Django Framework
Project

Lab -2-A

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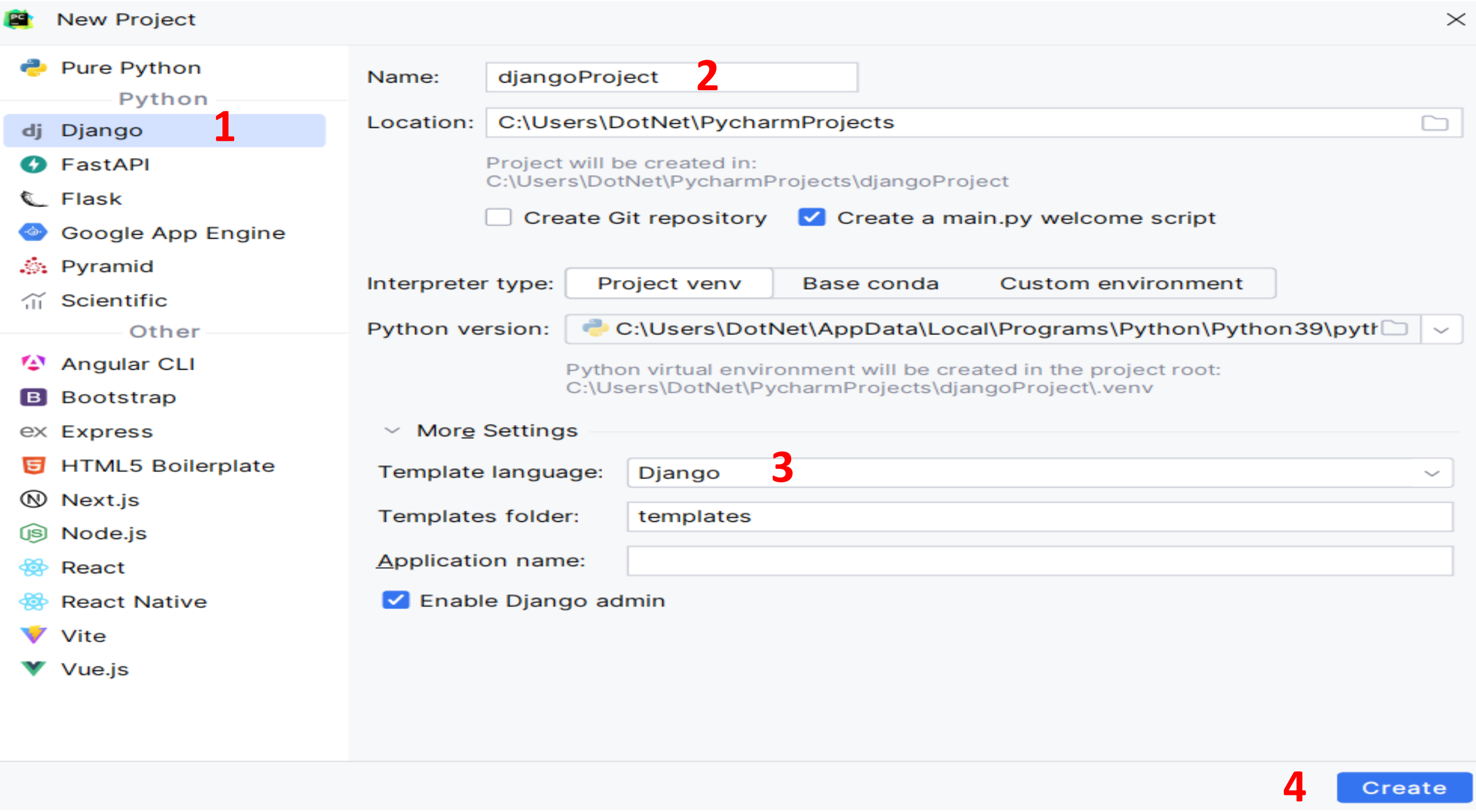
Working with Django Framework

