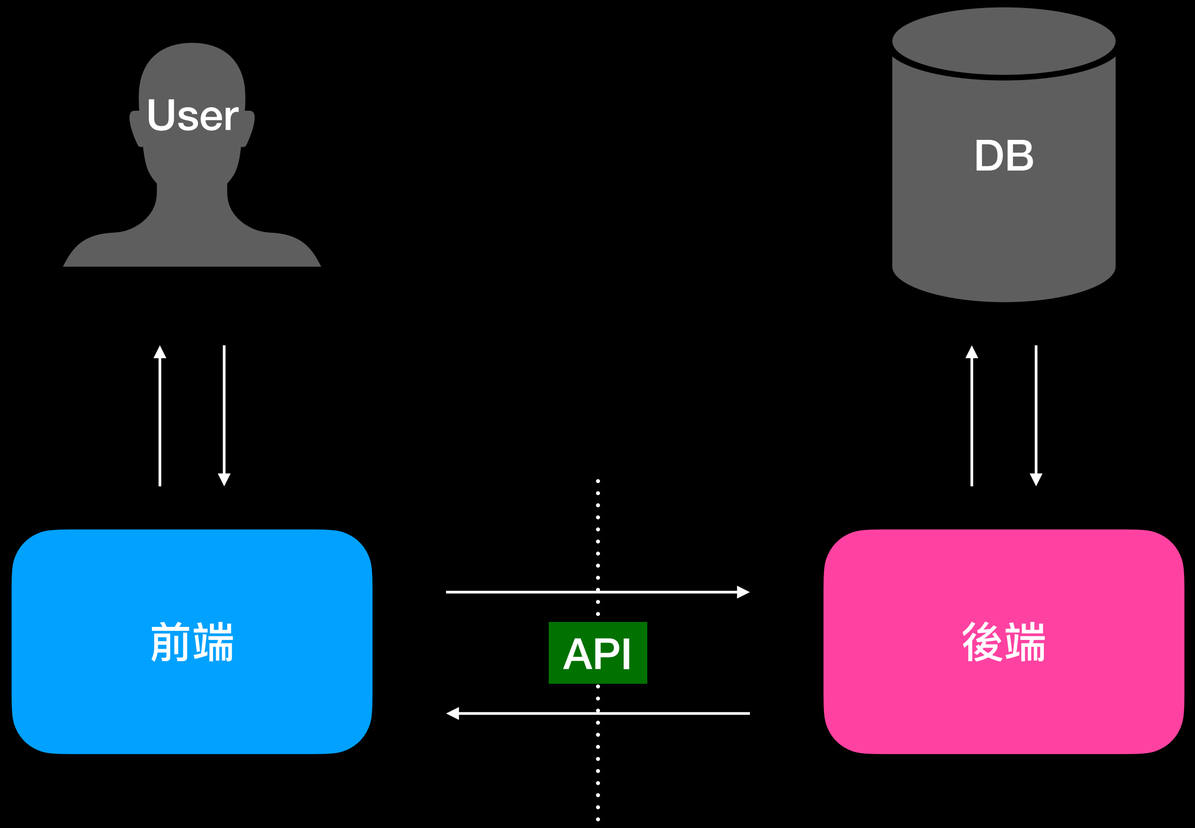
