

Tarea

Tema: AJAX

Nota

Estudiante	Escuela	Asignatura
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Laboratorio	Tema	Duración
	AJAX	04 horas

Semestre académico	Fecha de inicio	Fecha de entrega
2043 - A		

1. TAREA

2. URL DE REPOSITORIO GITHUB

- URL para el Repositorio GitHub.
- <https://github.com/franco0209/p2wteoria>
- URL para el laboratorio 3 en el Repositorio GitHub.
- <https://github.com/franco0209/p2wteoria>

3. EJERCICIO PROPUESTO

■ PYTHON

```
from flask import Flask, request, jsonify, render_template
import sqlite3

app = Flask(__name__)
DATABASE = 'imdb.db'

def query_db(query, args=(), one=False):
    con = sqlite3.connect(DATABASE)
    cur = con.cursor()
```

```
cur.execute(query, args)
rv = cur.fetchall()
con.close()
return (rv[0] if rv else None) if one else rv

@app.route('/')
def index():
    return render_template('index.html')

@app.route('/search_actor', methods=['GET'])
def search_actor():
    actor_name = request.args.get('actor')
    print(f"Searching for actor: {actor_name}") # Debugging
    query = """
        SELECT Actor.Name, Movie.Title
        FROM Actor
        JOIN Casting ON Actor.ActorId = Casting.ActorId
        JOIN Movie ON Movie.MovieID = Casting.MovieID
        WHERE Actor.Name LIKE ?
    """
    actors = query_db(query, ('%' + actor_name + '%',))
    print(f"Query results: {actors}") # Debugging
    results = {}
    for actor, movie in actors:
        if actor not in results:
            results[actor] = []
        results[actor].append(movie)
    print(f"Formatted results: {results}") # Debugging
    return jsonify(results)

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

Search for an Actor

Results:

- Leonardo DiCaprio: Titanic

■ HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>IMDb Actor Search</title>
</head>
<body>
  <h1>Search for an Actor</h1>
  <input type="text" id="actorName" placeholder="Enter actor name">
  <button onclick="searchActor()">Search</button>
  <h2>Results:</h2>
  <ul id="results"></ul>

  <script>
    function searchActor() {
      const actorName = document.getElementById('actorName').value;
      fetch('/search_actor?actor=${actorName}')
        .then(response => response.json())
        .then(data => {
```

```
const resultsList = document.getElementById('results');
resultsList.innerHTML = '';
for (let actor in data) {
  const li = document.createElement('li');
  li.textContent = `${actor}: ${data[actor].join(', ')}';
  resultsList.appendChild(li);
}
});
}
</script>
</body>
</html>
```