Web Workers Js

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Agenda

Threads

Web workers

Programs
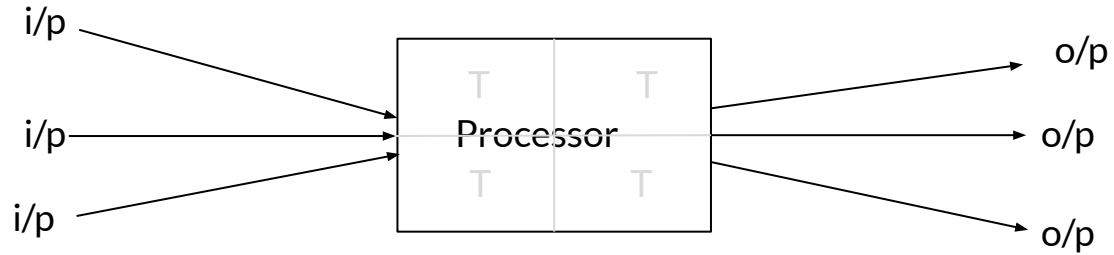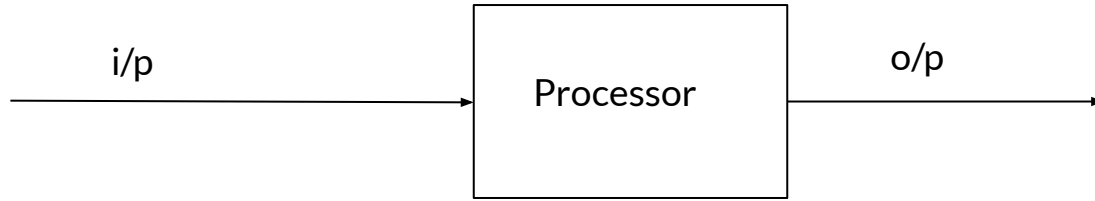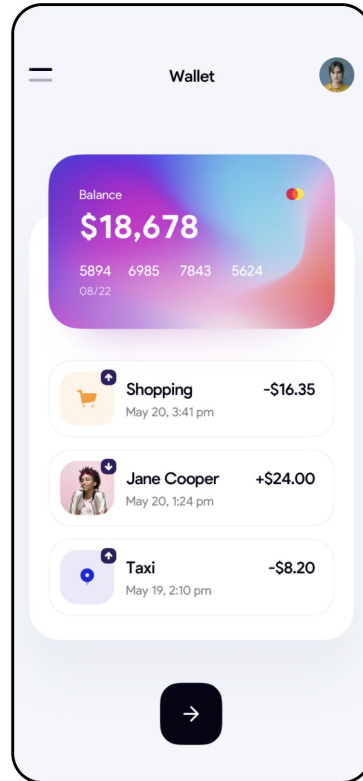
01.

Threads

Just the basics.

Threads

i/p → [Processor] → o/p

i/p
i/p
i/p → [Processor] → o/p
o/p
o/p
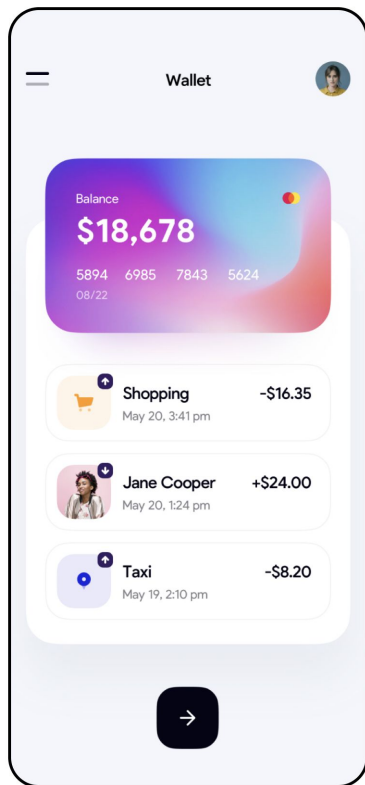
Threads

02.

