

[Assignment](#)

[Instructions](#)

[Our philosophy](#)

[Next steps](#)

Assignment

Build a react web app to search hacker news.

You will be building a web app using the [HN Search API](#) that lets users search for hacker news posts and view details of each post.

- Home screen
 - Search field on the top
 - A list of search results below the search field
 - Entering a query in the search field triggers the search results API:
 - E.g. GET <http://hn.algolia.com/api/v1/search?query=test>
 - Upon receiving results, populate a list of search results below
- Post detail screen
 - Upon clicking a search result, take the user to the post detail screen
 - Using **objectID** obtained from search results, call the Get item API to retrieve post details
 - E.g. GET <http://hn.algolia.com/api/v1/items/12701272>
 - On the detail screen, the following should be displayed
 - Title
 - Points
 - List of all comments (“**children**” field)

Note: The API is public and does not need any API keys. Documentation is available at <https://hn.algolia.com/api>

Instructions

- Use **React.js** or **Next.js** along with any packages you think are appropriate to complete the assignment.
- Use your best design judgement to create a good user experience. Handle empty states, loading states and errors gracefully.
- Follow whatever architecture you think is best for managing state, navigation and networking.
- **Bonus points:** Feel free to show off your skills - implement advanced architecture patterns, libraries, best practices, tests, beautiful UI/UX etc.

- Create a public git repository (e.g. on **GitHub**) and try to make frequent small commits as you work through the problem.
- Take as much or as little time as you need. There is no deadline, however most candidates respond within 1-3 days.
- Depending on your speed and availability, the assignment should ideally take no more than **a few hours** from start to finish.
- Once you are done, **share the link** to the git repository. Ensure that you've also added any **instructions** needed for building and running the project.
- If you find any instructions missing, feel free to use your best judgement and **fill in the blanks yourself** as to what the functionality of the app should be like.
- If there's anything you'd like to clarify, you can **reply to the email** directly

Our philosophy

- This assignment is designed to not only test your skills, but also to give you a taste of **what working at UnityLabs.ai is like**
- We do not believe in testing candidates for data structures or algorithms, but **only for real world applications**

Next steps

1. Once you've completed the assignment, **reply to the email** with a link to the git repository hosting the project
2. After that, we will schedule a **video call/screen share** with you to have a technical discussion around the project
3. This is the **final round**. Upon successfully completing the above, you will receive an offer from UnityLabs.ai within 24 hours

Happy coding!