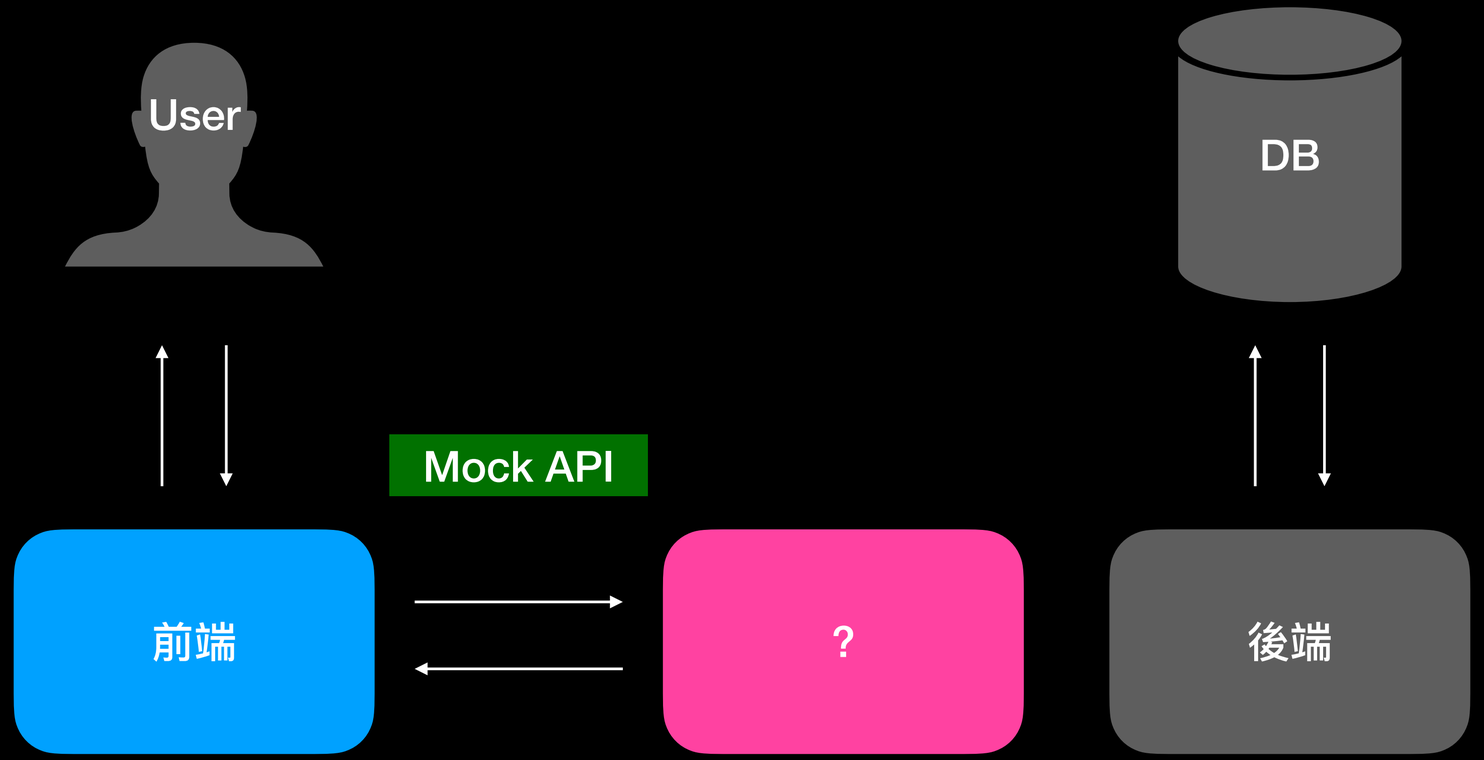
Mock API 讓前端不再依賴


