



INGENIERÍA EN TECNOLOGÍAS DE LA INFORMACIÓN E INNOVACIÓN DIGITAL

Asignatura: Aplicaciones Web

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Actividad: PRÁCTICA 08

Grupo: 04_01

Captura de MongoDB con la colección creada

The screenshot shows the MongoDB Compass interface. On the left, the sidebar displays connections: Angular, admin, cartelera_cultural (selected), config, and local. The main area shows the 'eventos' collection under the 'cartelera_cultural' database. The 'Documents' tab is selected, showing three documents. Each document contains the following JSON data:

```
_id: ObjectId('6996225dd32f39cf2edec602')
titulo: "Concierto Sinfónico"
fecha: "2026-03-15"
lugar: "Teatro Hidalgo"
precio: 250
```

Below the documents, a message indicates: "Compass 1.49.1 installed successfully".

Captura del JSON en navegador

The screenshot shows a browser window with the address bar set to 127.0.0.1. The title bar says "P8: Flask-Angular-Servicios-Mongo". The main content area displays the JSON data captured from the '/eventos' endpoint:

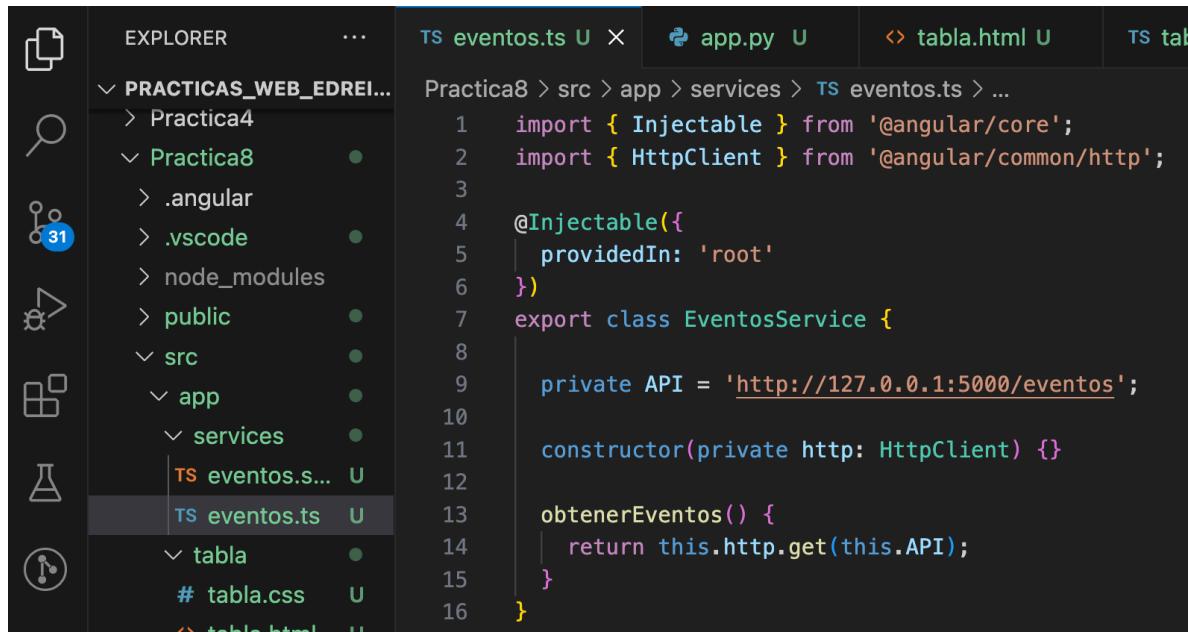
```
[
  {
    "fecha": "2026-03-15",
    "lugar": "Teatro Hidalgo",
    "precio": 250,
    "titulo": "Concierto Sinf\u00f3nico"
  },
  {
    "fecha": "2026-03-15",
    "lugar": "Teatro Hidalgo",
    "precio": 250,
    "titulo": "Concierto Sinf\u00f3nico"
  },
  {
    "fecha": "2026-03-15",
    "lugar": "Teatro Hidalgo",
    "precio": 250,
    "titulo": "Concierto Sinf\u00f3nico"
  }
]
```

Captura de Angular mostrando tabla con datos de MongoDB

Cartelera Cultural

Título	Fecha	Lugar	Precio
Concierto Sinfónico	2026-03-15	Teatro Hidalgo	\$250
Concierto Sinfónico	2026-03-15	Teatro Hidalgo	\$250
Concierto Sinfónico	2026-03-15	Teatro Hidalgo	\$250

