



Full Stack Developer Challenge (React and .NET)

Create a full stack application:

The back end should be in C# (.NET Core)

The front end should be in React

Your task is to build an interface for searching movies from an external API. The external API is located here:

<https://jsonmock.hackerrank.com/api/movies/search/>. You can filter this list by using a query string value of "Title" and you can set the page by using a query string value of "Page"

Requirements:

- Display an initial list of movies
- Allow users to search the list of movies by title
- Allow the user to move between pages of both the generic and searched list
- Must support Chrome, Safari, and Edge
- The front end must be in react
- The back end must be in .NET Core and should be a Web API (Restful)
- Must implement caching so repeat requests do not trigger subsequent requests to external API (subsequent requests to the .NET API are fine, but we should not ping the external API if the request is cached)
- Code should handle the possibility of API issues. Such as the API being unavailable or returning invalid/unexpected data
- The complete source code of the project must be provided
- Instructions on how to run the project must be provided (and should be standard, with no custom deployment or build tools)
- Code must run on Windows
- UI elements can be done using React Material but we are less concerned with the design, and more concerned with the approach and quality of the code itself.