



# **Universidad Politécnica de Pachuca**

## **Ingeniería en Tecnologías de la Información e Innovación Digital**

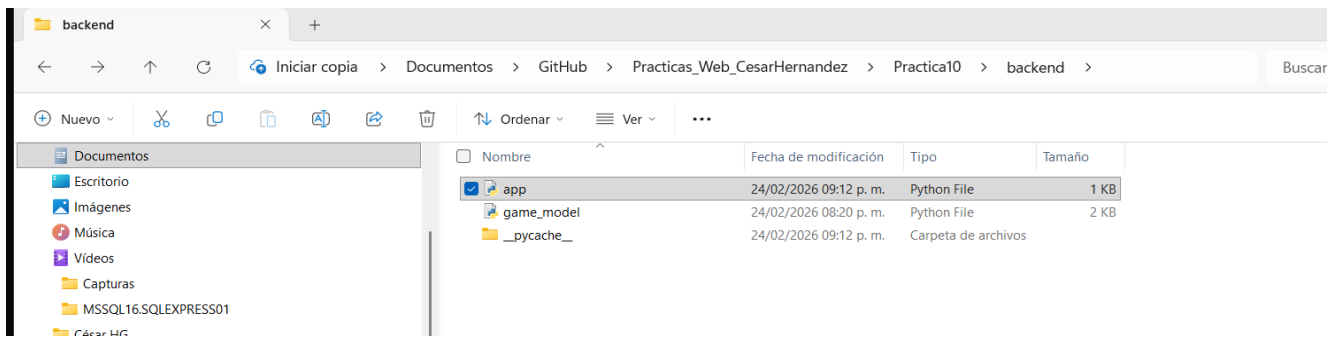
**APLICACIONES WEB**

**P10: PRÁCTICA 10**

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Docente: Diana Xochitl Ruano Vargas

Fecha: Pachuca, Hidalgo  
27/02/2026



```
app.py - C:\Users\cesar.SHIZA\Documents\GitHub\Practicas_Web_CesarHernandez\Practica...
File Edit Format Run Options Window Help
from flask import Flask, request, jsonify
from flask_cors import CORS
from game_model import (
    get_all_games,
    create_game,
    delete_game,
    update_game
)

app = Flask(__name__)
CORS(app)

@app.route('/games', methods=['GET'])
def get_games():
    games = get_all_games()
    return jsonify(games)

@app.route('/games', methods=['POST'])
def add_game():
    data = request.json
    result = create_game(data)
    return jsonify(result)

@app.route('/games/<id>', methods=['DELETE'])
def remove_game(id):
    result = delete_game(id)
    return jsonify(result)

@app.route('/games/<id>', methods=['PUT'])
def edit_game(id):
    data = request.json
    result = update_game(id, data)
    return jsonify(result)

if __name__ == '__main__':
    app.run(debug=True)
```

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```
from pymongo import MongoClient
from bson.objectid import ObjectId
from bson.errors import InvalidId

client = MongoClient("mongodb://localhost:27017/")

db = client["videojuegos_db"]
collection = db["games"]

def get_all_games():
    games = list(collection.find())
    for game in games:
        game["_id"] = str(game["_id"])
    return games

def create_game(data):
    result = collection.insert_one(data)
    return str(result.inserted_id)

def delete_game(id):
    return collection.delete_one({"_id": ObjectId(id)})