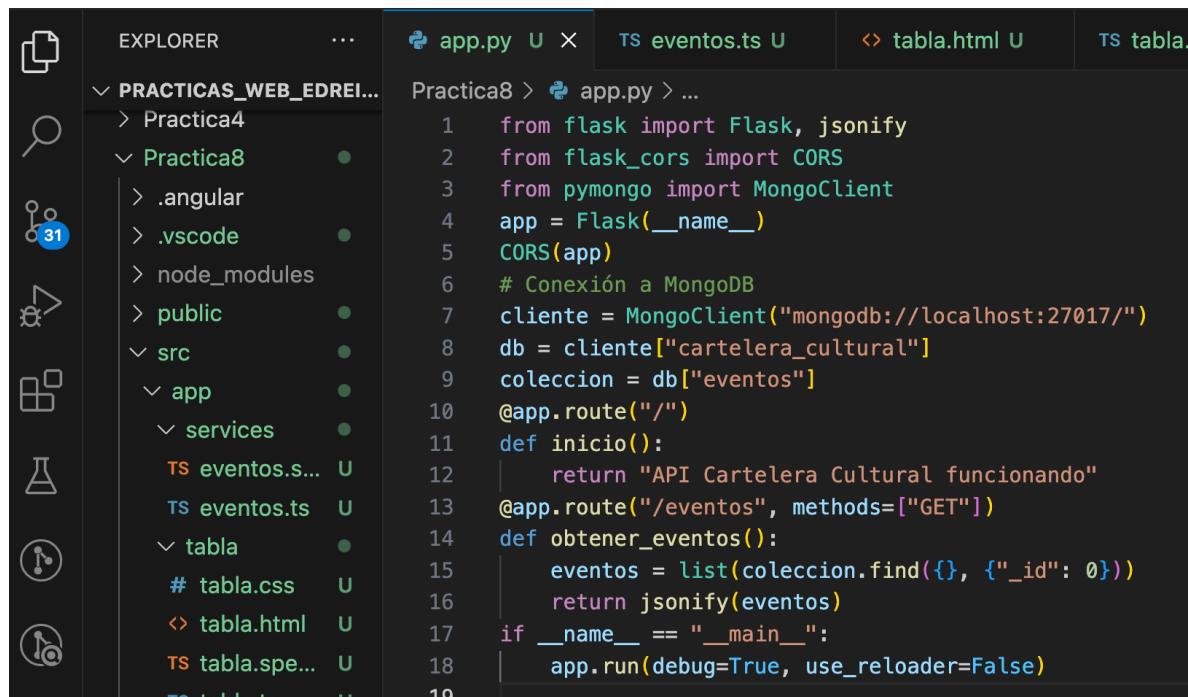
Servicio de Angular



The screenshot shows the VS Code interface with the Explorer sidebar on the left displaying the project structure. The current file being edited is `eventos.ts` under the `src/app/services` directory. The code implements a service named `EventosService` that uses the `HttpClient` to fetch data from a local API endpoint.

```
import { Injectable } from '@angular/core';
import { HttpClient } from '@angular/common/http';
@Injectable({
  providedIn: 'root'
})
export class EventosService {
  private API = 'http://127.0.0.1:5000/eventos';
  constructor(private http: HttpClient) {}
  obtenerEventos() {
    return this.http.get(this.API);
  }
}
```

Ruta de Flask



The screenshot shows the VS Code interface with the Explorer sidebar on the left displaying the project structure. The current file being edited is `app.py` under the `src` directory. The code defines a Flask application that connects to a MongoDB database and provides a route to retrieve event data.

```
from flask import Flask, jsonify
from flask_cors import CORS
from pymongo import MongoClient
app = Flask(__name__)
CORS(app)
# Conexión a MongoDB
cliente = MongoClient("mongodb://localhost:27017/")
db = cliente["cartelera_cultural"]
colección = db["eventos"]
@app.route("/")
def inicio():
    return "API Cartelera Cultural funcionando"
@app.route("/eventos", methods=["GET"])
def obtener_eventos():
    eventos = list(colección.find({}, {"_id": 0}))
    return jsonify(eventos)
if __name__ == "__main__":
    app.run(debug=True, use_reloader=False)
```