User
DB
前端
API
後端

幾個策略

1. Express 自己弄
2. JSON Server
3. MSW
4. Mirage JS


User
DB
Mock API
前端
?
後端

JSON Server DEMO

https://github.com/typicode/json-server

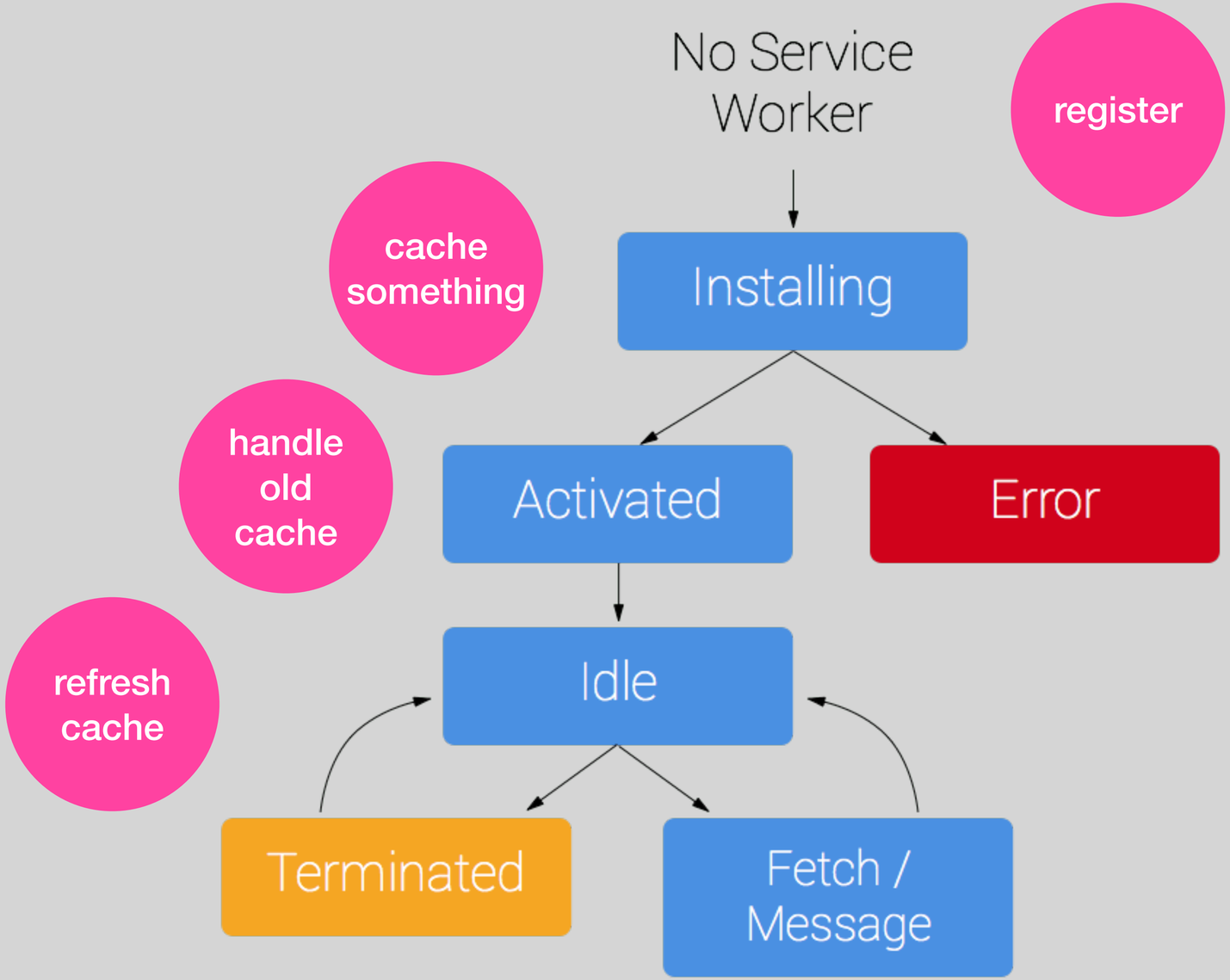
MSW (mock service worker)

