

## ES 6 Part 2 - Guided Project

### Introduction

We will be building a **Movie Db application**. The goal of this project is to create a web-based application that allows users to browse and search for information about a collection of movies. The application should provide details about each movie, including its title, genre, director, release year, plot, cast, and a poster image.

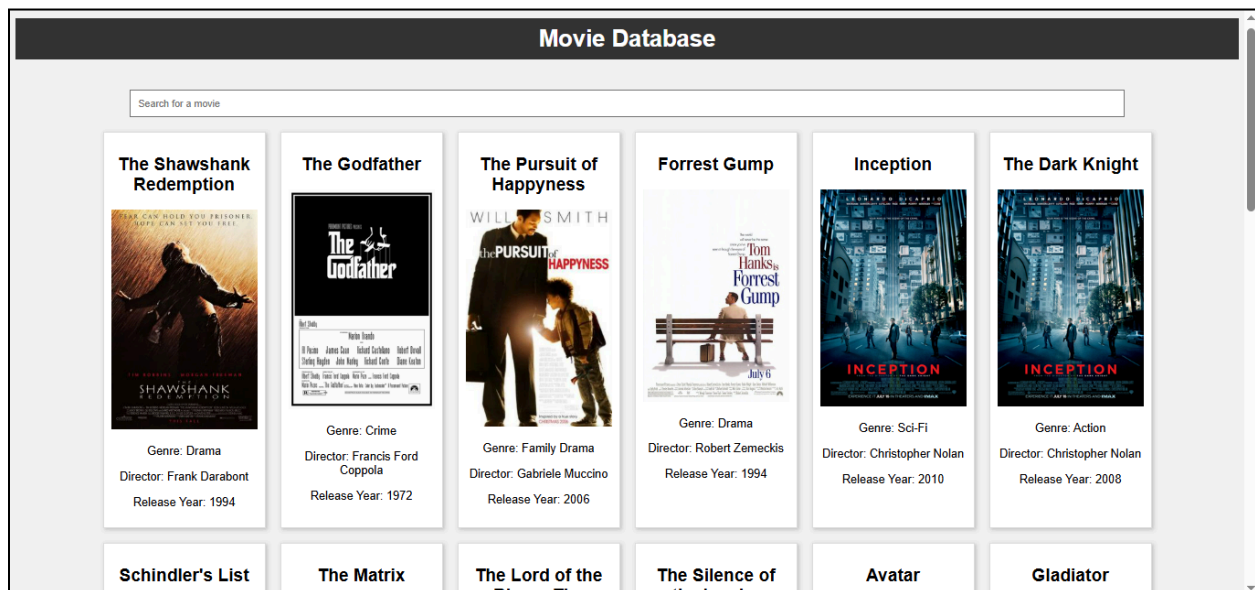
While building this application, we will be using various concepts like `map()`, `filter()`, `find()`, arrow functions, objects, encapsulation etc.

### Problem Statement

In this project, we will build a **Movie Db application** that helps users browse and search for information about a collection of movies. The application should have the following features :

