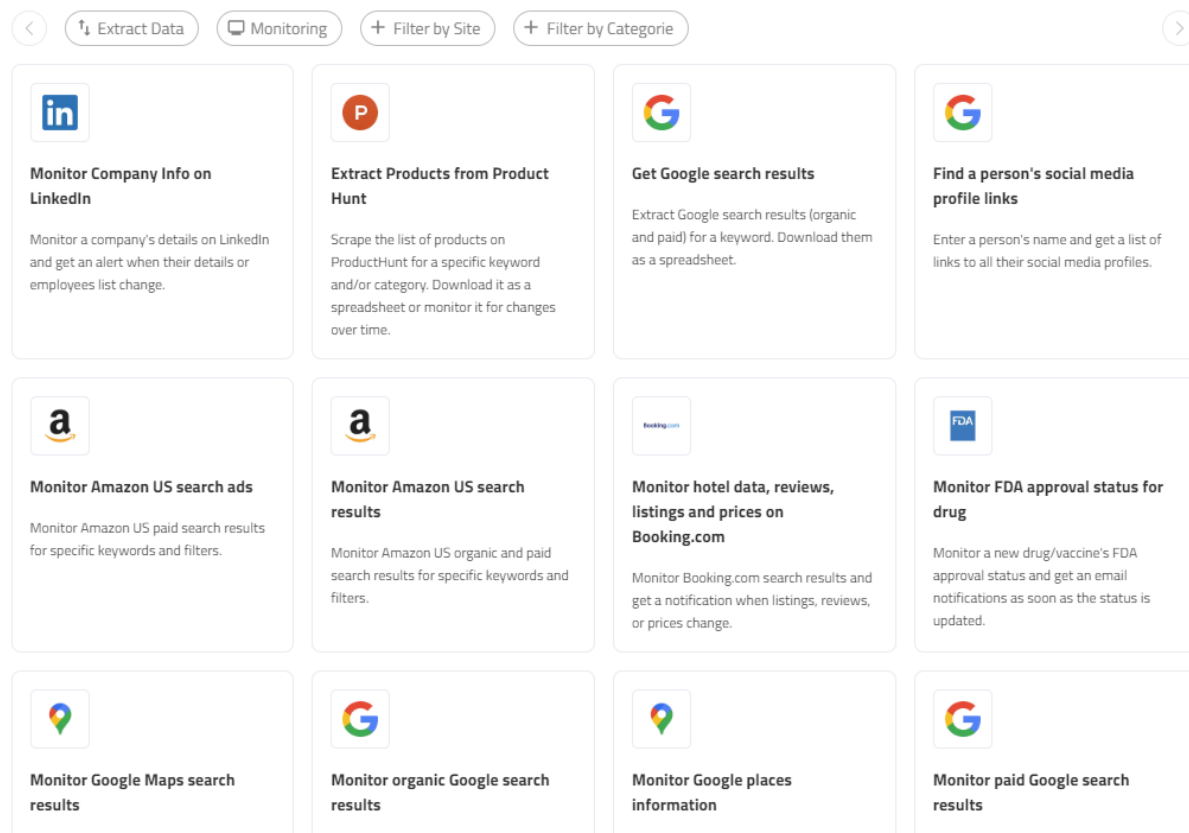# Frontend Development Assignment

In this assignment, you are asked to develop a section on a page using React components. There is no perfect answer and the components can be developed in many different ways. Here, we just want to have a clean and maintainable implementation from your perspective.

Description

Assume that you are tasked with developing the following section:

Here are some Automations that pre-defined for product availability monitoring.   See all

⟨ ⟨ ↑↓ Extract Data ⟩ ⟨ 🖥 Monitoring ⟩ ⟨ + Filter by Site ⟩ ⟨ + Filter by Categorie ⟩ ⟩

Monitor Company Info on LinkedIn

Monitor a company's details on LinkedIn and get an alert when their details or employees list change.

Extract Products from Product Hunt

Scrape the list of products on ProductHunt for a specific keyword and/or category. Download it as a spreadsheet or monitor it for changes over time.

Get Google search results

Extract Google search results (organic and paid) for a keyword. Download them as a spreadsheet.

Find a person's social media profile links

Enter a person's name and get a list of links to all their social media profiles.

Monitor Amazon US search ads

Monitor Amazon US paid search results for specific keywords and filters.

