Debounce technique

Source: https://css-tricks.com/debouncing-throttling-explained-examples/
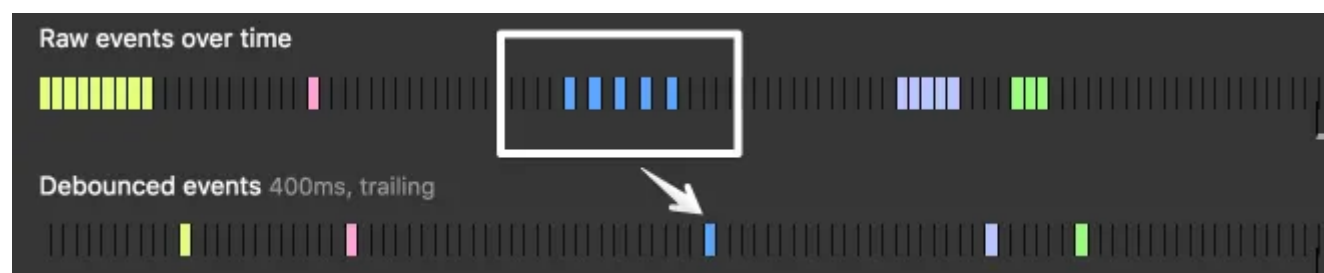
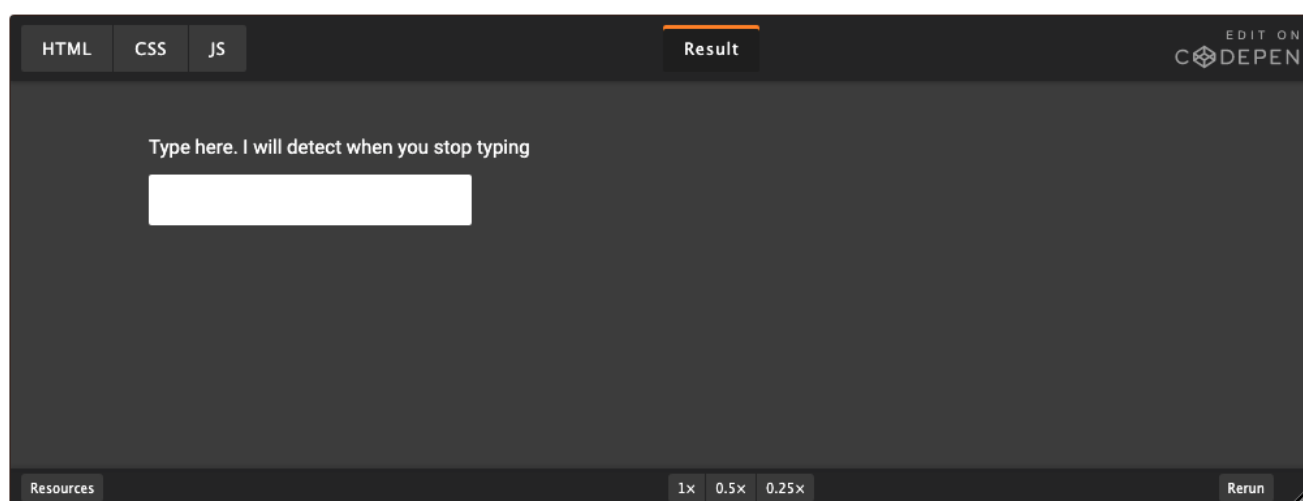**AGENDA**