Service Worker

可程式化的快取機制

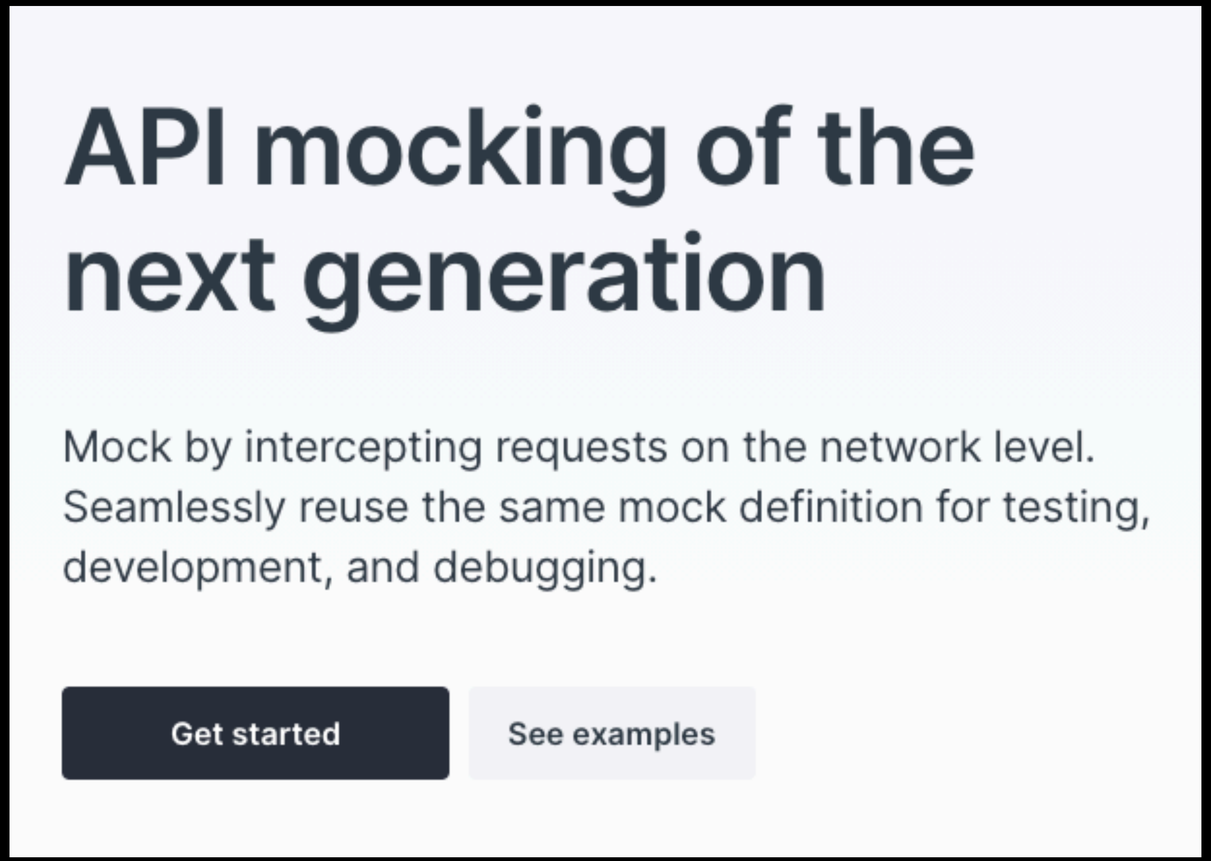
由瀏覽器提供，生命週期與網頁不同

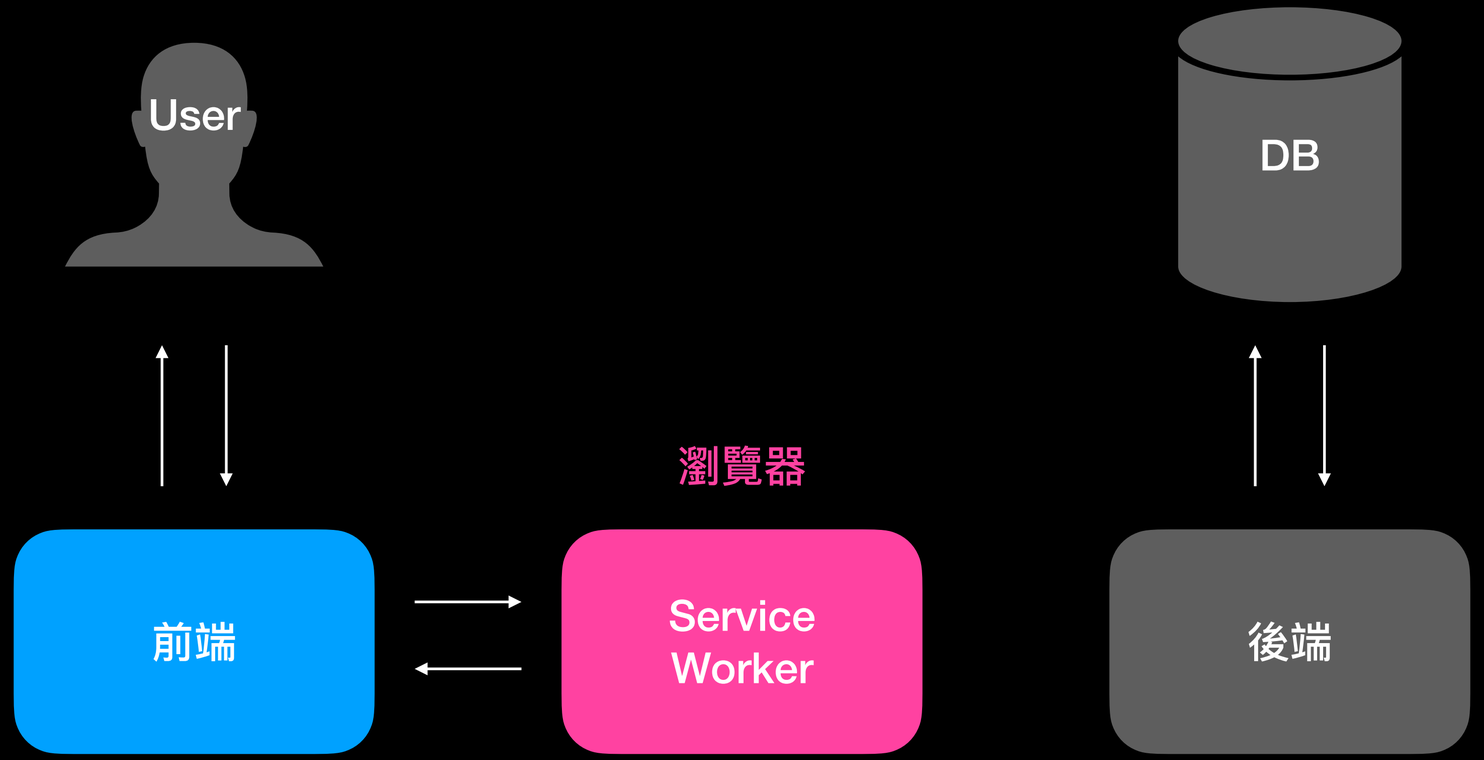
