

# Name

Video Catalog

## Expected Time to Solve Problem

16 hours

## Description

Create a React app to fetch movies using the OMDB API. The app will define a single component MovieList and maintain state within the component. The app will have 3 main features

1. Pagination to move back and forth between search result pages
2. Search input to search video using a key
3. Movie type selector – OMDB define 3 types for videos – movie, series and episode – you should provide for filtering based on these; or no filtering if user selects ALL (see mocks below)

<http://www.omdbapi.com/>

You will need to generate an API key by using

<http://www.omdbapi.com/apikey.aspx>

**Note:** There is a limit of 1000 hits on daily usage for free tier.

For making Ajax calls please **use only axios**.

<https://www.npmjs.com/package/axios>

Use Redux (along with react-redux package) to store state of the application.

Please stick to the following specifications (otherwise your evaluation will fail).

- Movie list Component should be called MovieList
- The state shall be stored in Redux. The first page loaded will be page 1 with search being 'american', and no filtering based on type.
- Each time user searches by key (e.g. Indian), the page should be set to 1 when call for new page is made (with new search key)
- Each time user changes video type, the page should be set to 1 when call for new page is made (with the new video type)
- Below the pagination elements the number of results and the results shown should be indicated.
- Page should display appropriate page loading and error messages

## Mockup

### 1. Initial screen

Page 1 and search for American. No filtering.

## Video Catalog








« 1 2 3 4 5 »

american

Search

ANY movie series episode

Showing 1 - 10 of 3803

	Title	Year	Type
	American Beauty	1999	movie
	American History X	1998	movie
	American Psycho	2000	movie
	American Hustle	2013	movie
	American Sniper	2014	movie
	American Gangster	2007	movie
	American Pie	1999	movie

## 2. Sample loading screen (error screen is similar but with error message)

### Video Catalog

« »

american

Search

ANY movie series episode

Loading...

### Extra credits:

Include React router in the app and make sure every search-filter-pagination combo has a unique URL based on which page is displayed.

You can design the URL this way (only an example - you can design differently)

<http://localhost:3000/?s=american&p=3&type=movie> can display page 3 in movie matches for “american” keyword(s).