Frontend - Technical Evaluation

¡Hello! We are happy to present you the Frontend Technical evaluation that you must complete. This test is meant to help us analyze your abilities according to the position. Yo define the time you need to finish the test, but consider that as soon as we have your answer, the sooner we can provide feedback.

Recommendations:

- Read all the information asked on this test before the start
- Focus on what the sentence ask and the requirements
- Don't provide functions that aren't requested.

Requirements you must accomplish:

- Using ReactJs.
- Your test should have a README that contains only the instructions for executing it.
- We consider value-added using React Hooks and not using Redux.
- Optional Technologies:
    - Typescript
    - Test with Jest
    - Sass
    - Webpack

The task consist of creating a Data Table List following the next specifications:

- The elements that contain cities-of-china.json must load on the left part of the table.
- They must be able to be selected or unselected one by one and all at the same time with a checkbox. At the same time, all those selected should appear on the right.
- It must allow "search" by an input text.
- When the elements are filtered by the search, and by clicking on the general checkbox, they must be able to be selected or unselected only the filtered elements.
- The items that are in the right should have an "X" to be able to eliminate their selection.
- In the top part of the right column should be shown the counting of the elements selected
- Each item on the list should follow the next indications:
    - The attribute id must be used to operate
    - The attribute name must be inserted in "name"
    - The attribute chineseName must be inserted in Metadata

It must look similar like this:

Optional:

Both columns are supposed to contain many items. Therefore, not to be so not "rendered" at the same time all of them, and improve the performance, generate an infinite scroll that adds 20 elements to 20.

If you have any questions, please do not hesitate to ask.

We are waiting for your response.

Bests of lucks!