chrome://inspect/#service-workers

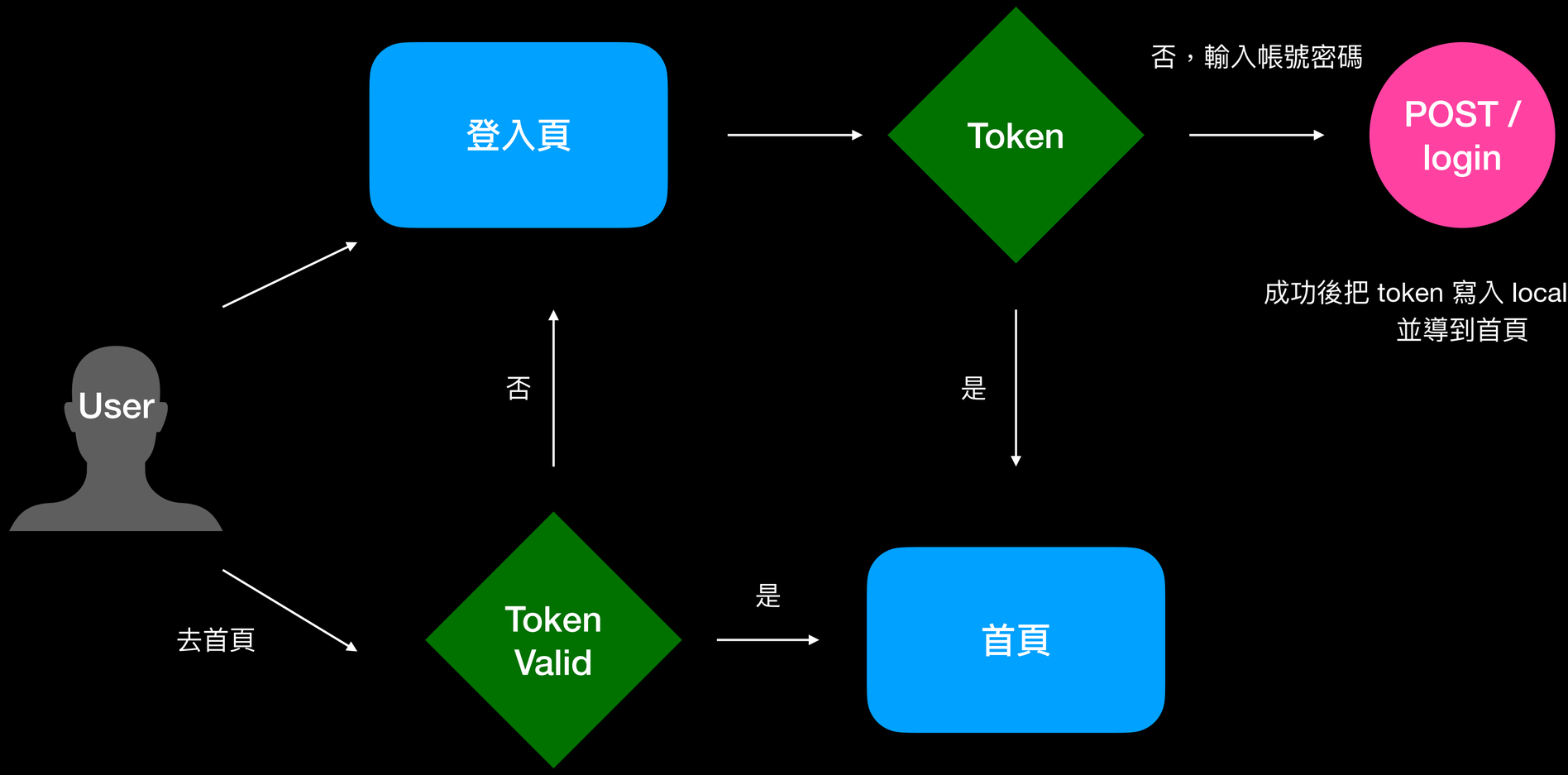

No Service Worker
register
cache something
Installing
handle old cache
Activated
