ROCKETMILES

Technical Assignment

We would like for you to create a web application that displays hotel results retrieved from an endpoint. Your application will also give the user the ability to filter the results by hotel name and sort the list by price.

The estimated time to complete this task is 2-3 hours. We respect your time and understand that you have competing priorities. If you find yourself spending significantly more time on this, please let us know, so we can help.

Getting Started

Clone **one** of the following repositories that you're most comfortable working with. Instructions to run each project are included in the README.

- React
- AngularJS

Expected Features

- We've provided the styling for you. However, we do value creativity and critical thinking, so feel free to diverge if time allows.
- There should be at least 2 components in the application, right now everything lives at the root.
- We've created a service that retrieves data from this REST endpoint: https://homework-app.rocketmiles.com/fe-homework/rates
  - Note that this endpoint is set up to respond with an HTTP status code 500 once every 20 times
  - Documentation for the API can be found at the bottom of this document
- Implement the ability to
  - filter the result set by hotel name
  - sort the result set by price in ascending order.
- Handle all cases where the application might fail or produce no results to the user gracefully. Following are some cases to consider:
  - Hotel name is not found in the list
  - No data is returned from the REST endpoint
- One unit test will be provided for you, add additional unit tests for core functionality.

Finished Product

Send us your finished application as a link to your public or private code repository or as a zip file.

We look forward to seeing what you create!

API Documentation

Request

GET https://homework-app.rocketmiles.com/fe-homework/rates

Response

For an unsuccessful response, you will receive an HTTP status code 500.

For a successful response, you will receive an HTTP status code 200, and a JSON body representing the hotel results. Example JSON Response.

```json
{
  "success": true,
  "results": {
    "total": 1,
    "hotels": [
      {
        "id": "907",
        "rewards": {
          "miles": 10000
        },
        "lowestAveragePrice": {
          "currency": "USD",
          "symbol": "&#36;",
          "amount": 579.0
        },
        "hotelStaticContent": {
          "hotelId": 907,
          "languageCode": "en",
          "mainImage": {
            "category": "EXTERIOR",
            "url": "http://d2whcypojkzby.cloudfront.net/imageRepo/2/0/68/56/314/ExteriorCarsGone_S.jpg",
            "source": "VFML"
          },
          "name": "Omni Chicago Hotel & Suites Magnificent Mile",
          "neighborhoodName": "Magnificent Mile",
          "address": {
            "line1": "676 North Michigan Avenue",
            "line2": null,
            "city": "Chicago",
            "stateName": "Illinois",
            "stateCode": "IL",
            "countryName": "United States",
            "countryCode": "US",
            "zipCode": "60611",
            "latitude": 41.89475,
            "longitude": -87.62465,
            "timeZoneId": "America/Chicago"
          },
          "stars": 4,
          "rating": 9,
          "numberOfReviews": 685,
          "brandCode": "1324",
          "brandName": "Omni Hotels",
          "propertyType": 204,
          "propertyTypeName": "Hotel"
        }
      }
    ]
  }
}
```