Movie Search Application

You are expected to develop a movie search React.js application which uses omdb api.

Omdb provides us an open source api to get any movie data. You can get an api key from

here. (http://www.omdbapi.com/apikey.aspx ) If you have any problem getting api key,

please contact us. You can also check out api documentation in the following link.

http://omdbapi.com/

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Application should be provide following specifications.

* Application will have two pages. First one is movie search (listing) and second one is movie detail.
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  Description automatically generatedApp should be present movie image, movie name and release date in listing page row by row. Each row should contain three columns. You can see mockup design in the following.

* When user change the search keyword, app should make new api call to fetch new data. But also application should prevent unnecessary api calls when user changes the search input. Don’t make new api call as soon as input change. It should be after 300ms.
* A pagination component must be located in bottom of search page. When user change the page, get and show the items from selected page. Use ‘page’ querystring parameter to get other pages data. To calculate pagination data, use ‘totalResults’ property from response.
* If user select an item from listing page, the app will be navigate to movie detail page. You can see mockup design in the following.

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* Mockups only shows that what will the application seems to be. Feel comfortable to designing the app.
* We are expecting to see all ui components well organized. Both pages (search and detail) must be splitted to components properly. Show us how to reuse your components.

**Bonus Items**

* Api returns 10 item in one call. Find a way to show 20 item in per page.
* Use client side caching for reduce your api calls and explain it how to achieve this.
* Unit Tests
* Reusable components

Additional Informations

* No need to server side rendering.
* You can use any styling library such as bootstrap, bulma.
* You can select any react boilerplate application to develope this app. But you should be careful to select a simple and understandable one. There is no need to build complex project structure.
* You can use any .js or .css bundler to bundle your code. Webpack is preferred.
* To fetch data, you can use a library such as axios.
* We would like to know how much time you spend on implementing the app.
* We are expecting to get a simple explanation (or a simple doc like .readme) from you to how to run this app and things you want to explain.
* You can share with us completed project via github or compressed file. Github is preferred.
* Please do not send us rewritten projects.

Good lucks :)