'django.middleware.common.CommonMiddleware',
47     'django.middleware.csrf.CsrfViewMiddleware',
48     'django.middleware.clickjacking.XFrameOptionsMiddleware'
49 ]
```

The terminal tab shows the command `python manage.py runserver` being run, and the output indicates it's a development server. The status bar at the bottom shows the file is at line 34, column 12, and the Python version is 3.11.2.

Calculator.html

The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Shows the project structure for "q1". It includes files like .venv, main, migrations, templates (calculator.html), __init__.py, admin.py, apps.py, models.py, tests.py, views.py, and wsgi.py. It also shows db.sqlite3 and manage.py.
- Code Editor:** The active file is "calculator.html" located in the "templates" directory. The code is an HTML template for a simple calculator. It features a form with two input fields for numbers, a dropdown menu for operations (add, subtract, multiply, divide), and a submit button. A result is displayed below the form if the operation is successful.
- Terminal:** The terminal window shows the command "python manage.py runserver" being run, followed by logs indicating successful server startup and a POST request from the browser.
- Status Bar:** Shows the current line (Ln 35, Col 8), spaces used (Spaces: 4), encoding (UTF-8), and file type (HTML).

Website



Q2. Develop a simple web form that generates the front cover for a magazine. The

form should provide the options for selecting the image, background color, changing font size, color etc. Input messages must be taken from the user so as to display it on the front cover with legible font family and font size. The front cover developed should be proportionate to the web page size. Place the css files inside static folder.

Settings.py

Views.py

The screenshot shows a code editor interface with a dark theme. The top navigation bar includes File, Edit, Selection, View, and a search bar containing 'q2'. Below the navigation is a tab bar with settings.py, views.py (which is currently selected), magazine.html, urls.py, and styles.css.

The left sidebar displays the project structure under 'EXPLORER':

- q2
 - .venv
 - main
 - __pycache__
 - migrations
 - templates
 - magazine.html
 - __init__.py
 - admin.py
 - apps.py
 - models.py
 - tests.py
 - views.py
 - q2
 - __pycache__
 - __init__.py
 - asgi.py
 - settings.py
 - urls.py
 - wsgi.py
 - static/css
 - styles.css
 - db.sqlite3
 - manage.py
- willian-justen-de-vas...

The bottom section shows the 'TERMINAL' tab with the following output:

```
(.venv) VI_WPL_A1@cs1-11:~/lab/college/Web Programming Lab/week6/q2$ python manage.py runserver
For more information on production servers see: https://docs.djangoproject.com/en/5.2/howto/deployment/
[11/Feb/2026 09:47:13] "GET / HTTP/1.1" 200 4265
[11/Feb/2026 09:47:13] "GET /static/css/styles.css HTTP/1.1" 200 2260
[11/Feb/2026 09:47:50] "GET / HTTP/1.1" 200 4265
```

The status bar at the bottom indicates Ln 4, Col 44, Spaces: 4, UTF-8, LF, Python, 3.11.2 (.venv).

Magazine.html

```
{% load static %}
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Magazine Cover Generator</title>
<link
href="https://fonts.googleapis.com/css2?family=Playfair+Display:wght@700;900&family=Roboto:wght
@300;400;700&display=swap" rel="stylesheet">
<link rel="stylesheet" href="{% static 'css/styles.css' %}">
</head>
<body>
```

```
<div class="main-container">
<div class="controls-panel">
<h2>Cover Editor</h2>
<form id="magazineForm">
<div class="control-group">
<h3>Background</h3>
<label>Upload Image</label>
<input type="file" id="imgInput" accept="image/*">
<label>Background Color</label>
<input type="color" id="bgColor" value="#ffffff">
</div>

<div class="control-group">
<h3>Masthead (Title)</h3>
<label>Title Text</label>
<input type="text" id="titleText" value="VOGUE">
<label>Font Color</label>
<input type="color" id="titleColor" value="#ff0000">
<label>Font Size</label>
<input type="range" id="titleSize" min="40" max="150" value="100">
</div>

<div class="control-group">
<h3>Headlines</h3>
<label>Main Headline</label>
<input type="text" id="headlineText" value="SUMMER VIBES">
<label>Sub-Headline</label>
<input type="text" id="subHeadlineText" value="The ultimate guide to style">
<label>Text Color</label>
<input type="color" id="featureColor" value="#ffffff">
</div>
</form>
</div>

