

## 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.

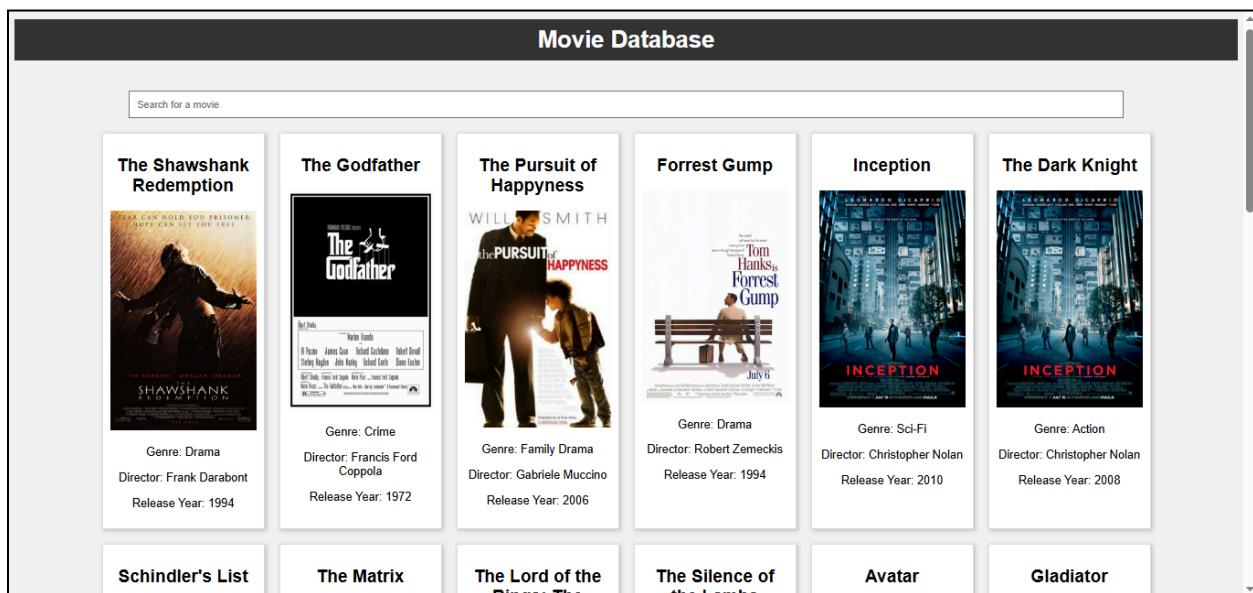
While building this application, we will be using various concepts like map(), filter(), find(), arrow functions, objects, encapsulation etc.

### 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.

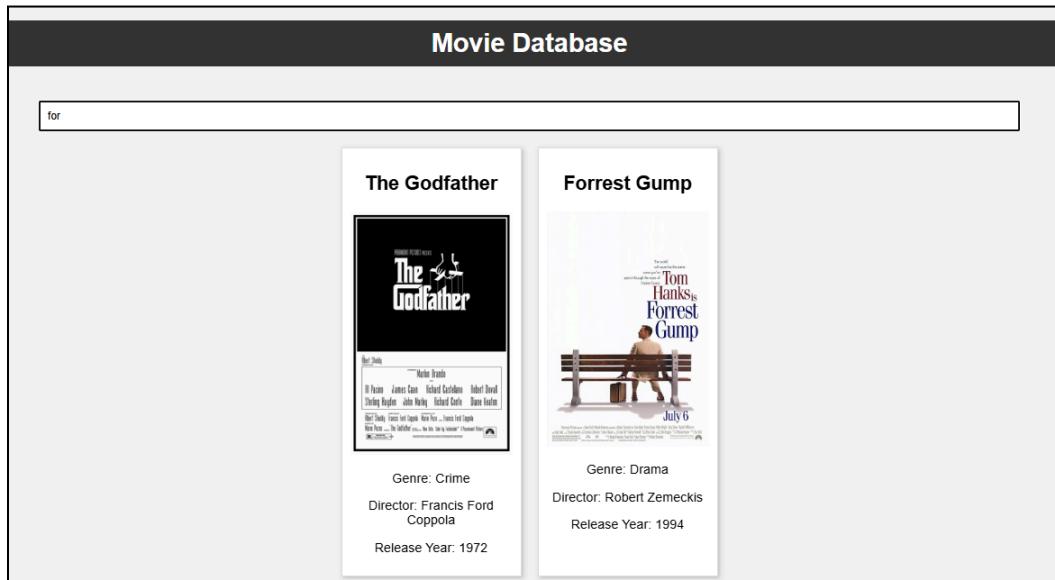


The screenshot shows a user interface for a "Movie Database". At the top, there is a dark header bar with the title "Movie Database". Below it is a search bar containing the placeholder text "Search for a movie". The main content area displays a grid of movie cards, each featuring a movie poster, the title, and some basic details. The cards are arranged in two rows. The first row contains six cards: "The Shawshank Redemption", "The Godfather", "The Pursuit of Happyness", "Forrest Gump", "Inception", and "The Dark Knight". The second row contains four cards: "Schindler's List", "The Matrix", "The Lord of the Rings: The Return of the King", "The Silence of the Lambs", "Avatar", and "Gladiator". Each card includes the movie title, genre, director, and release year.

Movie Title	Genre	Director	Release Year
The Shawshank Redemption	Drama	Frank Darabont	1994
The Godfather	Crime	Francis Ford Coppola	1972
The Pursuit of Happyness	Family Drama	Gabriele Muccino	2006
Forrest Gump	Drama	Robert Zemeckis	1994
Inception	Sci-Fi	Christopher Nolan	2010
The Dark Knight	Action	Christopher Nolan	2008
Schindler's List			
The Matrix			
The Lord of the Rings: The Return of the King			
The Silence of the Lambs			
Avatar			
Gladiator			

## 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.



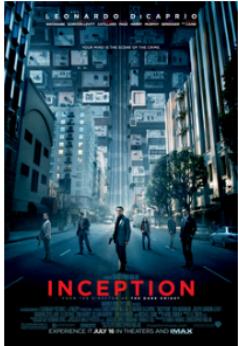
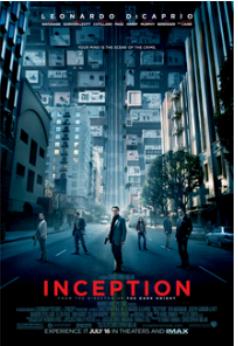
## 3. Movie Details

- 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			
<b>Inception</b>  Genre: Sci-Fi Director: Christopher Nolan Release Year: 2010	<b>The Dark Knight</b>  Genre: Action Director: Christopher Nolan Release Year: 2008	<b>Interstellar</b>  Genre: Sci-Fi Director: Christopher Nolan Release Year: 2014	<b>The Prestige</b>  Genre: Drama Director: Christopher Nolan Release Year: 2006