

Part 1: Django web development framework

Task 1: install Django & **Task 2:** create, configure, and organize a new Django project

```
موجه الأوامر - pip install django
Microsoft Windows [Version 10.0.19045.6332]
(c) Microsoft Corporation. جميع الحقوق محفوظة.

C:\Users\PCD>cd desktop

C:\Users\PCD\Desktop> python -m venv envR

C:\Users\PCD\Desktop>cd envR

C:\Users\PCD\Desktop\envR> Scripts\activate

(envR) C:\Users\PCD\Desktop\envR> pip install django
Collecting django
  Using cached django-5.2.6-py3-none-any.whl.metadata (4.1 kB)
Collecting asgiref>=3.8.1 (from django)
  Using cached asgiref-3.9.1-py3-none-any.whl.metadata (9.3 kB)
Collecting sqlparse>=0.3.1 (from django)
  Using cached sqlparse-0.5.3-py3-none-any.whl.metadata (3.9 kB)
Collecting tzdata (from django)
  Using cached tzdata-2025.2-py2.py3-none-any.whl.metadata (1.4 kB)
Using cached django-5.2.6-py3-none-any.whl (8.3 MB)
Using cached asgiref-3.9.1-py3-none-any.whl (23 kB)
Using cached sqlparse-0.5.3-py3-none-any.whl (44 kB)
Using cached tzdata-2025.2-py2.py3-none-any.whl (347 kB)
Installing collected packages: tzdata, sqlparse, asgiref, django
-----
3/4 [django]
```

```
C:\Users\PCD\Desktop> mkdir MyLabs

C:\Users\PCD\Desktop> cd MyLabs

C:\Users\PCD\Desktop\MyLabs> Django-admin startproject libraryproject

C:\Users\PCD\Desktop\MyLabs> cd libraryproject

C:\Users\PCD\Desktop\MyLabs\libraryproject> python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).

You have 18 unapplied migration(s). Your project may not work properly until
auth, contenttypes, sessions.
Run 'python manage.py migrate' to apply them.
September 22, 2025 - 22:58:28
Django version 5.2.6, using settings 'libraryproject.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

Task 3: configure your Django application

```
C:\Users\PCD\Desktop\MyLabs\libraryproject> mkdir apps

C:\Users\PCD\Desktop\MyLabs\libraryproject> mkdir apps\template apps\static
```

```
INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'apps.bookmodule',
    'apps.usermodule',
]
```

Part 2: Git system and connect your online repo with a local repo

Task 1: Create a local git repo. **Task 2:** connect your local repository with the remote repository

```
C:\Users\PCD\Desktop\MyLabs\libraryproject> git init
Initialized empty Git repository in C:/Users/PCD/Desktop/MyLabs/libraryproject/.git/

C:\Users\PCD\Desktop\MyLabs\libraryproject> type NUL > .gitignore

C:\Users\PCD\Desktop\MyLabs\libraryproject> notepad .gitignore

C:\Users\PCD\Desktop\MyLabs\libraryproject> git add .gitignore
Warning: in the working copy of '.gitignore', CRLF will be replaced by LF the next time Git touches it

C:\Users\PCD\Desktop\MyLabs\libraryproject> git commit -m "add ignore file"
[master (root-commit) b64383d] add ignore file
1 file changed, 29 insertions(+)
 create mode 100644 .gitignore

C:\Users\PCD\Desktop\MyLabs\libraryproject>

C:\Users\PCD\Desktop\MyLabs\libraryproject>git config --global user.name "Randa Alhindi"

C:\Users\PCD\Desktop\MyLabs\libraryproject>git config --global user.email "randaa.alhindi@gmail.com"

C:\Users\PCD\Desktop\MyLabs\libraryproject> git remote add origin https://github.com/randa-abdullah/WebLabs.git


C:\Users\PCD\Desktop\MyLabs\libraryproject> git fetch origin

C:\Users\PCD\Desktop\MyLabs\libraryproject>git branch -M main

C:\Users\PCD\Desktop\MyLabs\libraryproject>git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 409 bytes | 409.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/randa-abdullah/WebLabs.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

C:\Users\PCD\Desktop\MyLabs\libraryproject>
```

```
C:\Users\PCD\Desktop\MyLabs\libraryproject> git commit -m "Initial commit - upload Django project"
[master dfaec4] Initial commit - upload Django project
20 files changed, 235 insertions(+)
 create mode 100644 apps/bookmodule/__init__.py
 create mode 100644 apps/bookmodule/admin.py
 create mode 100644 apps/bookmodule/apps.py
 create mode 100644 apps/bookmodule/models.py
 create mode 100644 apps/bookmodule/tests.py
 create mode 100644 apps/bookmodule/views.py
 create mode 100644 apps/usermodule/__init__.py
 create mode 100644 apps/usermodule/admin.py
 create mode 100644 apps/usermodule/apps.py
 create mode 100644 apps/usermodule/models.py
 create mode 100644 apps/usermodule/tests.py
 create mode 100644 apps/usermodule/views.py
 create mode 100644 db.sqlite3
 create mode 100644 libraryproject/__init__.py
 create mode 100644 libraryproject/asgi.py
 create mode 100644 libraryproject/settings.py
 create mode 100644 libraryproject/urls.py
 create mode 100644 libraryproject/wsgi.py
 create mode 100644 manage.py
 create mode 100644 python
```



The install worked successfully! Congratulations!

View [release notes](#) for Django 5.2

You are seeing this page because `DEBUG=True` is in your settings file and you have not configured any URLs.

django

Randa Alhindi Initial commit - upload Django project dfaec4 · 7 minutes ago 2 Commits		
apps	Initial commit - upload Django project	7 minutes ago
libraryproject	Initial commit - upload Django project	7 minutes ago
.gitignore	add ignore file	16 minutes ago
db.sqlite3	Initial commit - upload Django project	7 minutes ago
manage.py	Initial commit - upload Django project	7 minutes ago
python	Initial commit - upload Django project	7 minutes ago