



Bachelor of IT (Computer Science)
Assignment 2 - Client-Side React Application
CAB230 - Web Computing

Dane Madsen
n10983864@qut.edu.au

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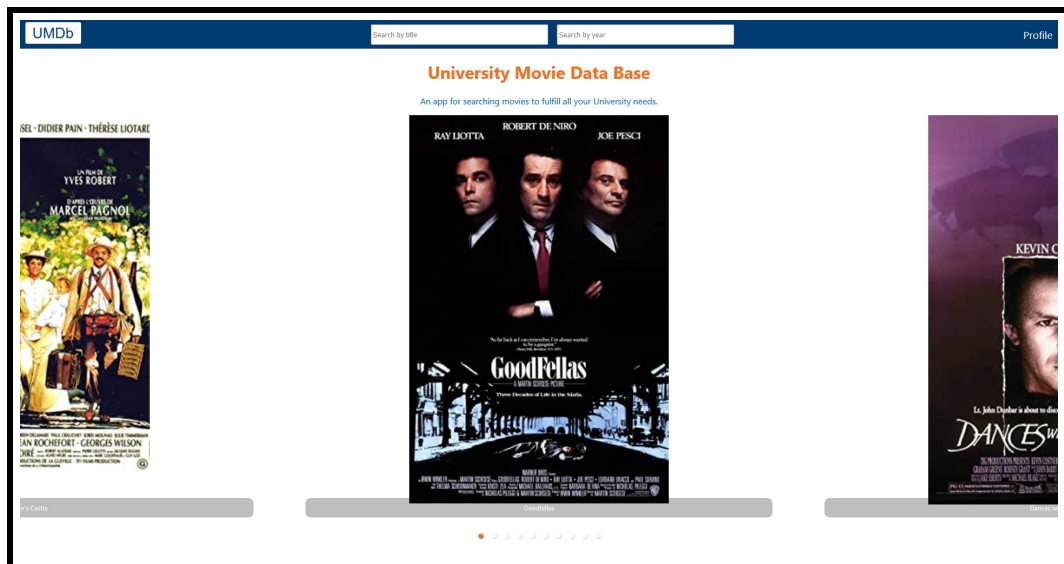
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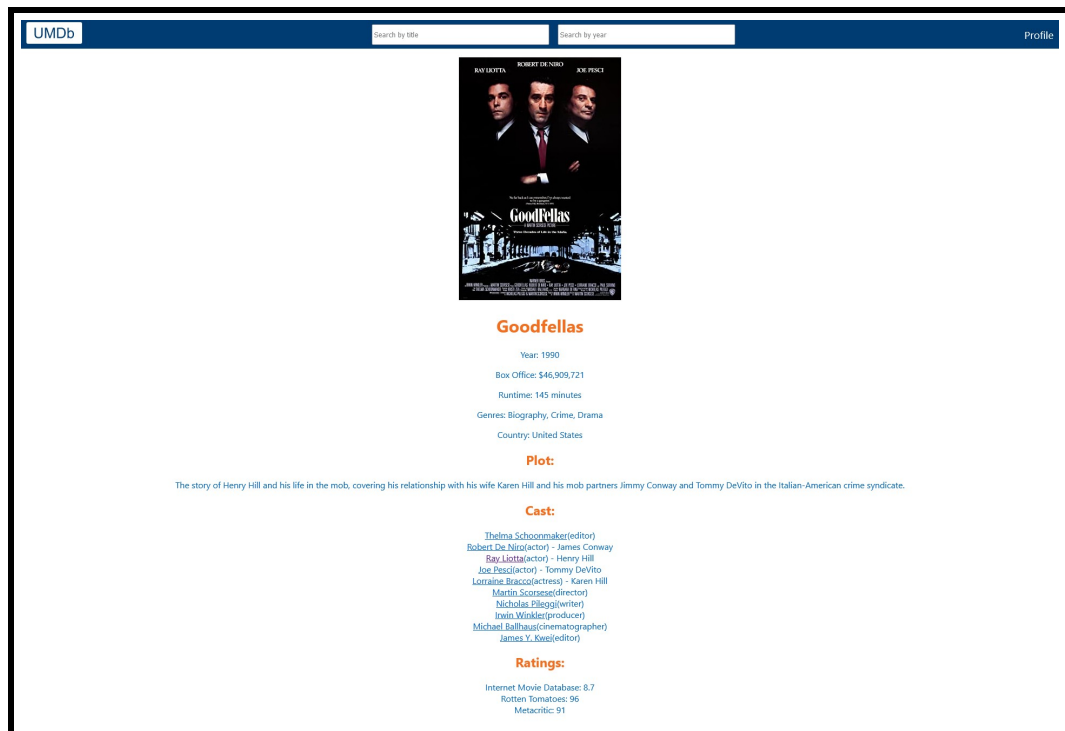
1 Introduction