Web workers

Concepts

Web workers

Single threaded - main thread

Web workers

Main thread

Web workers

01. new Worker()

02. No dom manipulation

03. Does computational task

04. Dedicated worker

Web worker
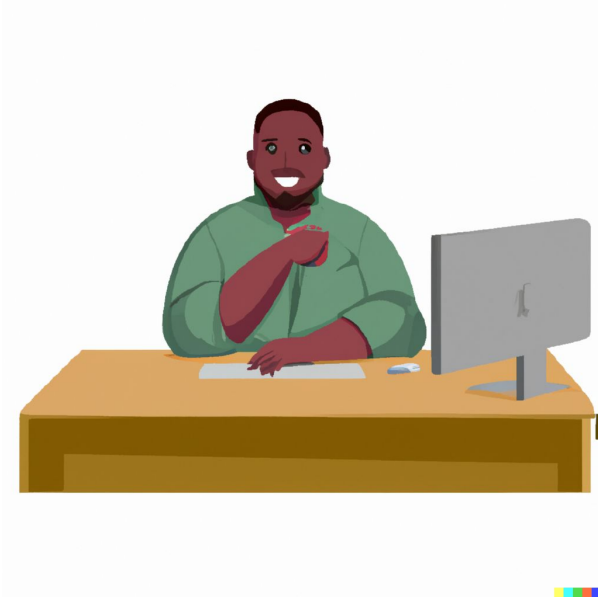

Main thread

Worker

- Worker listens for any messages
- Main thread posts a message
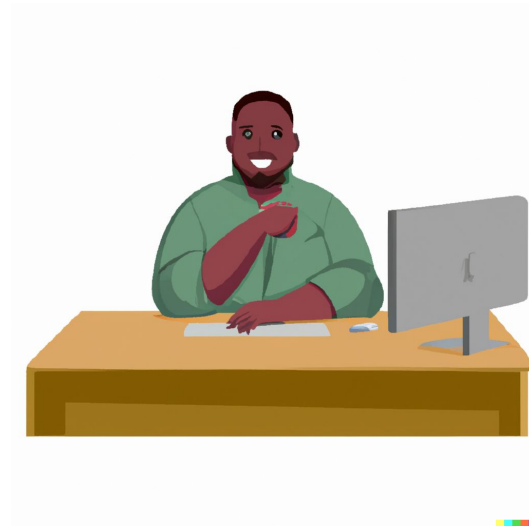
Web worker

Main thread works with dom manipulation

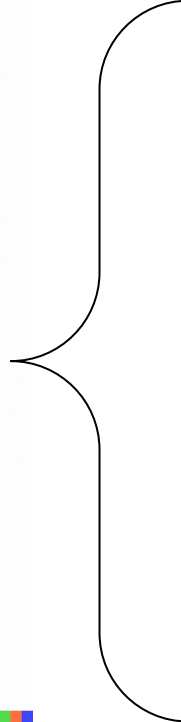Worker does the highly computational task.

Web worker

Worker

Main thread

- Main thread listens for any messages
- Worker posts a message, containing the result data.

Web worker

Dedicated Workers

Shared Workers

Shared web workers

01. new SharedWorker()

02. Accessible by multiple scripts

03. Does highly Computational tasks

04. Communicate via ports

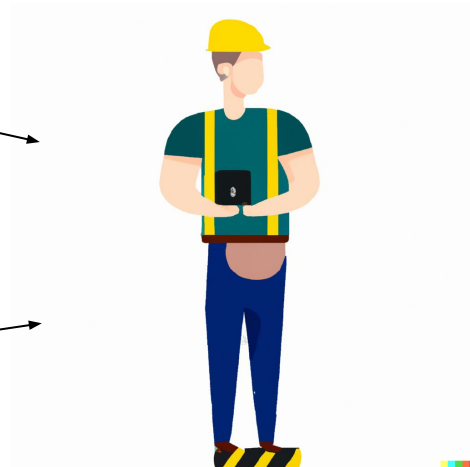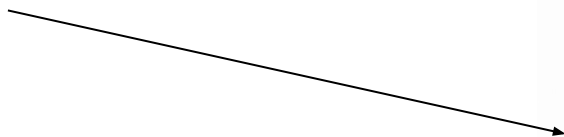# Shared web workers

Script_001

Script_002

Shared worker

03.

Program

Let's do some code.