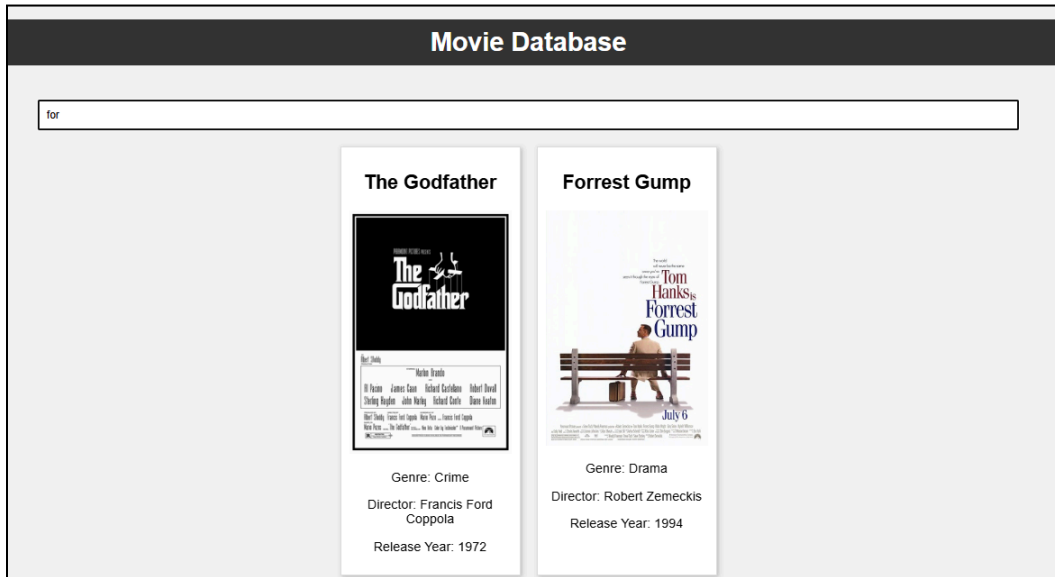
#### 1. Movie Listing

- Display a list of movies with basic information, including the movie title, genre, director, and a small poster image.



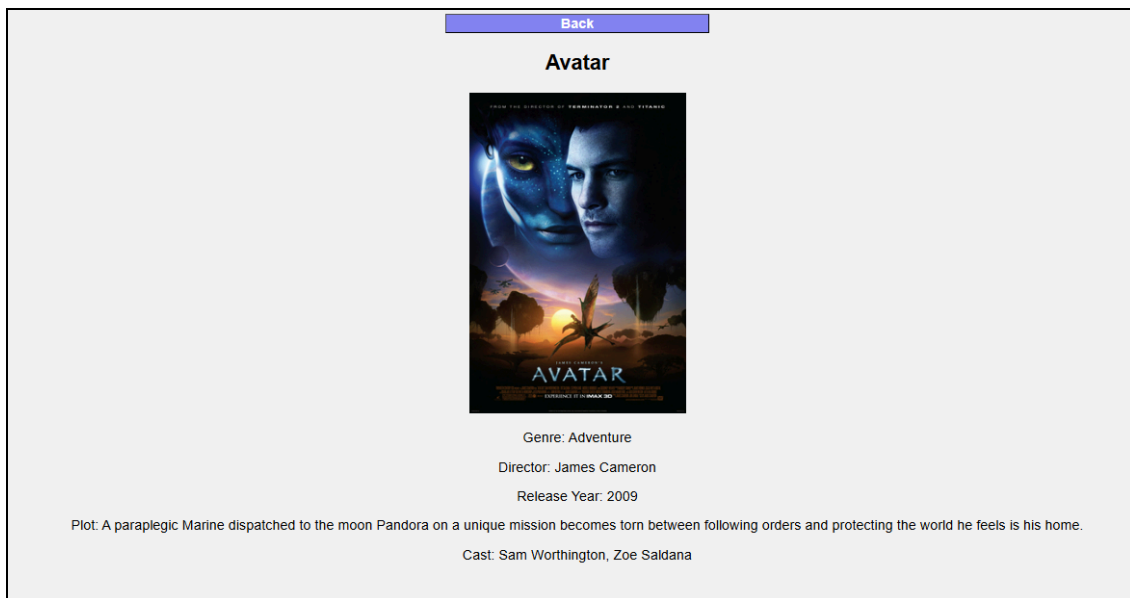
## 2. Search Functionality

- Allow users to search for movies by entering keywords (e.g., title, genre, director, cast) in a search bar.
- The application should update the movie list in real-time as users type in their search queries.



## 3. Movie Details

- When a user clicks on a movie card, display detailed information about the selected movie, including the full plot, cast, and a larger poster image.
- Include a "Back" button to return to the list of movies.




#### 4. Filter

- Implement the ability to filter movies by title, genre, director or cast, enabling users to select a specific title or genre or director or cast and see only movies in that category.


Christopher Nolan

**Inception**




Genre: Sci-Fi  
Director: Christopher Nolan  
Release Year: 2010

**The Dark Knight**




Genre: Action  
Director: Christopher Nolan  
Release Year: 2008

**Interstellar**



Genre: Sci-Fi  
Director: Christopher Nolan  
Release Year: 2014

**The Prestige**



Genre: Drama  
Director: Christopher Nolan  
Release Year: 2006