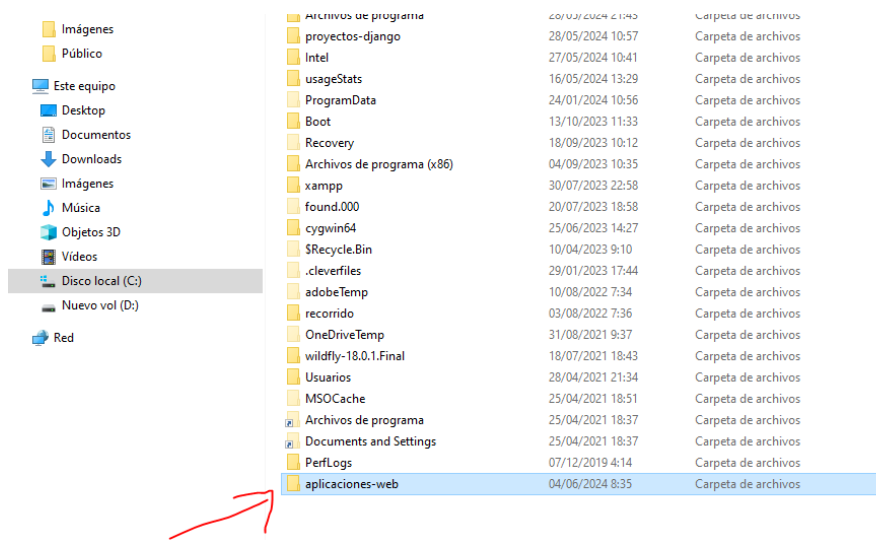
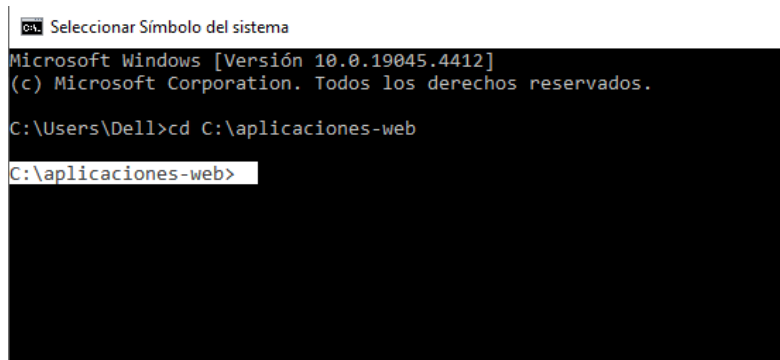


## CREACIÓN DE UN PROYECTO EN DJANGO (PYTHON)

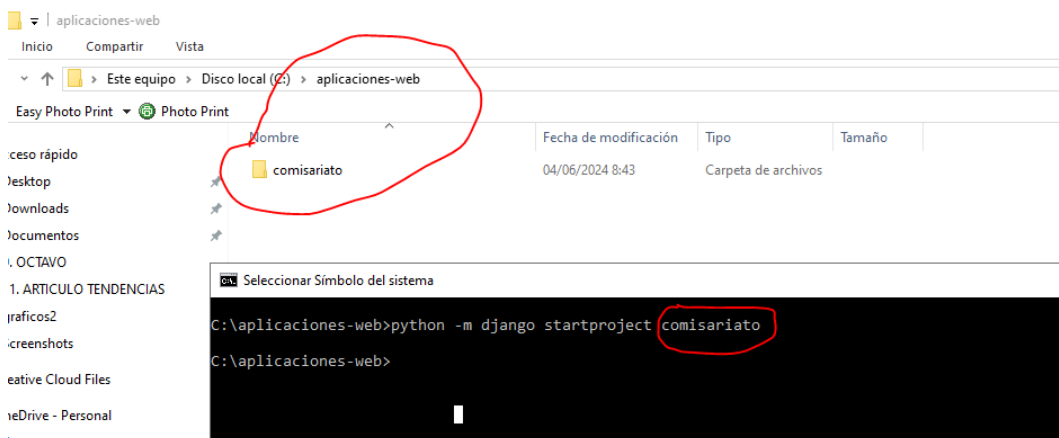
1. Crear una carpeta en disco local **C**, donde se guardarán todos los proyectos web. El nombre de la carpeta es: **aplicaciones-web**