<div class="preview-panel">
<div id="magazineCover" class="magazine-cover">
<div class="overlay" id="coverOverlay"></div>
<h1 id="displayTitle">VOGUE</h1>
<div class="feature-content">
<h2 id="displayHeadline">SUMMER VIBES</h2>
<p id="displaySubHeadline">The ultimate guide to style</p>
</div>
```

```
<div class="issue-info">
<p>SEPT 2026 • $10.00</p>
<div class="barcode">||| || |||| | ||</div>
</div>
</div>
</div>
</div>

<script>
// Live Preview Logic
const imgInput = document.getElementById('imgInput');
const magazineCover = document.getElementById('magazineCover');
// Title Controls
document.getElementById('titleText').addEventListener('input', e =>
document.getElementById('displayTitle').innerText = e.target.value);
document.getElementById('titleColor').addEventListener('input', e =>
document.getElementById('displayTitle').style.color = e.target.value);
document.getElementById('titleSize').addEventListener('input', e =>
document.getElementById('displayTitle').style.fontSize = e.target.value + 'px');

// Headline Controls
document.getElementById('headlineText').addEventListener('input', e =>
document.getElementById('displayHeadline').innerText = e.target.value);
document.getElementById('subHeadlineText').addEventListener('input', e =>
document.getElementById('displaySubHeadline').innerText = e.target.value);
document.getElementById('featureColor').addEventListener('input', e => {
document.getElementById('displayHeadline').style.color = e.target.value;
document.getElementById('displaySubHeadline').style.color = e.target.value;
});

// Background Controls
document.getElementById('bgColor').addEventListener('input', e =>
magazineCover.style.backgroundColor = e.target.value);

// Image Upload Logic
imgInput.addEventListener('change', function(event) {
const file = event.target.files[0];
if (file) {
const reader = new FileReader();
reader.onload = function(e) {
magazineCover.style.backgroundImage = `url(${e.target.result})`;
}
};
```

```
reader.readAsDataURL(file);  
}  
});  
</script>
```

```
</body>  
</html>
```

Urls.py

Styles.css

```
body {  
margin: 0;  
font-family: 'Roboto', sans-serif;  
background-color: #222;
```

```
height: 100vh;
display: flex;
align-items: center;
justify-content: center;
}

.main-container {
display: flex;
width: 95%;
max-width: 1200px;
height: 90vh;
background: white;
border-radius: 10px;
overflow: hidden;
}

/* Controls Panel (Left) */
.controls-panel {
flex: 1;
padding: 20px;
background: #f4f4f4;
overflow-y: auto;
}

.control-group {
background: white;
padding: 15px;
margin-bottom: 15px;
border-radius: 5px;
box-shadow: 0 2px 5px rgba(0,0,0,0.05);
}

label {
display: block;
font-size: 0.85rem;
margin: 10px 0 5px;
font-weight: bold;
color: #555;
}

input[type="text"], input[type="file"] {
width: 100%;
padding: 8px;
```

```
border: 1px solid #ddd;
box-sizing: border-box;
}

/* Preview Panel (Right) */
.preview-panel {
flex: 1.5;
background: #333;
display: flex;
justify-content: center;
align-items: center;
padding: 20px;
}

.magazine-cover {
width: 100%;
aspect-ratio: 1 / 1.4; /* Magazine Ratio */
max-height: 100%;
background-color: white;
background-size: cover;
background-position: center;
position: relative;
display: flex;
flex-direction: column;
justify-content: space-between;
box-shadow: 0 0 20px rgba(0,0,0,0.5);
}