Error
refresh cache
Idle
Terminated
Fetch / Message

Service Worker DEMO

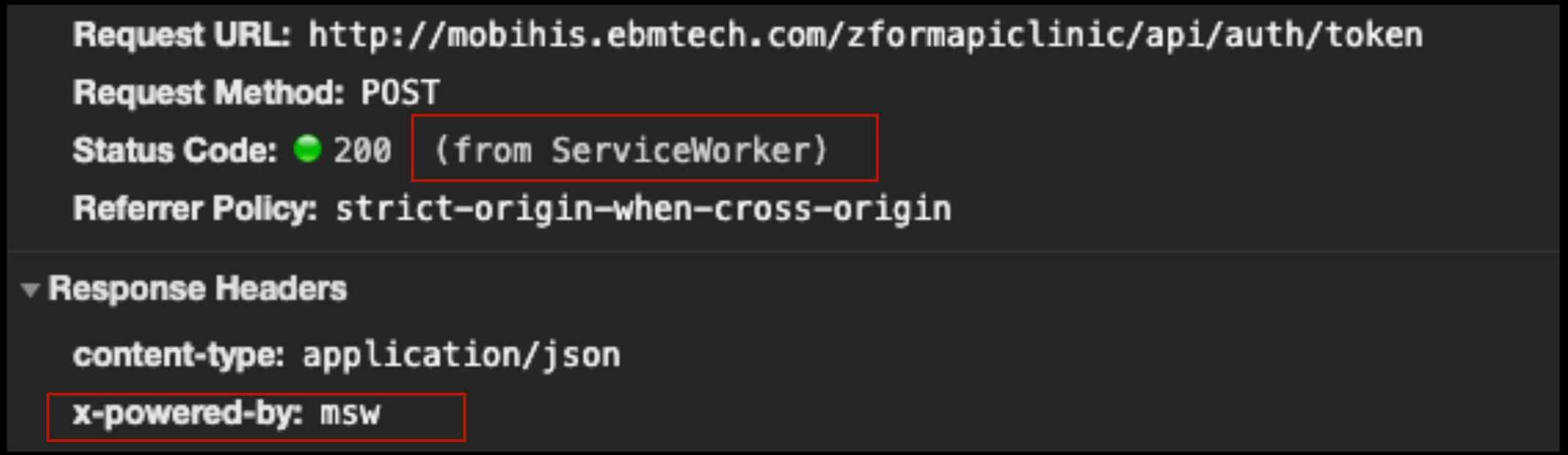
MSW (mock service worker)