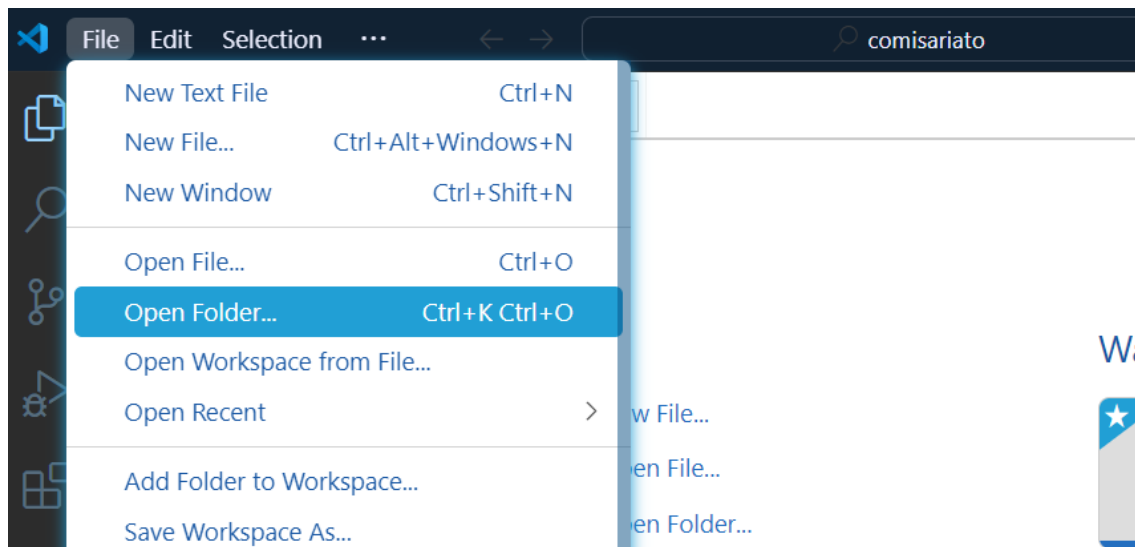
2. Abrir una ventana de cmd y moverse a la carpeta aplicaciones-web: **cd C:\aplicaciones-web**



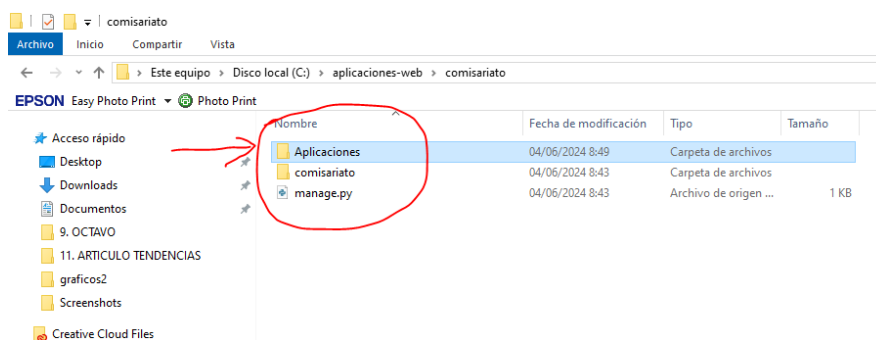
3. Para crear un proyecto llamado “comisariato” se ejecuta el comando: **python -m django startproject comisariato**