1. Debounce usages
2. How it works
3. Simple implementation

1. Debounce demo

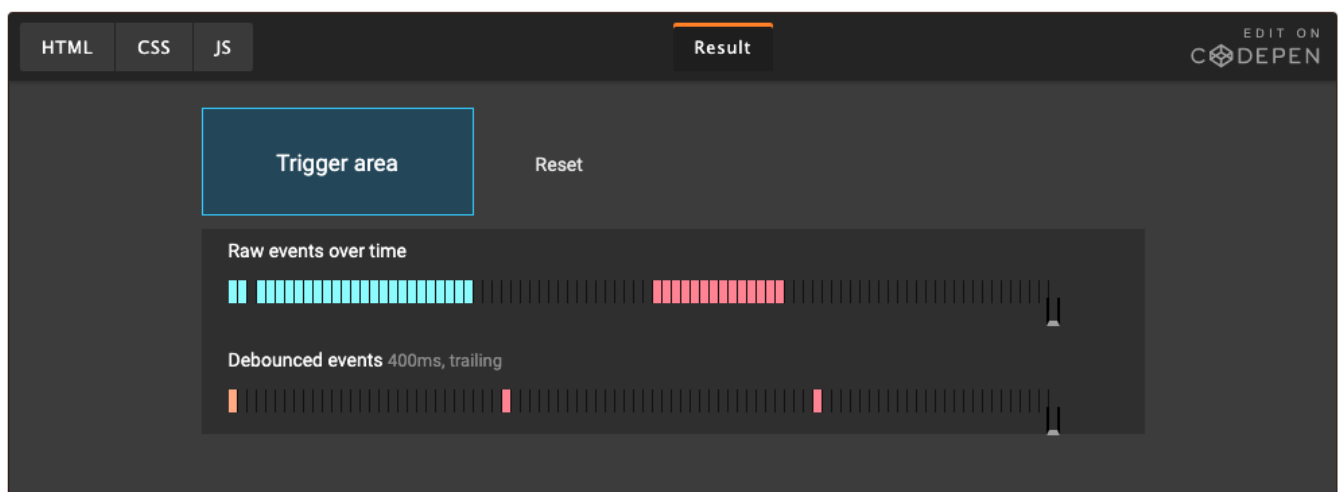Source: https://css-tricks.com/debouncing-throttling-explained-examples/#debounce-examples

2. How it works

- debounce = exec function after a period of time receiving no trigger.

```javascript
function debounce(callback, wait) {}

function log() {}

const debounceLog = debounce(log, 500);
debounceLog();
debounceLog();
debounceLog();
```


Source: https://css-tricks.com/debouncing-throttling-explained-examples/#debounce

3. Simple implementation

```javascript
function debounce(callback, wait) {
  let timeoutId;

  return function () {
    if (timeoutId) {
      clearTimeout(timeoutId);
    }

    timeoutId = setTimeout(callback, wait);
  };
}

function log() {
  console.log('tada');
}

log();
log();
log();
log();
log();
// log tada 5 times

const debounceLog = debounce(log, 500);
debounceLog();
debounceLog();
debounceLog();
debounceLog();
debounceLog();
// log tada only 1 time
```

Read more on lodash.debounce

```
# npm
npm i lodash.debounce

# or yarn
yarn add lodash.debounce
```

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```
import debounce from 'lodash.debounce';

function log() {
  console.log('tada');
}

log();
log();
log();
log();
log();
// log tada 5 times

const debounceLog = debounce(log, 500);
debounceLog();
debounceLog();
debounceLog();
debounceLog();
debounceLog();
// only log tada ONCE
```

lodash.debounce: https://lodash.com/docs/4.17.15#debounce

Tham khảo

- https://css-tricks.com/debouncing-throttling-explained-examples/
- https://davidwalsh.name/javascript-debounce-function
- https://redd.one/blog/debounce-vs-throttle

Khoá học Javascript cho người mới bắt đầu 2021🎉

- Tác giả: **Hậu Nguyễn** - Founder Easy Frontend
- Khoá học chỉ được published trên Udemy, không thông qua trung gian.
- Khoá học không bán dạng videos upload trên Google Drive hay bất cứ hình thức nào tương tự.
- Khoá học có nhóm discord để hỗ trợ trong quá trình học tập.

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