def update_game(id, data):
    try:
        result = collection.update_one(
            {"_id": ObjectId(id)},
            {"$set": {
                "nombre": data["nombre"],
                "genero": data["genero"],
                "precio": data["precio"],
                "imagenUrl": data["imagenUrl"]
            }}
        )
        if result.modified_count == 1:
            return {"message": "Juego actualizado correctamente"}
        else:
            return {"message": "No se realizaron cambios"}
    except InvalidId:
        return {"error": "ID inválido"}
```

Practica10

TS home.tsTS formulario.tshome.html# home.cssTS game.tsX

frontend > src > app > services > TS game.ts > Game > deleteGame

You, 6 minutes ago | 1 author (You)

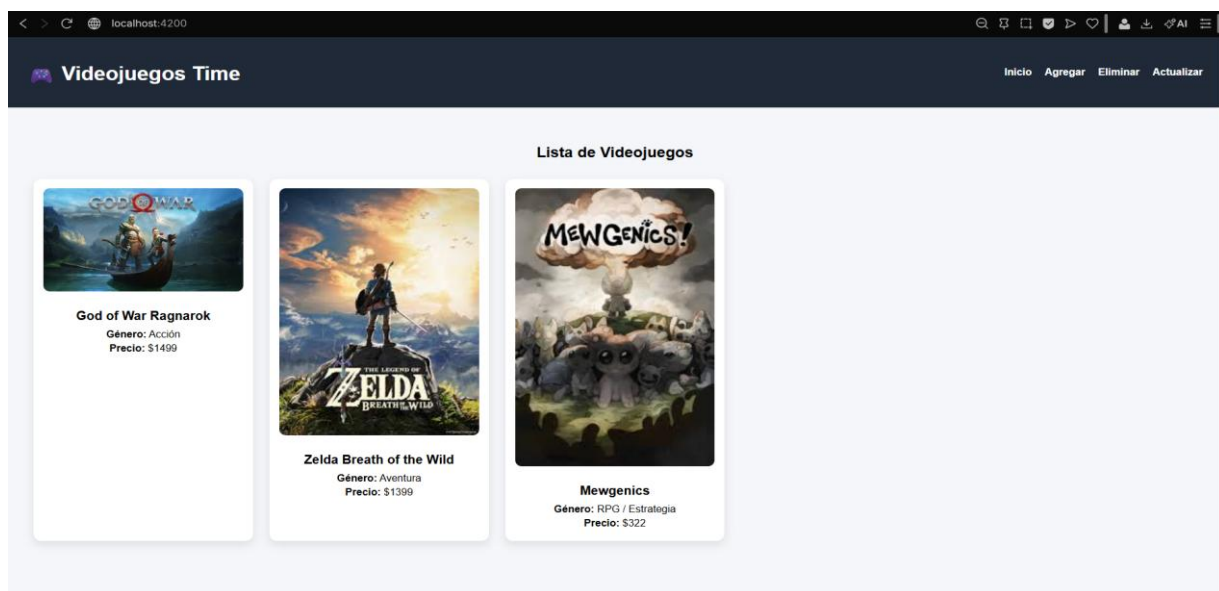
```
1 import { Injectable } from '@angular/core';
2 import { HttpClient } from '@angular/common/http';
3 import { Observable } from 'rxjs';
4
5 @Injectable({
6   providedIn: 'root'
7 })
8 export class Game {
9
10   private apiUrl = 'http://localhost:5000/games';
11
12   constructor(private http: HttpClient) {}
13
14   getGames(): Observable<any[]> {
15     return this.http.get<any[]>(this.apiUrl);
16   }
17
18   createGame(game: any): Observable<any> {
19     return this.http.post(this.apiUrl, game);
20   }
21
22   deleteGame(id: string): Observable<any> {
23     return this.http.delete(`${this.apiUrl}/${id}`);
24   }
25
26   updateGame(id: string, game: any): Observable<any> {
27     return this.http.put(`${this.apiUrl}/${id}`, game);
28   }
29 }
```


You, 6 minutes ago

```
Practica10

# home.css x TS game.ts TS app.routes.ts x TS app.ts # styles.css

frontend > src > app > TS app.routes.ts > ...
You, 8 minutes ago | 1 author (You)
1 import { Routes } from '@angular/router';
2 import { Home } from './home/home';
3 import { Formulario } from './formulario/formulario';
4 import { Listado } from './listado/listado';
5 import { Actualizar } from './actualizar/actualizar';
6
7 export const routes: Routes = [
8   { path: '', component: Home },
9   { path: 'agregar', component: Formulario },
10  { path: 'eliminar', component: Listado },
11  { path: 'actualizar', component: Actualizar },
12  { path: '**', redirectTo: '' }
13 ];
```




 **Videojuegos Time**

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### Eliminar Videojuego


- God of War Ragnarok [Eliminar](#)
- Zelda Breath of the Wild [Eliminar](#)
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God of War Ragnarok		1499	<a href="#">Actualizar</a>
Zelda Breath of the Wild		1399	<a href="#">Actualizar</a>
Mewgenics		322	<a href="#">Actualizar</a>

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### Agregar Videojuego

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