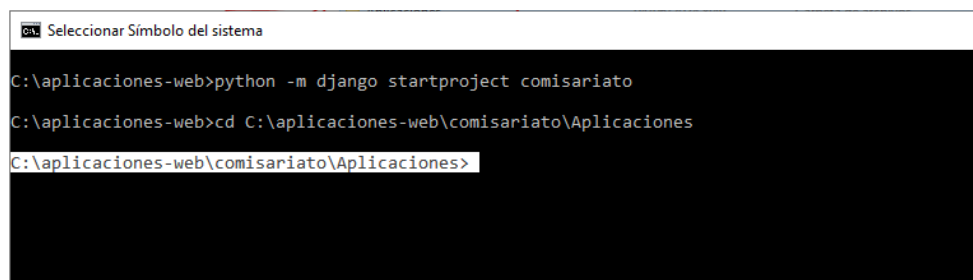
4. Abrir el proyecto **comisariato** en visual studio code: File -> Open Folder



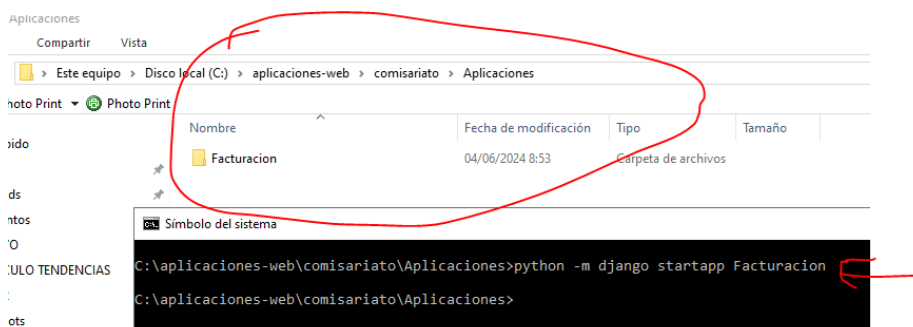
5. Crear una carpeta llamada **Aplicaciones** dentro del proyecto **comisariato**



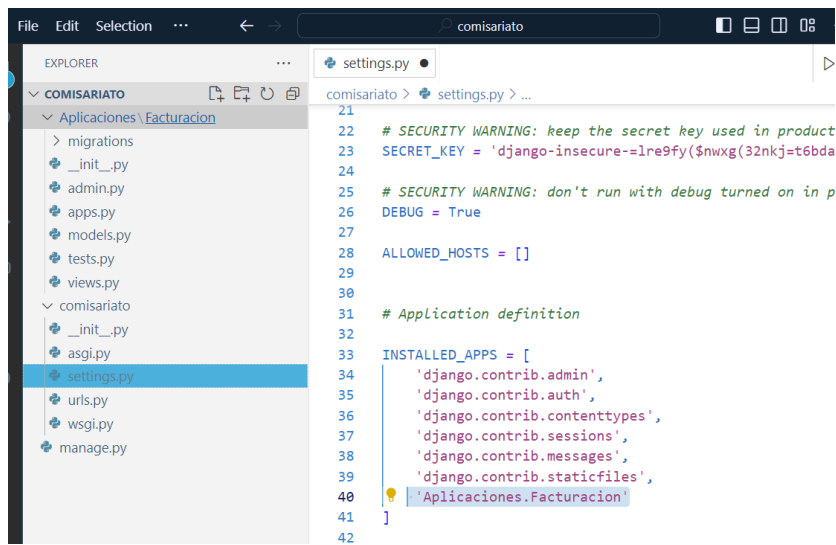
6. Moverse a la ruta: `cd C:\aplicaciones-web\comisariato\Aplicaciones`



