Sky Help Unattended Test

This will test your client-side JavaScript skills. We provide a starting point which you should have alongside this document.

It's a React app. If you've not used React before, don't be too alarmed: we've used it just enough to present a realistic challenge, and we will take your prior experience into account when assessing your submission. Check the README.md file for some pointers if you need them.

You will also need node.js installed to run the app. If you haven't already done so, please install it following the instructions here:

https://nodesource.com/blog/installing-nodejs-tutorial-windows/

Be careful with the version you pick: this test requires node 8.9.1 or later.

If you run into problems with this step, please get in touch with your Sky contact for assistance. We won't penalise you for installation issues, we're far more interested in what you can do when it's working!

When working through this test, bear in mind three things:

1. We **don't** expect you to finish everything. Don't spend more than 3 hours on it in total.
2. We **are** interested in how you work, so your git history will be part of what we assess.
3. We're **more** interested in how the code works than what the front end looks like. If you have to choose between adding a feature and making it look pretty, add the feature.

The Challenge

We run a search API for our help content. The API endpoint is here:

https://help-search-api-prod.herokuapp.com/search

You can search for Help articles by doing a GET request with the `query` parameter set to the search term. For example:

https://help-search-api-prod.herokuapp.com/search?query=broadband

The results this returns are in JSON, and look like this:

```
{
  "results": [
    {
      "title": "Fix problems with Sky Broadband",
      "url": "https://www.sky.com/help/diagnostics/sky-broadband-diagnostic/sky-broadband-diagnostic",
      "description": "Test your broadband",
      "regions": [
        "uk",
        "roi"
      ]
    },
    {
      "title": "Your Sky Broadband questions answered",
      "url": "https://www.sky.com/help/articles/your-sky-broadband-questions-answered",
      "description": "Our most frequently asked questions about Sky Broadband.",
      "regions": [
        "uk"
      ]
    },
    {
      "title": "Glossary of broadband speed terms",
      …etc.
}
```

You should make a query to this endpoint before going any further to check that you understand the query and data format. Again, if you run into problems at this step, please get in touch so we can help.

Your challenge is this:

- Add a search box and search button to the app we've given you. It should be visible when you visit http://localhost:3000/.
- When a user puts a query into the search box and either hits Enter or clicks the Search button, the app should query our search API for the set of results.
- The results should be rendered as a list on the same page, without a page refresh. The styling is up to you, but we've included Twitter Bootstrap 3 into the app to help.
- Paginate the results so that only 10 results per page are shown.
- Allow the user to select only "uk" or "roi" results.
- When the user hits the browser back button, they should be taken back to their previous query.

When you've got as far as you can, publish your code to https://github.com with any additional instructions we might need to run your submission added to the README.md file. Don't worry if you've not done this before: it's free, and the instructions are excellent.

While we do expect our candidates to be aware of unit testing, we have chosen not to concentrate on it at this stage of the process. Use them if you prefer, but don't worry if you'd prefer not to spend the time setting it up.