

Outline

1. Smart vs Dumb Components

- 2. Web Workers for heavy calculations
 - Worklet API
 - 2. PartyDown
- 3. Service Worker / PWA

4. Scheduling



Thought experiment

- What if <flight-card> would handle use case logic?
 - e.g. communicate with API
- Number of requests ==> Performance?

Traceability?

Reusability?



#1: Smart vs. Dumb Components

Smart

- Use Case controller
- Container

Dumb

- Independent of Use Case
- Reusable
- Leave



#2: Web Workers — Use cases

- Import external scripts
- Make XMLHttpRequest / API requests
- Use setTimeout() and setInterval()
- Spawn other workers
- Use IndexedDB, Notifications API, Web Crypto API, WebAssembly, WebSockets, WebGL, OffscreenCanvas, ImageData...
- Terminate themselves when you deem they are no longer needed

• ...



#2: Web Workers – Implementations

- Worklet API
- partytown

• ...



#3: Service Workers (PWA)

- Proxy or serving HTTP requests
- Background code execution
- Web push notifications
- Process payments

• ...



#4: Scheduling

Use setTimeout() to delay work

Use setInterval() to invoke tasks continously

• Don't forget to clearTimeout() and clearInterval() on destroy