Monitor Amazon US search results

Monitor Amazon US organic and paid search results for specific keywords and filters.

Monitor hotel data, reviews, listings and prices on Booking.com

Monitor Booking.com search results and get a notification when listings, reviews, or prices change.

Monitor FDA approval status for drug

Monitor a new drug/vaccine's FDA approval status and get an email notifications as soon as the status is updated.

Monitor Google Maps search results

Monitor organic Google search results

Monitor Google places information

Monitor paid Google search results

The more challenging part of this design is the filters section at the top. In this section, the user can select from the following filters to narrow down the list of automations that are displayed:

- Extract data (yes or no)
- Monitor (yes or no)
- Filter by Site (multiple select)
  - ProductHunt

- o Indeed
- o LinkedIn
- o Eventbrite
- o …
- Filter by Category (single select)
  - o SEO
  - o Competitive Intelligence

All the automations will be pre-loaded as soon as the page loads. For the purpose of your assignment, let's assume that the backend is still under development and you are provided with the following sample JSON to use in your development:

Assessment.json

The implementation has to be accessible, compatible with mobile devices, and responsive. Only function components are allowed and styles must be organized in a component-based manner wherever possible.

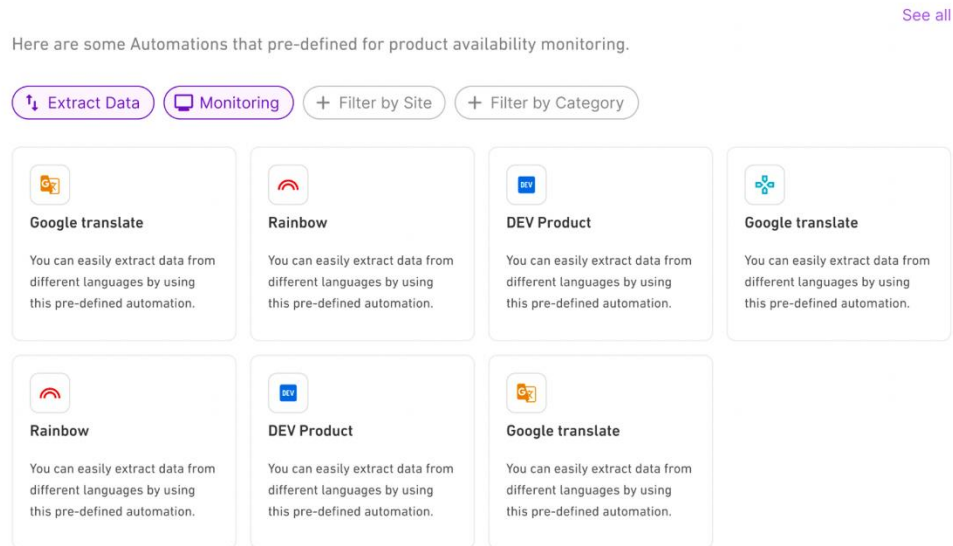Multiple filters can be applied and should have a scrolling functionality

Bonus points

- Animations in filter components when a filter is selected, unselected or upon scrolling.
- CSS Modules is preferred.
- Unit Tests
- Automation Tests

(Dont forget to add the scripts to run these in the package.json and add the relevant steps into your readme file)

Design

A list of automations is designed below. This list can be filtered by our new components:
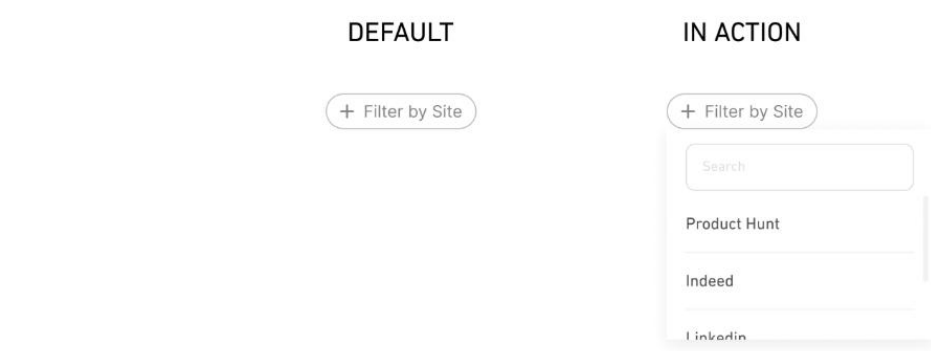