1.1 Purpose and Description

The purpose of this react application is to collate and display information regarding movies, and cast members to the user in a responsive and accessible manner. The application should allow the user to search for movies by year or title and display the results in a list. When a movie is selected, the application should display all the details of the movie, including the year the movie was made, the plot of the movie and all the cast members involved with the movie. The application should also allow the user to visit individual pages of cast members where the user can view that cast members details, including their birth year, death year and all the movies they have been involved with.

It achieve this goal and to provide the user with the best experience I can, i have used a number of advanced react features, including the use of react router, IntesectionObserver and react-responsive-carousel. The use of these features has allowed me to create a professional looking application that is both easy to use and responsive for the user.





1.2 Completeness and Limitations

This implementation covers all the requirements of the assignment specification. Navigation is handled using react router, controlled forms are used for all user input, and every 10 minutes the refresh token is used to get a new access token. In addition to this, the application uses ag-grid to display the search results in an infinitely scrolling grid and react-responsive-carousel to display the highest scoring movies of all time on the home (landing) page. On the person page the movies the person is involved in are displayed in a grid with the IMDb Rating.

2 Use of End Points

2.1 /movies/search

This endpoint is utilised by two search forms at the top of the application. The first search form is for the user to search for movies by title, and the second is for the user to search for movies by year. Both of these forms are controlled forms and can be accessed from any page in the application. Doing it this way removes an extra layer of complexity for the user and allows them to get into the function of the application right from the start of the application.

UMDb	good		Search by year		Profile
Title	Year	IMDb Rating	Rotten Tomatoes Rating	Metacritic Rating	Classification
Goodfellas	1990	8.7	96	91	R
A Few Good Men	1992	7.7	84	62	R
The Good Son	1993	6.4	25	45	R
The Long Kiss Goodnight	1996	6.8	68	44	R
Good Burger	1997	5.7	33	41	PG
Good Will Hunting	1997	8.3	97	70	R
Midnight in the Garden of Good and Evil	1997	6.6	50	57	R
As Good as It Gets	1997	7.7	86	67	PG-13
Good Advice	2001	6.2	33		R
The Good Girl	2002	6.4		71	R
The Good Thief	2002	6.5	77	68	R
No Good Deed	2002	5.4	25		R
Good Bye Lenin!	2003	7.7	90	68	R
The Good Shepherd	2006	6.7	56	61	R
Goodbye, Dragon Inn	2003	7.1	81	83	N/A
A Good Woman	2004	6.5	37	53	PG
In Good Company	2004	6.5	82	66	PG-13
A Good Year	2006	6.9	26	47	PG-13

2.2 /movies/data/{imdbID}


This endpoint is utilised by the movie page to get the details of the movie the user has selected. The movie page is accessed by clicking on any of the movies in the search results. The movie page displays all the details of the movie, including the title, year, box office earnings, runtime, genre, country of origin, plot, cast and ratings. each cast member is a clickable link that will lead to that cast members respective page.

UMDb

Fight C

Search by year

Profile



Fight Club

Year: 1999
Box Office: \$37,030,102
Runtime: 139 minutes
Genres: Drama
Country: Germany, United States

Plot:
An insomniac office worker and a devil-may-care soap maker form an underground fight club that evolves into much more.

Cast:
[Att. Linson](#)(producer)
[Brad Pitt](#)(actor) - Tyler Durden
[Edward Norton](#)(actor) - Narrator
[Meat Loaf](#)(actor) - Robert Paulsen
[Zach Grenier](#)(actor) - Richard Chesler (Regional Manager)
[David Fincher](#)(director)
[Chuck Palahniuk](#)(writer)
[Jim Ullian](#)(writer)
[Ross Grayson Bell](#)(producer)
[Celan Chaffin](#)(producer)

Ratings:
Internet Movie Database: 8.8
Rotten Tomatoes: 79
Metacritic: 66

2.3 /people/{id}