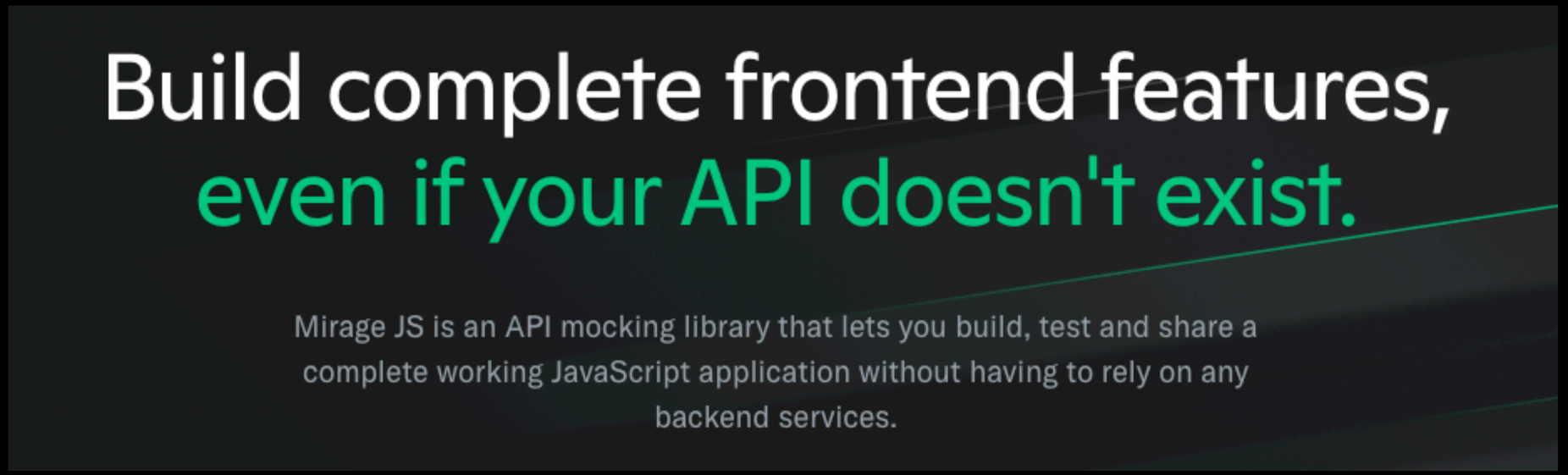

User
DB
瀏覽器
前端
Service
Worker
後端

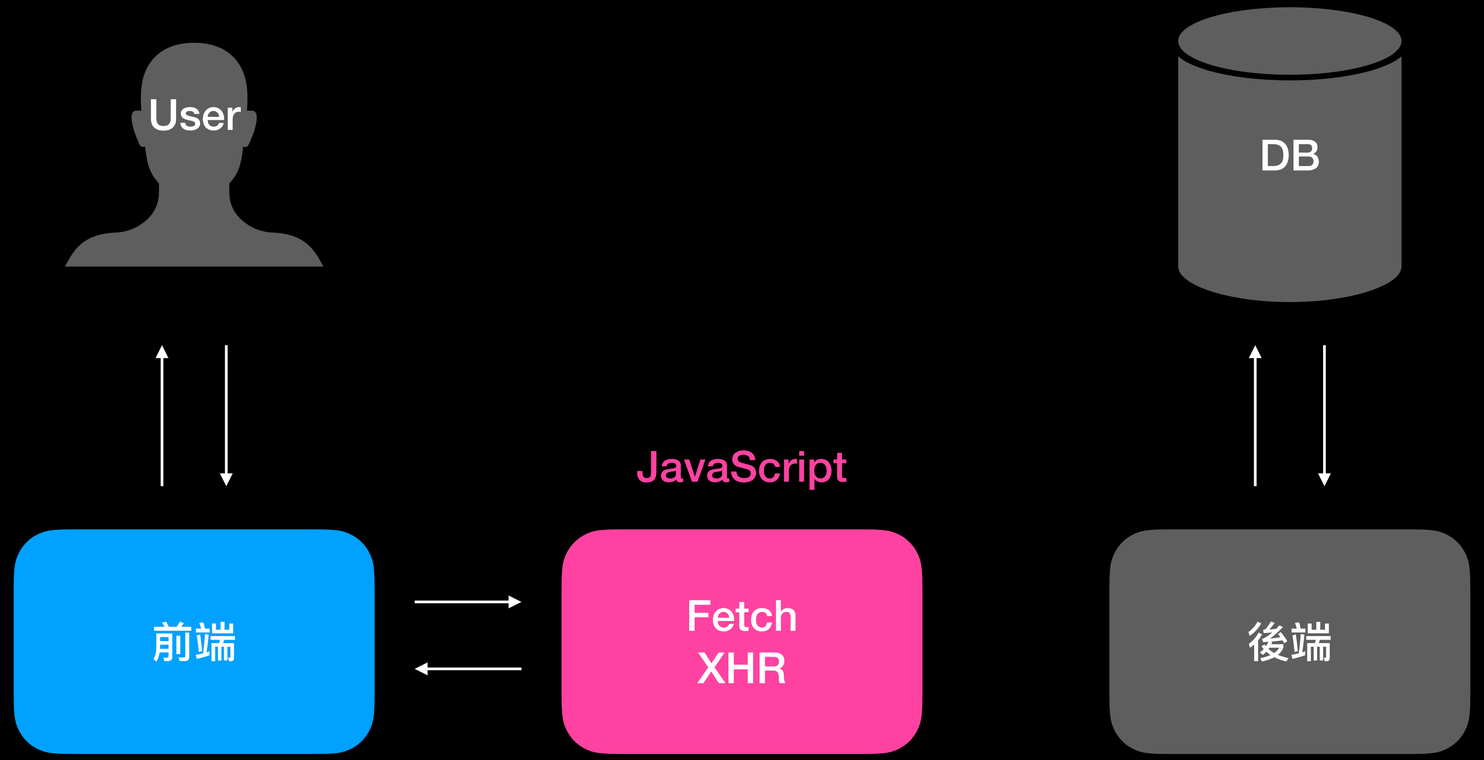

登入頁
Token
否，輸入帳號密碼
POST / login
成功後把 token 寫入 localStorage
並導到首頁
User
否
是
去首頁
Token Valid
是
首頁

MSW DEMO


Request URL: http://mobihis.ebmtech.com/zformapiclinic/api/auth/token
Request Method: POST
Status Code: 200 (from ServiceWorker)
Referrer Policy: strict-origin-when-cross-origin
Response Headers
content-type: application/json
x-powered-by: msw

Mirage JS


Build complete frontend features,
even if your API doesn't exist.
Mirage JS is an API mocking library that lets you build, test and share a complete working JavaScript application without having to rely on any backend services.


User
DB
JavaScript
前端
Fetch
XHR
後端

MirageJS DEMO

總結

	JSON Server	MSW	MirageJS
特色	簡單方便	使用 Serveice Worker	ORM 方便打造完整 API
缺點	API route 需要高度客製化會比較麻煩	比較適合靜態資料	需要比較多時間