5 Useful Web APIs

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Clipboard API

This API provides access to the operating system's clipboard. You can use it to build a copy button to copy/paste content.

```js
index.js

const writeToClipboard = async () => {
    try {
        await navigator.clipboard.writeText(userText);
        console.log(`Text copied to the clipboard`);
    } catch (error) {
        console.log(error);
    }
};

const readFromClipboard = async () => {
    try {
        const clipboardText = await navigator.clipboard.readText();
        console.log(clipboardText);
    } catch (error) {
        console.log(error);
    }
};
```

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LocalStorage API

It lets you store data against the website address in the form of key/value pairs. Local storage is limited to 5 MB.

```js
index.js

// save data in local storage
localStorage.setItem('key', '');

// get data from local storage
localStorage.getItem('key');

// remove data from local storage
localStorage.removeItem('key');
```

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Geolocation API

This API provides the user's geographical latitudes and longitudes and the accuracy to which it is correct.

```javascript
index.js

const getCurrentLocation = () => {
    navigator.geolocation.getCurrentPosition(
        position => {
            const coord = position.coords;
            console.log(coord.accuracy);
            console.log(coord.latitude);
            console.log(coord.longitude);
        },
        err => {
            console.log(`Error: ${error.message}`);
        },
        {
            enableHighAccuracy: true,
            timeout: 5000,
            maximumAge: 0
        }
    );
};
```

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History API

This API lets you go back and forth between web pages that are in your session history.

```js
index.js

// go back in history
window.history.back();

// go forward in history
window.history.forward();
```

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Fetch API

It is a browser API that lets you call REST APIs or GraphQL APIs.

index.js

```js
async function callAPI() {
    try {
        const res = await fetch(`API`, {
            method: '',
            headers: {},
            body: {},
        });
        const data = await res.json();
        return data;
    } catch (err) {
        console.log(err);
    }
}
```

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