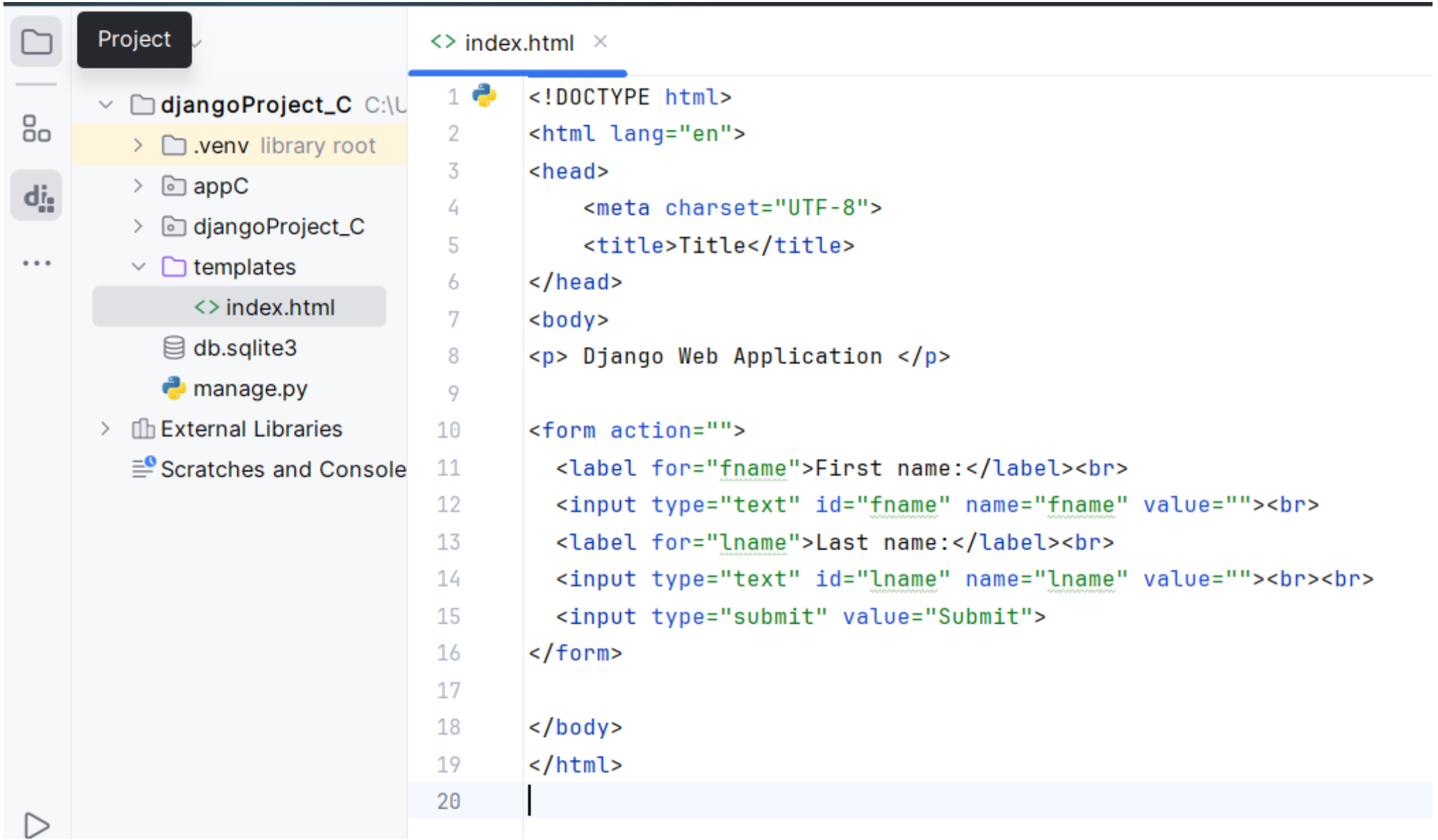
- Create Project and application
- Create Template
- Views
- Urls

