

Lección 1: Actividad para portafolios nro. 1

“Tienda online Django”

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1. Creación de un proyecto Django:

a. Crear entorno virtual ‘myenv’

```
> python -m venv myenv  
● njofre ~\Desktop\dev\portafolio-py-mod6\actividad1 main ≡*?1 9.082s  
○ > █
```

b. Activa el entorno virtual

```
> .\myenv\Scripts\activate  
● (myenv) njofre ~\Desktop\dev\portafolio-py-mod6\actividad1 main ≡*?1  
○ > █
```

c. Instala Django dentro del entorno virtual

```
> pip install django
Collecting django
  Using cached Django-5.0.4-py3-none-any.whl.metadata (4.1 kB)
Collecting asgiref<4,>=3.7.0 (from django)
  Using cached asgiref-3.8.1-py3-none-any.whl.metadata (9.3 kB)
Collecting sqlparse>=0.3.1 (from django)
  Using cached sqlparse-0.4.4-py3-none-any.whl.metadata (4.0 kB)
Collecting tzdata (from django)
  Using cached tzdata-2024.1-py2.py3-none-any.whl.metadata (1.4 kB)
Using cached Django-5.0.4-py3-none-any.whl (8.2 MB)
Using cached asgiref-3.8.1-py3-none-any.whl (23 kB)
Using cached sqlparse-0.4.4-py3-none-any.whl (41 kB)
Using cached tzdata-2024.1-py2.py3-none-any.whl (345 kB)
Installing collected packages: tzdata, sqlparse, asgiref, django
Successfully installed asgiref-3.8.1 django-5.0.4 sqlparse-0.4.4 tzdata-2024.1
(myenv) njofre ~\Desktop\dev\portafolio-py-mod6\actividad1 main ≡*?1 14.108s
> 
```

```
> pip list
Package Version
-----
asgiref 3.8.1
Django 5.0.4
pip 24.0
sqlparse 0.4.4
tzdata 2024.1
(myenv) njofre ~\Desktop\dev\portafolio-py-mod6\actividad1 main ≡*?1 711ms
> 
```

d. Crea un nuevo proyecto llamado 'miProyecto'

```
> django-admin startproject miProyecto
(myenv) njofre ~\Desktop\dev\portafolio-py-mod6\actividad1 main ≡*?1 535ms
> 
```

e. Ir al directorio 'miProyecto'

```
> cd miProyecto
(myenv) njofre ~\Desktop\dev\portafolio-py-mod6\actividad1\miProyecto main ≡*?1
> 
```

f. Ejecutar servidor de desarrollo

```
● > 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
  Run 'python manage.py migrate' to apply them.
  April 08, 2024 - 22:40:20
  Django version 5.0.4, using settings 'miProyecto.settings'
  Starting development server at http://127.0.0.1:8000/
  Quit the server with CTRL-BREAK.
```

2. Creación de una aplicación y modelo:

a. Crea una aplicación 'miApp'

```
> python manage.py startapp miApp
● (myenv) njofre ~\Desktop\dev\portafolio-py-mod6\actividad1\miProyecto main ≡*?1 590ms
○ > |
```

b. Define 'models.py' dentro de 'miApp'

```
models.py U X
1  from django.db import models
2
3  # Create your models here.
4  class Saludo(models.Model):
5      mensaje = models.CharField(max_length=255)
6
```

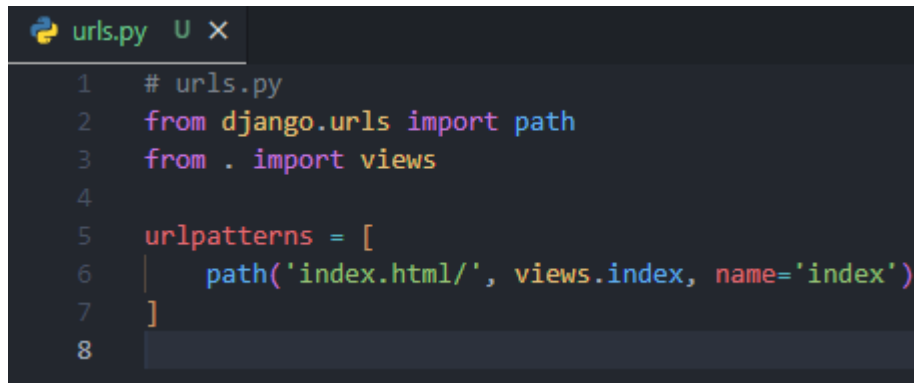
3. Creación de una aplicación y modelo:

a. Define una vista simple 'views.py' dentro de 'miApp'

```
views.py U X
1  from django.shortcuts import render
2  from .models import Saludo
3
4  def index(request):
5      saludo = Saludo.objects.first()
6      contexto = {'mensaje': saludo.mensaje}
7      return render(request, 'index.html', contexto)
8
```

4. Configuración de URLs:

- a. Define una URL para la vista en 'urls.py' dentro de 'miApp'

A screenshot of a code editor window titled 'urls.py'. The code is written in Python and defines a list of URL patterns. The first three lines are comments and imports: a comment '# urls.py', an import 'from django.urls import path', and an import 'from . import views'. The fourth line is an empty line. The fifth line starts a list definition 'urlpatterns = ['. The sixth line is an indented list element 'path('index.html/', views.index, name='index')'. The seventh line is a closing bracket ']' and the eighth line is an empty line.

```
1 # urls.py
2 from django.urls import path
3 from . import views
4
5 urlpatterns = [
6     path('index.html/', views.index, name='index')
7 ]
8
```