7. Crear una aplicación llamada **Facturacion**: `python -m django startapp Facturacion`



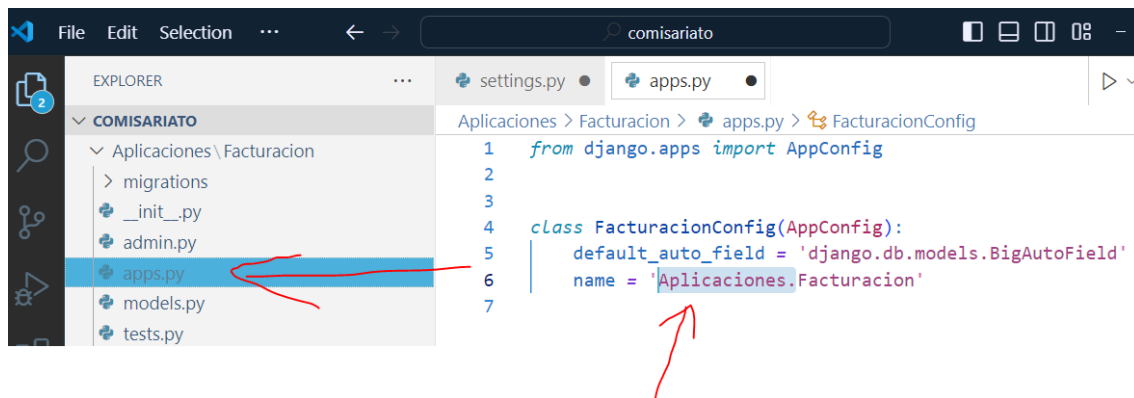
## 8. Registrar la carpeta de la nueva aplicación en **settings.py** de la carpeta comisariato



The screenshot shows the Visual Studio Code editor with the file explorer on the left displaying the project structure. The 'comisariato' folder is expanded, showing subfolders like 'Aplicaciones' and 'Facturacion'. The 'settings.py' file is open in the editor. The 'INSTALLED\_APPS' list is updated to include 'Aplicaciones.Facturacion' at line 40.

```
21
22 # SECURITY WARNING: keep the secret key used in product
23 SECRET_KEY = 'django-insecure-1re9fy($nwxg(32nkj=t6bda
24
25 # SECURITY WARNING: don't run with debug turned on in p
26 DEBUG = True
27
28 ALLOWED_HOSTS = []
29
30
31 # Application definition
32
33 INSTALLED_APPS = [
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     'Aplicaciones.Facturacion'
41 ]
42
```

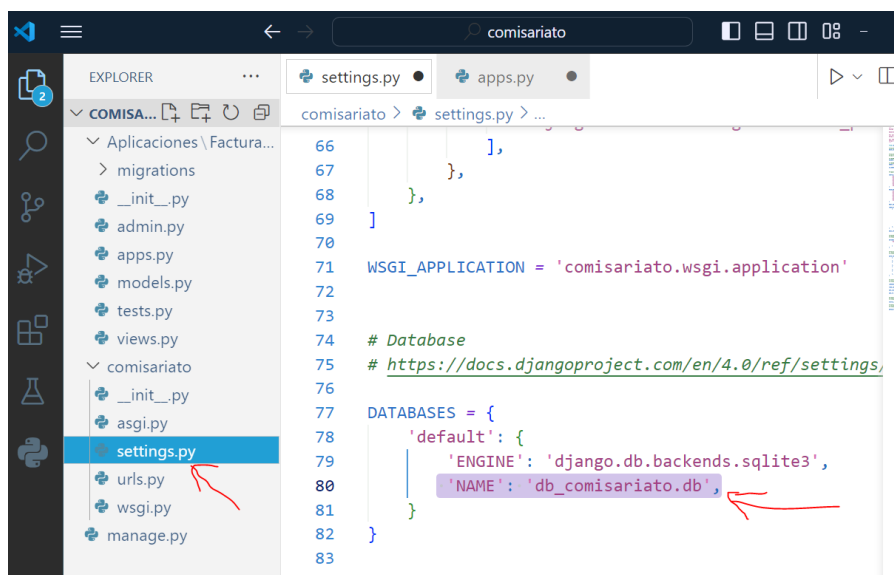
## 9. Definir el nombre de la aplicación en el archivo **apps.py**