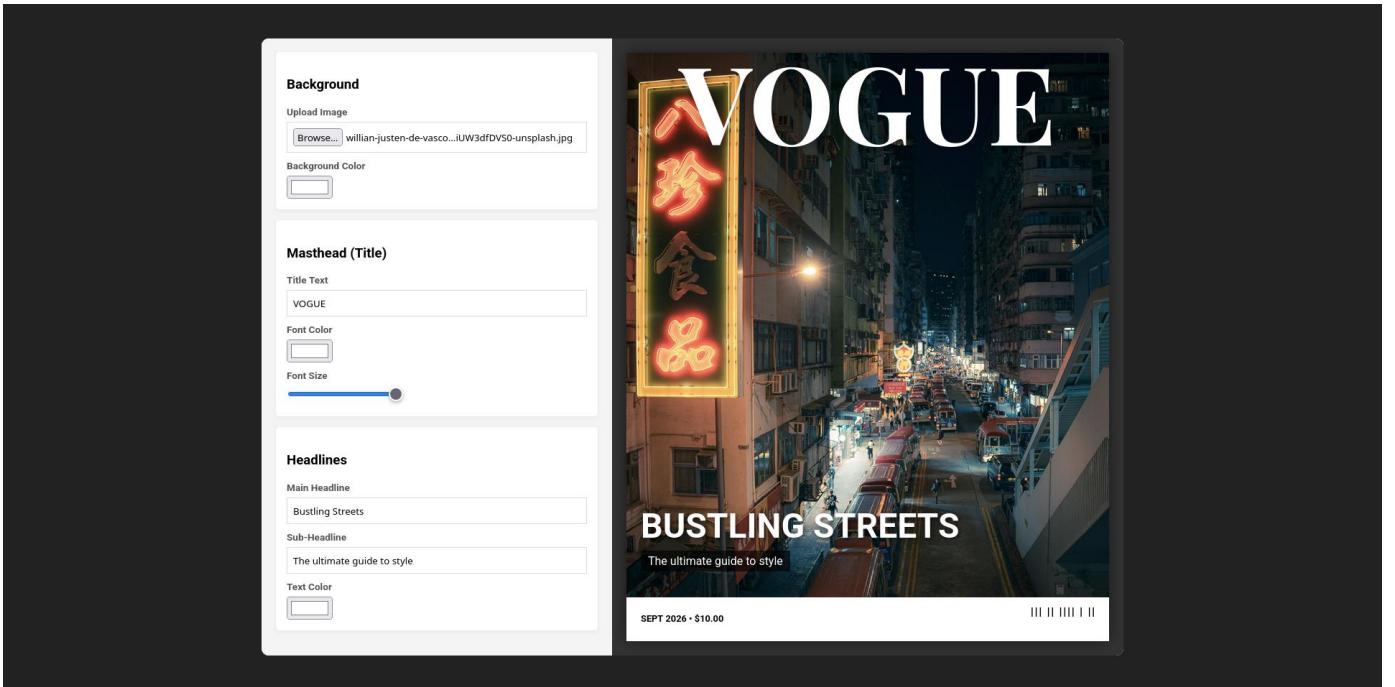
/* Typography on Cover */
#displayTitle {
font-family: 'Playfair Display', serif;
font-size: 100px;
text-align: center;
margin: 0;
line-height: 0.9;
z-index: 2;
text-shadow: 2px 2px 10px rgba(0,0,0,0.3);
}

.feature-content {
padding: 20px;
margin-top: auto;
z-index: 2;
```

```
}
```

```
#displayHeadline {  
font-size: 3rem;  
text-transform: uppercase;  
margin: 0;  
line-height: 1;  
text-shadow: 2px 2px 5px rgba(0,0,0,0.5);  
}  
  
#displaySubHeadline {  
background: rgba(0,0,0,0.6);  
color: white;  
display: inline-block;  
padding: 5px 10px;  
margin-top: 10px;  
}  
  
.issue-info {  
display: flex;  
justify-content: space-between;  
padding: 10px 20px;  
background: white;  
font-size: 0.8rem;  
font-weight: bold;  
}  
  
.barcode {  
font-family: monospace;  
letter-spacing: -2px;  
}
```

Website



Q3. Design a simple web application to provide information about a book. The home page of the application should display the cover page of the book along with three hyperlinks: Metadata, Reviews, Publisher info. Give provision to revert to home page from any other page.

Urls.py

The screenshot shows a code editor interface with a dark theme. On the left is the Explorer sidebar, which lists the project structure. The current file open in the main editor is `urls.py` from the `main` application. The code in the editor is:

```
from django.urls import path
from . import views

urlpatterns = [
    path('', views.home, name='home'),
    path('metadata/', views.metadata, name='metadata'),
    path('reviews/', views.reviews, name='reviews'),
    path('publisher/', views.publisher, name='publisher'),
]
```

The terminal tab at the bottom shows the command `python manage.py runserver` being run, and the Django development server starting on port 8000.

Base.html

The screenshot shows a code editor interface with a dark theme. On the left is the Explorer sidebar displaying the project structure:

- q3 (selected)
- .venv
- main
 - __pycache__
 - migrations
 - static/main
 - cover.jpg
 - templates/main
 - base.html (selected)
 - home.html
 - metadata.html
 - publisher.html
 - reviews.html
- __init__.py
- admin.py
- apps.py
- models.py
- tests.py
- urls.py
- views.py
- q3
 - __pycache__
 - __init__.py
 - asgi.py
 - settings.py
 - urls.py
 - wsgi.py
- db.sqlite3
- manage.py

The main editor area shows the content of base.html:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  |   <title>Book Info</title>
5  </head>
6  <body>
7  |   <div style="padding: 10px; background-color: #f0f0f0;">
8  |       {% if request.resolver_match.url_name != 'home' %}>
9  |           <a href="{% url 'home' %}">← Back to Home</a>
10 |       {% else %}>
11 |           <span>Welcome to the Book App</span>
12 |       {% endif %}>
13 |   </div>
14 |   <hr>
15 |
16 |   <div style="padding: 20px;">
17 |       {% block content %}
18 |       {% endblock %}
19 |   </div>
20 | </body>
21 | </html>
```

Below the editor is a terminal window showing the output of running the development server:

```
^C(.venv) VI_WPL_A1@cs1-11:~/lab/college/Web Programming Lab/week6/q3$ python manage.py runserver
February 11, 2026 - 10:11:55
Django version 5.2.11, using settings 'q3.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.

WARNING: This is a development server. Do not use it in a production setting. Use a production WSGI or ASGI
I server instead.
For more information on production servers see: https://docs.djangoproject.com/en/5.2/howto/deployment/
[11/February/2026 10:11:58] "GET / HTTP/1.1" 200 613
[11/February/2026 10:11:58] "GET /static/main/cover.jpg HTTP/1.1" 200 258401
```

The status bar at the bottom indicates the file is HTML and has 21 lines and 8 columns.

Home.html

The screenshot shows a code editor interface with the following details:

- File Explorer (Left):** Shows the project structure:
 - main**: .venv, migrations, static/main (cover.jpg), templates/main (base.html, home.html, metadata.html, publisher.html, reviews.html), __init__.py, admin.py, apps.py, models.py, tests.py, urls.py, views.py.
 - q3**: __pycache__, __init__.py, asgi.py, settings.py, urls.py, wsgi.py, db.sqlite3, manage.py.
- Search Bar (Top):** q3
- Code Editor (Center):** The `home.html` template file is open, showing the following code:

```
main > templates > main > home.html > ...
1  {% extends 'main/base.html' %} 
2  {% load static %} 
3  {% block content %} 
4      <h1>The Great Gatsby</h1> 
5 
6       
7 
8      <h3>Navigate:</h3> 
9      <ul> 
10         <li><a href="{% url 'metadata' %}">View Metadata</a></li> 
11         <li><a href="{% url 'reviews' %}">Read Reviews</a></li> 
12         <li><a href="{% url 'publisher' %}">Publisher Info</a></li> 
13     </ul> 
14  {% endblock %}
```
- Terminal (Bottom):** Shows the command `python manage.py runserver` being run, with the output:

```
^C(.venv) VI_WPL_A1@cls-11:~/lab/college/Web Programming Lab/week6/q3$ python manage.py runserver
February 11, 2026 - 10:11:55
Django version 5.2.11, using settings 'q3.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.

WARNING: This is a development server. Do not use it in a production setting. Use a production WSGI or ASGI
I server instead.
For more information on production servers see: https://docs.djangoproject.com/en/5.2/howto/deployment/
[11/Feb/2026 10:11:58] "GET / HTTP/1.1" 200 613
[11/Feb/2026 10:11:58] "GET /static/main/cover.jpg HTTP/1.1" 200 258401
```

Metadata.html

The screenshot shows a code editor interface with the following details:

- Explorer View:** Shows the project structure. The `metadata.html` file in the `main/templates/main` directory is currently selected.
- Editor View:** Displays the content of `metadata.html`. The code includes a block inheritance from `base.html` and defines a block named `content` containing metadata about a book.
- Terminal View:** Shows the command `python manage.py runserver` being run in a terminal window. The output indicates the server is running at `http://127.0.0.1:8000/`.
- Status Bar:** Shows the current file is `Reviews.html`, with line 8, column 15, and other file statistics.