Create Project and application Using Pycharm

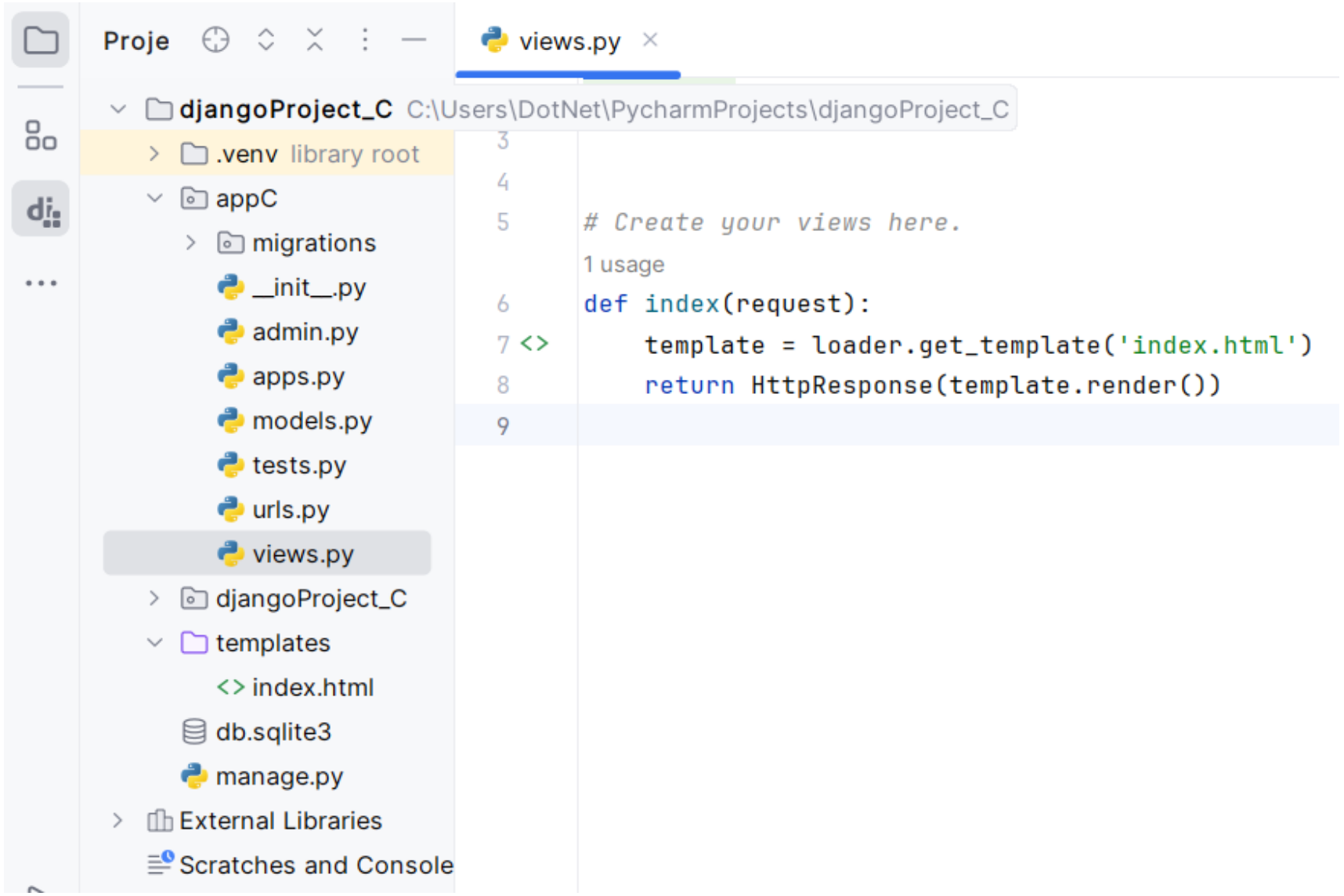
- File > New > Project > Django


New Project
Pure Python
Python
Django
FastAPI
Flask
Google App Engine
Pyramid
Scientific
Other
Angular CLI
Bootstrap
Express
HTML5 Boilerplate
Next.js
Node.js
React
React Native
Vite
Vue.js
1
Name:
djangoProject
2
Location:
C:\Users\DotNet\PycharmProjects
Project will be created in:
C:\Users\DotNet\PycharmProjects\djangoProject
Create Git repository
Create a main.py welcome script
Interpreter type:
Project venv
Base conda
Custom environment
Python version:
C:\Users\DotNet\AppData\Local\Programs\Python\Python39\pyth
Python virtual environment will be created in the project root:
C:\Users\DotNet\PycharmProjects\djangoProject\.venv
More Settings
Template language:
Django
3
Templates folder:
templates
Application name:
Enable Django admin
4
Create

