**App.js:**

import './App.css';

import SearchBar from './SearchBar';

function App() {

  return (

    <div className="App">

      <h1>Movie App</h1>

      <SearchBar></SearchBar>

    </div>

  );

}

export default App;

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**SearchBar.js:**

import React, { useState, useEffect } from 'react';

import axios from 'axios';

import MovieList from './MovieList';

import Loading from './Loading';

import Error from './Error';

function SearchBar ()  {

  let [movies, setMovies] = useState([]);

  let [filteredMovies, setFilteredMovies] = useState([]);

  let [query, setQuery] = useState('');

  let [searchType, setSearchType] = useState('title'); // Default search type is by title

  let [loading, setLoading] = useState(false);

  let [error, setError] = useState('');

  useEffect(() => {

    setLoading(true);

    axios.get('http://localhost:3000/movies')

      .then(result => {

        setMovies(result.data);

        setLoading(false);

        setError(''); // Clear any previous error message

      })

      .catch(error => {

        setError('Failed to fetch movies. Please try again later.');

        setLoading(false);

      });

  }, []);

  let handleSearch = () => {

    if (!query.trim()) {

      setError('Please enter a search Criteria.');

      setFilteredMovies([]);

      return;

    }

    let filtered = movies.filter(movie => {

      let lowerCaseQuery = query.toLowerCase();

      if (searchType === 'title' && movie.title) {

        return movie.title.toLowerCase().includes(lowerCaseQuery);

      } else if (searchType === 'rating' && movie.rating) {

        return movie.rating.toString() === query;

      } else if (searchType === 'genre' && movie.genre) {

        return movie.genre.toLowerCase().includes(lowerCaseQuery);

      }

      return false;

    });

    setFilteredMovies(filtered);

    if (filtered.length === 0) {

      setError(`No movies found matching ${searchType}: ${query}`);

    } else {

      setError(''); // Clear the error message if movies are found

    }

  };

  return (

    <div>

      <div className="SearchBar">

        <input

          type="text"

          value={query}

          onChange={(e) => setQuery(e.target.value)}

          placeholder={`Search by ${searchType}...`}

        />

        <select

          value={searchType}

          onChange={(e) => setSearchType(e.target.value)}

        >

          <option value="title">Title</option>

          <option value="rating">Rating</option>

          <option value="genre">Genre</option>

        </select>

        <button onClick={handleSearch}>Search</button>

      </div>

      {loading && <Loading />}

      {error && <Error message={error} />}

      {filteredMovies.length > 0 && <MovieList movies={filteredMovies} />}

    </div>

  );

};

export default SearchBar;

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**MovieList.js:**

import React from 'react';

import MovieCard from './MovieCard';

function MovieList  ({ movies })  {

  return (

    <div className="MovieList">

      {movies.map(movie => (

        <MovieCard key={movie.title} movie={movie} />

      ))}

    </div>

  );

};

export default MovieList;

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**MovieCard.js:**

import React from 'react';

function MovieCard ({ movie })  {

  return (

    <div className="MovieCard">

      <h3>{movie.title}</h3>

      <img src={movie.poster} alt={`${movie.title} poster`} />

      <p>Year: {movie.year}</p>

      <p>Runtime: {movie.runtime}</p>

      <p>Rating: {movie.rating}</p>

      <p>Genre: {movie.genre}</p>

    </div>

  );

};

export default MovieCard;

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**Error.js:**

import React from 'react';

const Error = ({ message }) => {

  return <div className="Error">{message}</div>;

};

export default Error;

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**Loading.js:**

import React from 'react';

function Loading  ()  {

  return <div className="Loading">Loading...</div>;

};

export default Loading;

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**Movies.json:**

{

  "movies": [

    {

      "title": "The Lion King",

      "year": "2019",

      "runtime": "118 min",

      "rating" : "5",

      "genre":"animation",

      "poster": "https://m.media-amazon.com/images/M/MV5BMjIwMjE1Nzc4NV5BMl5BanBnXkFtZTgwNDg4OTA1NzM@.\_V1\_SX300.jpg"

    },

    {

      "title": "Mowgli: Legend of the Jungle",

      "year": "2018",

      "runtime": "104 min",

      "rating" : "4",

      "genre":"animation",

      "poster": "https://m.media-amazon.com/images/M/MV5BMjMzODc2NzU5MV5BMl5BanBnXkFtZTgwNTMwMTE3NjM@.\_V1\_SX300.jpg"

    },

    {

      "title": "Doctor Strange",

      "year": "2016",

      "runtime": "115 min",

      "rating" : "3",

      "genre":"sci-fi",

      "poster": "https://m.media-amazon.com/images/M/MV5BNjgwNzAzNjk1Nl5BMl5BanBnXkFtZTgwMzQ2NjI1OTE@.\_V1\_SX300.jpg"

    },

    {

      "title": "John Wick",

      "year": "2014",

      "runtime": "101 min",

      "rating" : "5",

      "genre":"action",

      "poster": "https://m.media-amazon.com/images/M/MV5BMTU2NjA1ODgzMF5BMl5BanBnXkFtZTgwMTM2MTI4MjE@.\_V1\_SX300.jpg"

    },

    {

      "title": "Inside Out",

      "year": "2015",

      "runtime": "95 min",

      "rating" : "2",

      "genre":"animation",

      "poster": "https://m.media-amazon.com/images/M/MV5BOTgxMDQwMDk0OF5BMl5BanBnXkFtZTgwNjU5OTg2NDE@.\_V1\_SX300.jpg"

    },

    {

      "title": "Coco",

      "year": "2017",

      "runtime": "105 min",

      "rating" : "2",

      "genre":"animation",

      "poster": "https://m.media-amazon.com/images/M/MV5BYjQ5NjM0Y2YtNjZkNC00ZDhkLWJjMWItN2QyNzFkMDE3ZjAxXkEyXkFqcGdeQXVyODIxMzk5NjA@.\_V1\_SX300.jpg"

    },

    {

      "title": "Zootopia",

      "year": "2016",

      "runtime": "108 min",

      "rating" : "3",

      "genre":"animation",

      "poster": "https://m.media-amazon.com/images/M/MV5BOTMyMjEyNzIzMV5BMl5BanBnXkFtZTgwNzIyNjU0NzE@.\_V1\_SX300.jpg"

    }

  ]

}