

# 5 Useful Web APIs



# Geolocation API

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

```
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
    }
  );
};
```

# 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.

```
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);
  }
};
```

# History API

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



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



# 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.



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

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

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

# Fetch API

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

```
index.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);
  }
}
```