The screenshot shows the Visual Studio Code editor with the file explorer on the left. The 'apps.py' file is open in the editor. The 'FacturacionConfig' class is defined, inheriting from 'AppConfig'. The 'name' attribute is set to 'Aplicaciones.Facturacion'. Red arrows point to the 'apps.py' file in the explorer and the 'name' attribute in the code.

```
1 from django.apps import AppConfig
2
3
4 class FacturacionConfig(AppConfig):
5     default_auto_field = 'django.db.models.BigAutoField'
6     name = 'Aplicaciones.Facturacion'
7
```

## 10. Configurar una base de datos con **SQLite3** en el archivo **settings.py**:



The screenshot shows the Visual Studio Code editor with the file explorer on the left. The 'settings.py' file is open in the editor. The 'DATABASES' dictionary is configured to use 'sqlite3' as the engine and 'db\_comisariato.db' as the name. Red arrows point to the 'settings.py' file in the explorer and the database configuration in the code.

```
66 ],
67 },
68 },
69 ]
70
71 WSGI_APPLICATION = 'comisariato.wsgi.application'
72
73
74 # Database
75 # https://docs.djangoproject.com/en/4.0/ref/settings,
76
77 DATABASES = {
78     'default': {
79         'ENGINE': 'django.db.backends.sqlite3',
80         'NAME': 'db_comisariato.db',
81     }
82 }
83
84
```

### 11. Crear el modelo **Cliente**:

```
1 from django.db import models
2
3 # Create your models here.
4 class Cliente(models.Model):
5     id=models.AutoField(primary_key=True)
6     cedula=models.CharField(max_length=10)
7     apellido=models.CharField(max_length=250)
8     nombre=models.CharField(max_length=250)
9     direccion=models.TextField()
10    fecha_nacimiento=models.DateField()
11    correo=models.EmailField()
12
13
14
```

### 12. Activar el panel de administración de Django en **admin.py** del app

```
1 from django.contrib import admin
2 from .models import Cliente
3 # Register your models here.
4 admin.site.register(Cliente)
```

### 13. Nos movemos a la carpeta: **cd C:\aplicaciones-web\comisariato**

```
Selecciónar Símbolo del sistema
C:\aplicaciones-web\comisariato\Aplicaciones>cd C:\aplicaciones-web\comisariato
C:\aplicaciones-web\comisariato>
```

14. Ejecutamos las migraciones con el comando: **python manage.py migrate**

```
Simbolo del sistema
C:\aplicaciones-web\comisariato\Aplicaciones>cd C:\aplicaciones-web\comisariato
C:\aplicaciones-web\comisariato>python manage.py migrate
Operations to perform:
  Apply all migrations: admin, auth, contenttypes, sessions
Running migrations:
  Applying contenttypes.0001_initial... OK
  Applying auth.0001_initial... OK
  Applying admin.0001_initial... OK
  Applying admin.0002_logentry_remove_auto_add... OK
  Applying admin.0003_logentry_add_action_flag_choices... OK
  Applying contenttypes.0002_remove_content_type_name... OK
  Applying auth.0002_alter_permission_name_max_length... OK
  Applying auth.0003_alter_user_email_max_length... OK
  Applying auth.0004_alter_user_username_opts... OK
  Applying auth.0005_alter_user_last_login_null... OK
  Applying auth.0006_require_contenttypes_0002... OK
  Applying auth.0007_alter_validators_add_error_messages... OK
  Applying auth.0008_alter_user_username_max_length... OK
  Applying auth.0009_alter_user_last_name_max_length... OK
  Applying auth.0010_alter_group_name_max_length... OK
  Applying auth.0011_update_proxy_permissions... OK
  Applying auth.0012_alter_user_first_name_max_length... OK
  Applying sessions.0001_initial... OK
```

15. Confirmar las migraciones con el comando: **python manage.py makemigrations**

```
C:\aplicaciones-web\comisariato>python manage.py makemigrations
Migrations for 'Facturacion':
  Aplicaciones\Facturacion\migrations\0001_initial.py
    - Create model Cliente
C:\aplicaciones-web\comisariato>
```