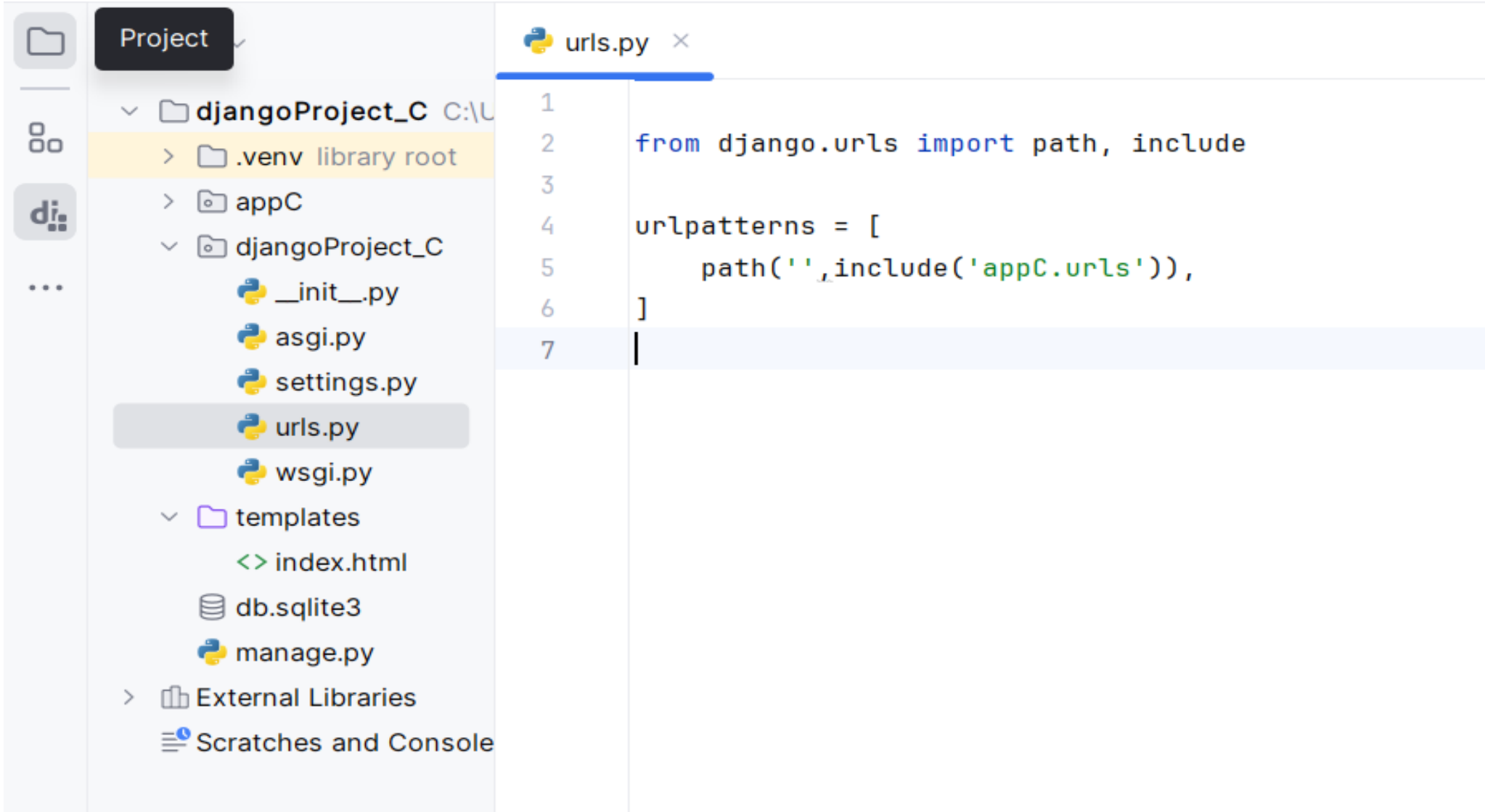
Create Template



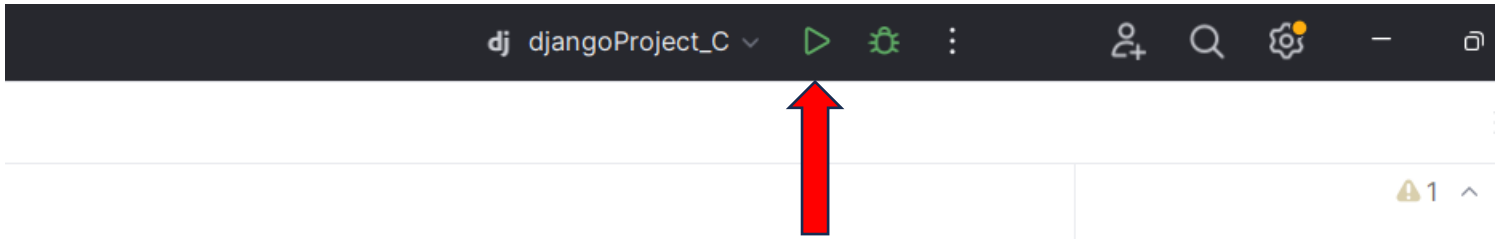
Views


Proje
djangoProject_C C:\Users\DotNet\PycharmProjects\djangoProject_C
.venv library root
appC
migrations
__init__.py
admin.py
apps.py
models.py
tests.py
urls.py
views.py
djangoProject_C
templates
index.html
db.sqlite3
manage.py
External Libraries
Scratches and Console
views.py
3
4
5 # Create your views here.
1 usage
6 def index(request):
7 <> template = loader.get_template('index.html')
8 return HttpResponse(template.render())
9

