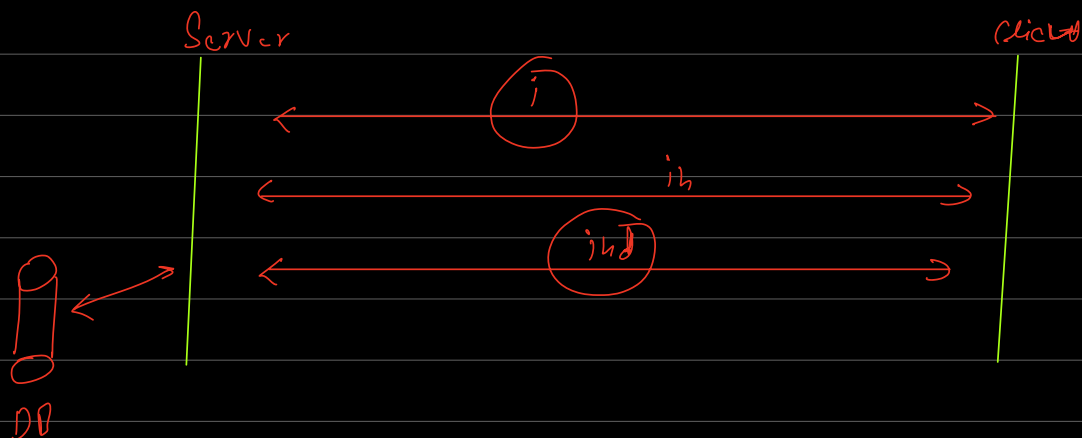


Agenda

- Autocomplete / typehead.
 - make API request.
- Debouncing and throttling application.
- Removing the state request
- windowing.

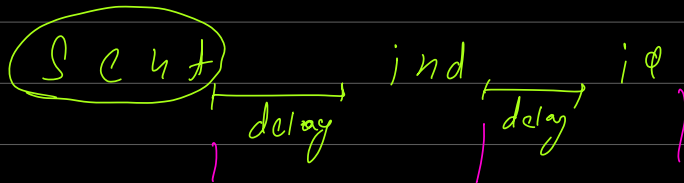


i_h d i_h d →
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debounce

(*)

Send indi



Send

Send ind

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default delay

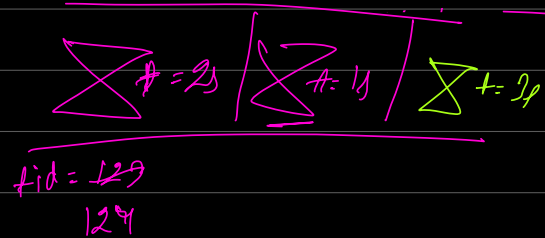
00:00	(S)	,	d: 2s
00:01	(e)	,	d: 2s
00:02	(h)	,	d: 2s
00:04	- - -	,	(hit API)
00:05	(t)	,	d: 2s (fresh start)

```
function debounce(cb, delay = 500){
  let timeoutId = null;
  return function(...args){
    if(timeoutId){
      console.log("Resetting the timer");
      clearTimeout(timeoutId);
    }
    timeoutId = setTimeout(() => {
      cb(...args);
    }, delay);
  }
}

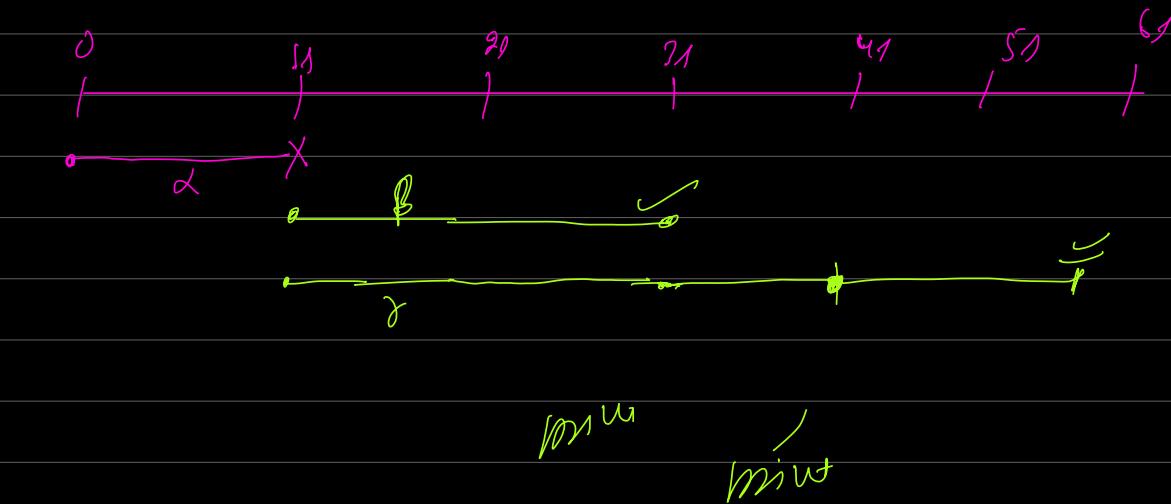
function printHello(){...}

const debouncePrintHello = debounce(printHello, 2000);
debouncePrintHello();

setTimeout(() => {
  debouncePrintHello();
  setTimeout(() => {
    debouncePrintHello();
  }, 3000);
}, 1000);
```



reset
Hello



(*) Throttling

Swiggy.
 iten : 5000s
 discau : 1000s
 finalpile : 4000s

discau window : 3hr

08:00 AM → discount applied.

10:00 AM → discount is not applicable.

1:00 PM → discount applied.