16. crear un super usuario con el comando: **python manage.py createsuperuser**

Definimos el nombre de usuario

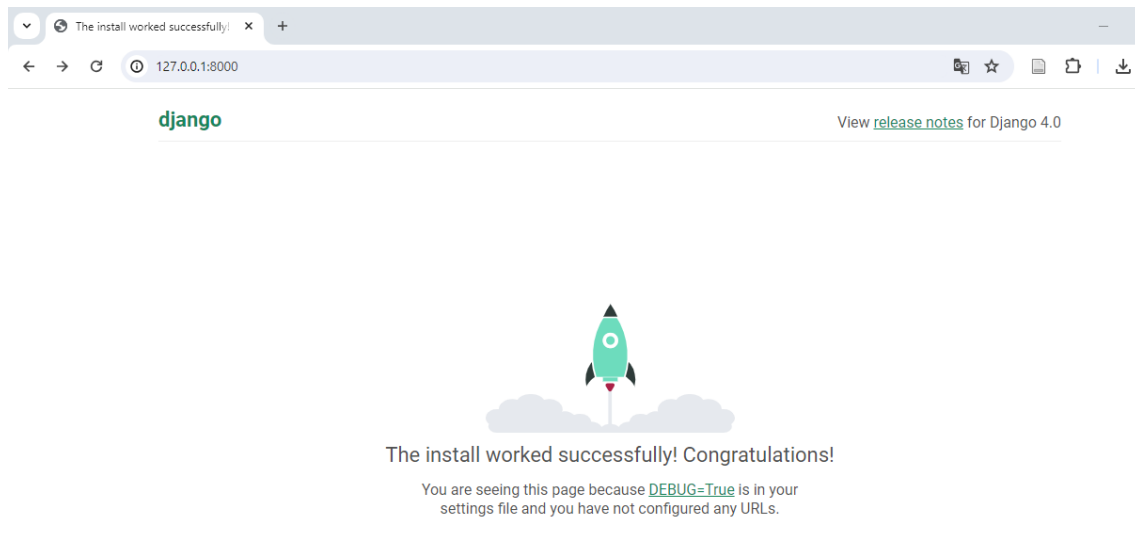
Definimos el email de acceso

Definimos una contraseña

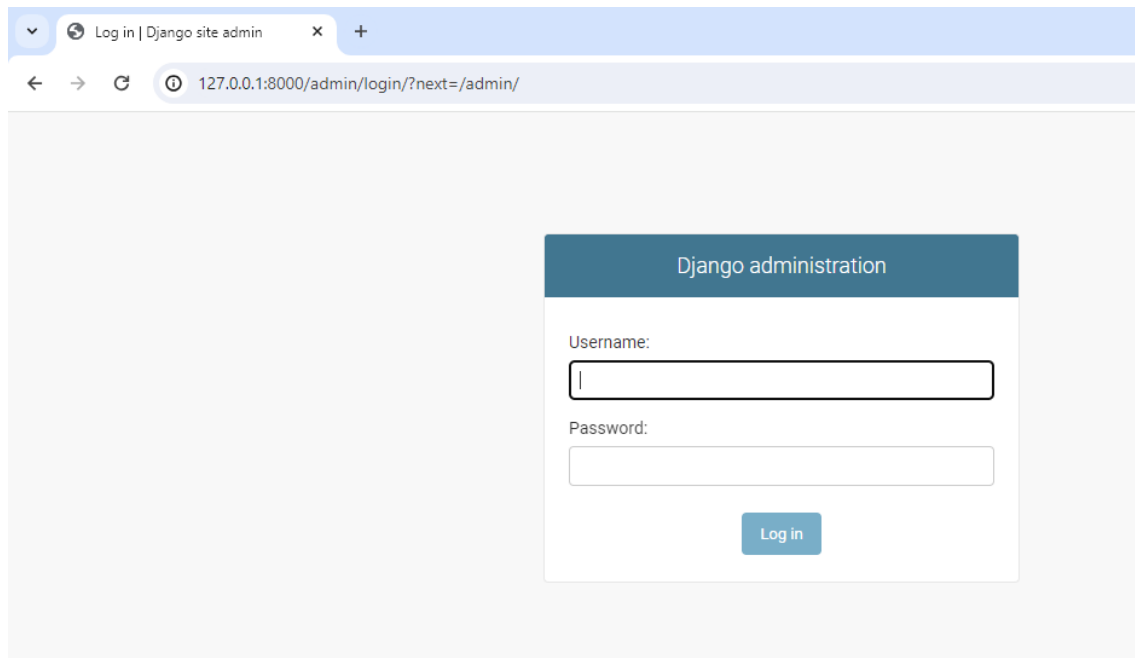
```
C:\aplicaciones-web\comisariato>python manage.py createsuperuser
You have 1 unapplied migration(s). Your project may not work properly until you apply the migrations for app(s): Facturacion.
Run 'python manage.py migrate' to apply them.
Username (leave blank to use 'dell'): rene
Email address: renequisaguano@gmail.com
Password:
Password (again):
This password is too short. It must contain at least 8 characters.
This password is too common.
This password is entirely numeric.
Bypass password validation and create user anyway? [y/N]: y
Superuser created successfully.
```

