Difference between Service worker, Web worker & Web socket ?

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Web Worker

- Web workers give us the possibility to write multi-threaded JavaScript.

- It allows scripts to be run in the background so they do not block other scripts from running (or which does not block the DOM or UI).

- Can't directly interact with the DOM.

- Ideal for processing large amounts of data, or running complex algorithms, while keeping the main page responsive to user input.

Service Worker

- Service Workers are one of the things we can do to progressively to enhance an app's performance.

- A type of Web Worker that creates a background service that acts as middleware for handling network requests between the browser and server, even in offline situations.

- Can't directly interact with the DOM.

- Ideal for dealing with offline situations and background syncs or push notifications.

WebSocket

- Creates an open and persistent two-way connection between the browser and server to send and receive messages over a single connection triggered by events.

- Can directly interact with the DOM.

- Ideal for any situation where you currently use long-polling such as chat apps, online games

THANKS FOR READING, AND KEEP LEARNING!

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