Your goal is to create a page showing a list of hotels and their rooms.

Please use [React](https://reactjs.org/) and (preferably) [Typescript](https://www.typescriptlang.org/) to implement this challenge as this is our platform of choice. There are no other restrictions on technology choices.

To get the information to present, you will need to query the following API:

<https://obmng.dbm.guestline.net/api/hotels?collection-id=OBMNG>

This returns a list of hotels, with an Id. The Id can be used to query this query for the room types:

https://obmng.dbm.guestline.net/api/roomRates/OBMNG/[hotelId] for example, https://obmng.dbm.guestline.net/api/roomRates/OBMNG/OBMNG1

Guests using the site should be able to:

* Filter based on the star rating of the hotel, that is, given I, have selected 3 stars, then I am able to see all hotels with a 3 and above rating.
* Filter based on the capacity of the room. That is when I have selected 1 adult and 1 child then I am able to see all rooms with at least that capacity. Therefore, I will not be shown any rooms which do not accept children.
* View all images of the displayed hotel
* See hotel details (including hotel name, address and star rating) and room details (including room type, max adults, max children and long description)

For other requirements, please see the attached [mockup sketch](https://gxpservicesstagestorage.blob.core.windows.net/hotelpagecodetest/9SYKaPm4q85GqTZzno7AT3.png). Note that the mockup attempts to show hotel images. The URLs can be found in the response to the initial request.

**Submitting your solution**

We expect to build your submission locally and review its code. If you host it publicly let us know, but that's not necessary. Please send us source code (preferably a link to the public repository) with instructions on how to build it in a readme file Readme.md. We will always provide feedback about your work.