There are 3 type of filters:

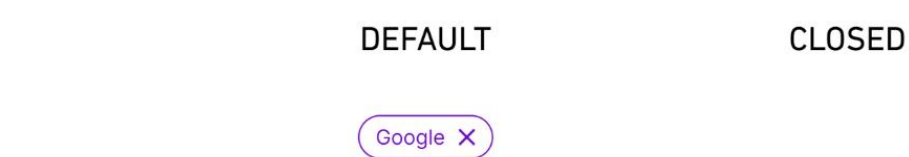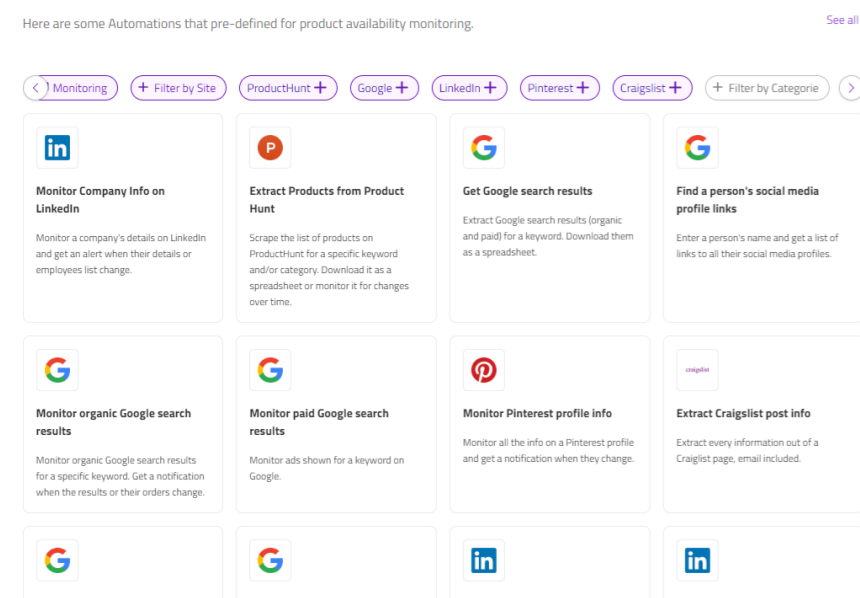**A. Switch Chip** These chips have two state: On or Off

B. Single/Multiple Select Chips These are clickable and after click they do a job.

DEFAULT   IN ACTION

+ Filter by Site   + Filter by Site

                                           Search

                                           Product Hunt

                                           Indeed

                                           LinkedIn

C. Selected Chips These are not selectable, they appear when we have an option selected in a select. They are removable.

DEFAULT   CLOSED

Google ✕

Multiple Filters: Multiple filters can be applied and should scroll.

Here are some Automations that pre-defined for product availability monitoring.   See all

‹ Monitoring   + Filter by Site   ProductHunt +   Google +   LinkedIn +   Pinterest +   Craigslist +   + Filter by Categorie   ›

Monitor Company Info on LinkedIn

Monitor a company's details on LinkedIn and get an alert when their details or employees list change.

Extract Products from Product Hunt

Scrape the list of products on ProductHunt for a specific keyword and/or category. Download it as a spreadsheet or monitor it for changes over time.

Get Google search results

Extract Google search results (organic and paid) for a keyword. Download them as a spreadsheet.

Find a person's social media profile links

Enter a person's name and get a list of links to all their social media profiles.

Monitor organic Google search results

Monitor organic Google search results for a specific keyword. Get a notification when the results or their orders change.

Monitor paid Google search results

Monitor ads shown for a keyword on Google.

Monitor Pinterest profile info

Monitor all the info on a Pinterest profile and get a notification when they change.

Extract Craigslist post info

Extract every information out of a Craiglist page, email included.

User Flow:

User Flow.png

Responsiveness

If the filters went to the out of our container, the Arrow Button appears at the end/beginning of row. With clicking on the Arrow, All chips slides to the side:

Deliverables

The code has to be committed to a public Github repository.

It should also be deployed to a test environment. The link to this environment should be in your repository's Readme file. The Readme file should also contain brief instructions for running the project locally.