what do you expect if we use throttle technique with the search input of the above project?

If you use throttle technique with the search input of the above project, it would introduce a delay between consecutive search queries to improve performance and prevent excessive API requests.

Throttling is a technique used to limit the number of times a function is called within a specific time frame. In the context of a search input, throttling can be applied to limit the frequency of API requests triggered by each keystroke in the input field.

When a user types in the search input, instead of sending an API request for every keystroke, throttling allows you to delay the execution of the search query function until a certain amount of time has passed since the last keystroke. This reduces the number of API requests made, especially in cases where the user is typing quickly.

The expected behavior when using throttle with the search input would be that the search query function is triggered only after a specified time has elapsed since the last keystroke. This can help optimize performance by reducing unnecessary API calls and improving the responsiveness of the UI