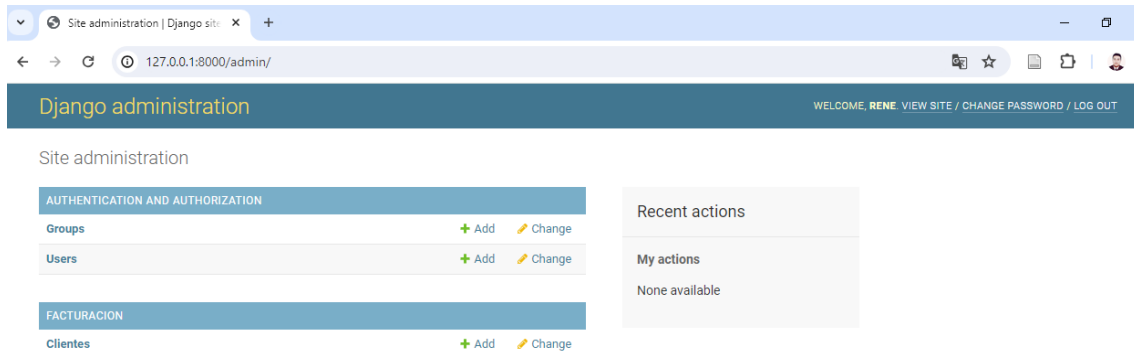
17. Correr el servidor con el comando: **python manage.py runserver**

```
C:\aplicaciones-web\comisariato>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...
System check identified no issues (0 silenced).
You have 1 unapplied migration(s). Your project may not work properly until you apply the migrations for app(s): Facturacion.
Run 'python manage.py migrate' to apply them.
June 04, 2024 - 09:18:43
Django version 4.0.6, using settings 'comisariato.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
[04/Jun/2024 09:19:01] "GET / HTTP/1.1" 200 10697
[04/Jun/2024 09:19:01] "GET /static/admin/css/fonts.css HTTP/1.1" 200 423
[04/Jun/2024 09:19:01] "GET /static/admin/fonts/Roboto-Regular-webfont.woff HTTP/1.1" 200 85876
[04/Jun/2024 09:19:01] "GET /static/admin/fonts/Roboto-Bold-webfont.woff HTTP/1.1" 200 86184
[04/Jun/2024 09:19:01] "GET /static/admin/fonts/Roboto-Light-webfont.woff HTTP/1.1" 200 85692
Not Found: /favicon.ico
[04/Jun/2024 09:19:02] "GET /favicon.ico HTTP/1.1" 404 2115
```



18. Probar el CRUD autogenerado en: <http://127.0.0.1:8000/admin>





## 19. Cambiar el idioma a español en el archivo **settings.py**:

