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Django Super User Admin-Models

Django

Install Django

- Install and official release with PIP
python -m pip install Django

Verifying
>>> import django
>>> print(django.get_version())
5.1

Django

Creating a project

```
...\> django-admin startproject mysite
```

```
mysite/
    manage.py
    mysite/
        __init__.py
        settings.py
        urls.py
        asgi.py
        wsgi.py
```

```
...\> py manage.py runserver
```

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Django

Creating a project app

```
...\> py manage.py startapp polls
```

```
polls/
    __init__.py
    admin.py
    apps.py
    migrations/
        __init__.py
    models.py
    tests.py
    views.py
```

Django

Creating our project "academy"

```
python -m pip install Django

django-admin startproject academy

py manage.py startapp courses

py manage.py runserver


python manage.py migrate

# Creating Models

# Activating Models

python manage.py makemigrations courses

# Creating an admin user

python manage.py createsuperuser
```

Django

Installed Apps

django.contrib.admin – The admin site.

django.contrib.auth – An authentication system.

django.contrib.contenttypes – A framework for content types.
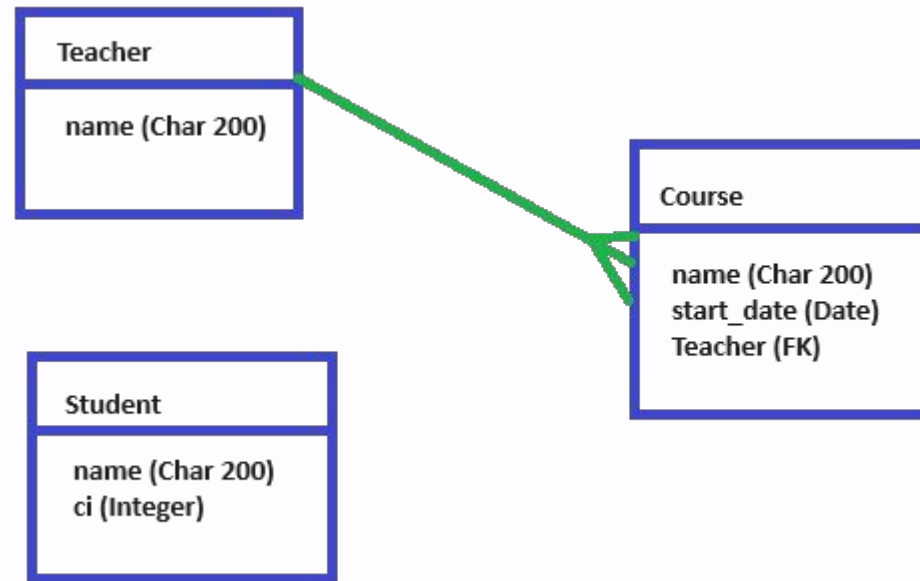
django.contrib.sessions – A session framework.

django.contrib.messages – A messaging framework.

django.contrib.staticfiles – A framework for managing static files.

Django - Models

academy models

Teacher
name (Char 200)

Course
name (Char 200)
start_date (Date)
Teacher (FK)

Student
name (Char 200)
ci (Integer)

Django - Models

academy models

python manage.py makemigrations courses

python manage.py sqlmigrate courses 0001

python manage.py migrate

python manage.py runserver

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Django - Models

academy models

Ejercicio:

Crear la relación:

- Un "Course" tiene muchos "Students"
- Actualizar el Admin para que se puedan agregar "Students" a un "Course"

Python - Django

Useful links

- https://docs.djangoproject.com/en/5.1/ref/models/fields/
- https://docs.djangoproject.com/en/5.1/intro/tutorial07/

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