Urls

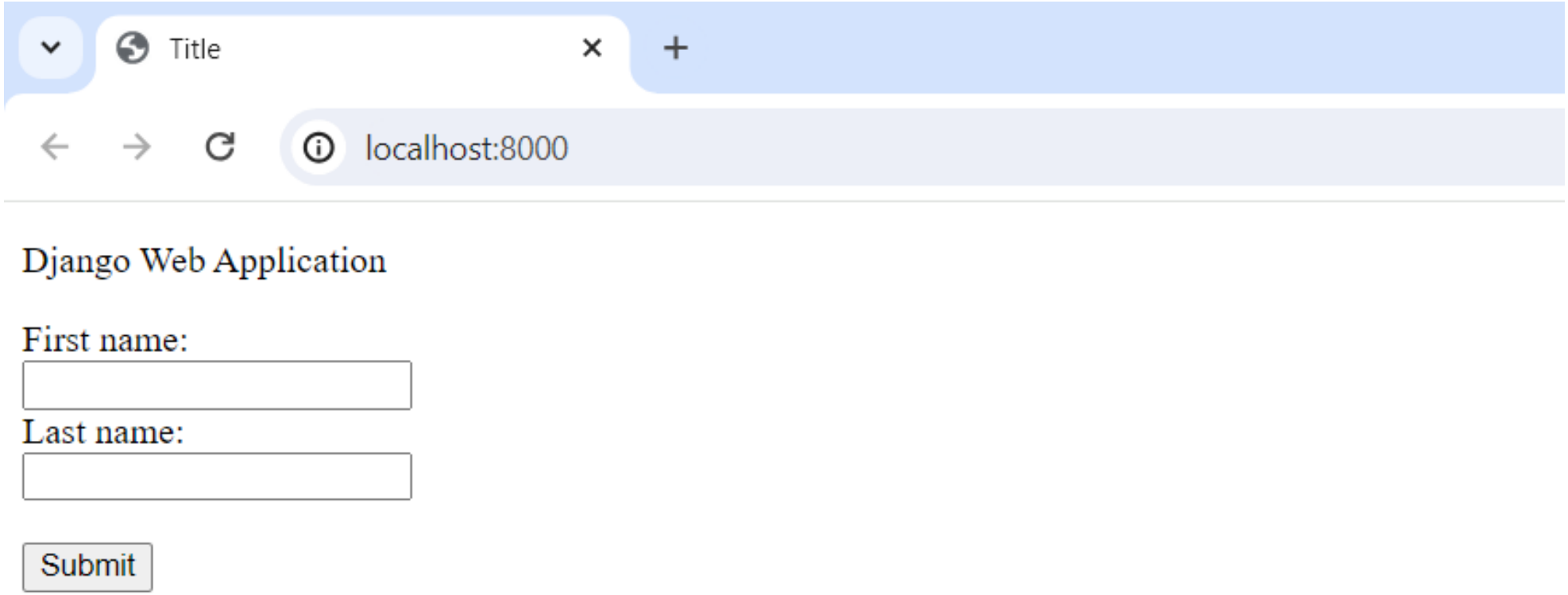

Project
djangoProject_C C:\U
.venv library root
appC
djangoProject_C
__init__.py
asgi.py
settings.py
urls.py
wsgi.py
templates
index.html
db.sqlite3
manage.py
External Libraries
Scratches and Console
urls.py
1
2 from django.urls import path, include
3
4 urlpatterns = [
5 path('',include('appC.urls')),
6]
7

Run Project


djangoProject_C
1

C:\Users\DotNet\PycharmProjects\djangoProject_C\.venv\Scripts\python.exe C:\Users\DotNet\PycharmProjects\dj
Performing system checks...
Watching for file changes with StatReloader
System check identified no issues (0 silenced).
May 17, 2024 - 23:39:22
Django version 4.2.13, using settings 'djangoProject_C.settings'
Starting development server at http://localhost:8000/
Quit the server with CTRL-BREAK.

Output


Title
localhost:8000
Django Web Application
First name:
Last name:
Submit