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Intelligent Browsing: Hacker News Jobs Progress Report

1) Which tasks have been completed?

Our initial goal has been to construct a minimum viable product for our project. This consists of a Hacker News API, javascript chrome extension, and search/retrieval algorithms.

We have successfully scaffolded a chrome extension and attached it to the Hacker News API. The "whoishiring" robot on Hacker News adds a new posting at the beginning of every month to aggregate technology job solicitations.

On button click, the application successfully queries, pulls in, and displays these most recent jobs postings in the browser console. We have also implemented a simple search field.

2) Which tasks are pending?

- We need to implement our scoring function to rank the relevant job postings.
- We need to design and build the DOM manipulations that will activate after the user inputs their search.
- We also need to implement a feedback mechanism to identify if our scoring function is performing well.

3) Are you facing any challenges?

- Working with Javascript and Typescript can be challenging for those without experience doing frontend development.
- If we want to deploy to the Chrome Web Store, we need to have enough progress done ahead of time to submit the app for approval. So, this may not be possible given the time constraints. We can bundle our app and commit it to Github if necessary for a reviewer to test it though.
- Sorting the job posting results may be challenging because of nested comments. The HTML for the comments is a flattened structure, and it uses CSS to display the nested comments. So, if we simply sort results, we will lose child comments.