Reviews.html

The screenshot shows a code editor interface with a dark theme. On the left is the Explorer sidebar, which lists the project structure. The main area displays a file named `reviews.html` containing Django template code. Below the code editor is a terminal window showing the output of running a development server.

EXPLORER

- q3
 - .venv
 - main
 - __pycache__
 - migrations
 - static/main
 - cover.jpg
 - templates/main
 - base.html
 - home.html
 - metadata.html
 - publisher.html
 - reviews.html
 - __init__.py
 - admin.py
 - apps.py
 - models.py
 - tests.py
 - urls.py
 - views.py
 - q3
 - __pycache__
 - __init__.py
 - asgi.py
 - settings.py
 - urls.py
 - wsgi.py
 - db.sqlite3
 - manage.py

RECENT FILES

 - urls.py
 - base.html
 - home.html
 - metadata.html
 - reviews.html
 - publisher.html

TERMINAL

```
^C(.venv) VI_WPL_A1@cls-11:~/lab/college/Web Programming Lab/week6/q3$ python manage.py runserver
February 11, 2026 - 10:11:55
Django version 5.2.11, using settings 'q3.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.

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/
[11/Feb/2026 10:11:58] "GET / HTTP/1.1" 200 613
[11/Feb/2026 10:11:58] "GET /static/main/cover.jpg HTTP/1.1" 200 258401
```

Ln 7, Col 15 Spaces: 4 UTF-8 LF { } HTML

Publisher.html

The screenshot shows a code editor interface with the following details:

- EXPLORER View:** Shows the project structure:
 - q3 (selected)
 - .venv
 - main
 - __pycache__
 - migrations
 - static/main
 - cover.jpg
 - templates/main
 - base.html
 - home.html
 - metadata.html
 - publisher.html** (selected)
 - reviews.html
 - q3
 - __pycache__
 - __init__.py
 - asgi.py
 - settings.py
 - urls.py
 - wsgi.py
 - db.sqlite3
 - manage.py
- Editor View:** Displays the content of publisher.html:

```
main > templates > main > publisher.html > ...
1  {% extends 'main/base.html' %} ...
2
3  {% block content %}
4      <h2>Publisher Information</h2>
5      <p><strong>Publisher:</strong> Charles Scribner's Sons</p>
6      <p><strong>Year:</strong> 1925</p>
7      <p><strong>Location:</strong> New York City</p>
8  {% endblock %}
```
- TERMINAL View:** Shows the terminal output of running the development server:

```
^C(.venv) VI_WPL_A1@cls-11:~/lab/college/Web Programming Lab/week6/q3$ python manage.py runserver
February 11, 2026 - 10:11:55
Django version 5.2.11, using settings 'q3.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.

WARNING: This is a development server. Do not use it in a production setting. Use a production WSGI or ASGI
I server instead.
For more information on production servers see: https://docs.djangoproject.com/en/5.2/howto/deployment/
[11/Feb/2026 10:11:58] "GET / HTTP/1.1" 200 613
[11/Feb/2026 10:11:58] "GET /static/main/cover.jpg HTTP/1.1" 200 258401
```

Settings.py

The screenshot shows a code editor interface with a dark theme. On the left is the Explorer sidebar, which lists the project structure. The current file open is `q3/settings.py`. The code in the main editor pane is as follows:

```
q3 > settings.py > ...
10 https://docs.djangoproject.com/en/5.2/ref/settings/
11 """
12
13 from pathlib import Path
14
15 # Build paths inside the project like this: BASE_DIR / 'subdir'.
16 BASE_DIR = Path(__file__).resolve().parent.parent
17
18 # Quick-start development settings - unsuitable for production
19 # See https://docs.djangoproject.com/en/5.2/howto/deployment/checklist/
20
21 # SECURITY WARNING: keep the secret key used in production secret!
22 SECRET_KEY = 'django-insecure-4m+97yu!zht7vwi1=0sj*)#$_h%)*@uzascrk2o0fxv9il^t'
23
24 # SECURITY WARNING: don't run with debug turned on in production!
25 DEBUG = True
26
27 ALLOWED_HOSTS = []
28
29
30 # Application definition
31
32 INSTALLED_APPS = [
33     'main',
34     'django.contrib.admin',
35     'django.contrib.auth',
36     'django.contrib.contenttypes',
37     'django.contrib.sessions',
38     'django.contrib.messages',
39     'django.contrib.staticfiles',
40 ]
41
42
43 MIDDLEWARE = [
44     ...
45 ]
```

Below the code editor is a terminal window showing the command `python manage.py runserver` being run. The output indicates the server is running at `http://127.0.0.1:8000/`. The status bar at the bottom shows the file is 3.11.2 (.venv) and the line number is Ln 34, Col 12.

Q3/urls.py

The screenshot shows a code editor interface with a dark theme. On the left is the Explorer sidebar, which lists the project structure for 'q3'. The 'urls.py' file is currently selected. The main editor area displays the contents of 'urls.py', which defines URL patterns for a Django application. The terminal tab at the bottom shows the command 'python manage.py runserver' being run, and it outputs the server's start message and some log entries.

```
q3 > urls.py > ...
1 """
2 URL configuration for q3 project.
3
4 The 'urlpatterns' list routes URLs to views. For more information please see:
5     https://docs.djangoproject.com/en/5.2/topics/http/urls/
6 Examples:
7 Function based 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('main.urls')),
23 ]
24
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
^C(.venv) VI_WPL_A1@cls-11:~/lab/college/Web Programming Lab/week6/q3$ python manage.py runserver
February 11, 2026 - 10:11:55
Django version 5.2.11, using settings 'q3.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.

WARNING: This is a development server. Do not use it in a production setting. Use a production WSGI or ASGI
I server instead.
For more information on production servers see: https://docs.djangoproject.com/en/5.2/howto/deployment/
[11/Feb/2026 10:11:58] "GET / HTTP/1.1" 200 613
[11/Feb/2026 10:11:58] "GET /static/main/cover.jpg HTTP/1.1" 200 258401
```

View.py

The screenshot shows a code editor interface with a dark theme. On the left is the Explorer sidebar, which lists the project structure. The current file, `views.py`, is selected and shown in the main editor area. The terminal tab at the bottom displays the output of running the development server.

EXPLORER

- q3
 - .venv
 - main
 - __pycache__
 - migrations
 - static/main
 - cover.jpg
 - templates/main
 - base.html
 - home.html
 - metadata.html
 - publisher.html
 - reviews.html
 - __init__.py
 - admin.py
 - apps.py
 - models.py
 - tests.py
 - urls.py
 - views.py
 - q3
 - __pycache__
 - __init__.py
 - asgi.py
 - settings.py
 - urls.py
 - wsgi.py
 - db.sqlite3
 - manage.py

TERMINAL

```
^C(.venv) VI_WPL_A1@cls-11:~/lab/college/Web Programming Lab/week6/q3$ python manage.py runserver
February 11, 2026 - 10:11:55
Django version 5.2.11, using settings 'q3.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.

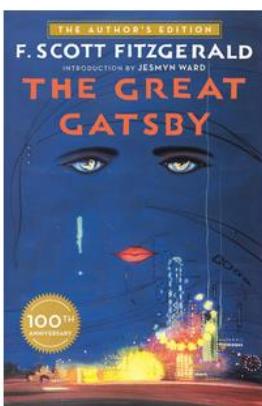
WARNING: This is a development server. Do not use it in a production setting. Use a production WSGI or ASGI
I server instead.
For more information on production servers see: https://docs.djangoproject.com/en/5.2/howto/deployment/
[11/Feb/2026 10:11:58] "GET / HTTP/1.1" 200 613
[11/Feb/2026 10:11:58] "GET /static/main/cover.jpg HTTP/1.1" 200 258401
```

Ln 13, Col 50 Spaces: 4 UTF-8 LF {} Python 3.11.2 (.venv)

Website

Welcome to the Book App

The Great Gatsby



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- [Read Reviews](#)
- [Publisher Info](#)

[!\[\]\(efee95c0f3d6f57aebda4c234cf0ca9b_img.jpg\) Back to Home](#)

Book Metadata

Author: F. Scott Fitzgerald

Genre: Tragedy, Realism

Pages: 218

[!\[\]\(a8817307f48b64bab6681f4bdcc7bb8a_img.jpg\) Back to Home](#)

User Reviews

 - "A classic for a reason!"

 - "Great symbolism, slightly slow start."

[!\[\]\(2c1f3a5a6c90198e5ac625a30076203b_img.jpg\) Back to Home](#)

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