Oauth 2

Easy access delegation

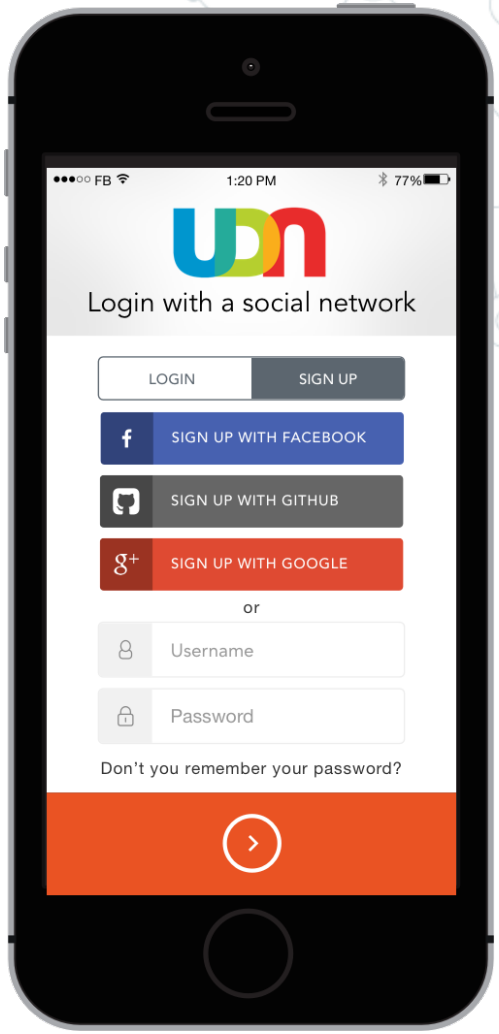
Oauth 2 rfc6749

Si basa su un principio molto semplice:

Garantire l'accesso ad applicazioni terze a delle risorse private senza condividere la propria password

Perché non condividere la propria password?

- non si possono gestire livelli di autorizzazione differenti
- non si può garantire che l'autorizzazione venga utilizzata nel contesto scelto
- per revocare il permesso sono obbligato a cambiare password



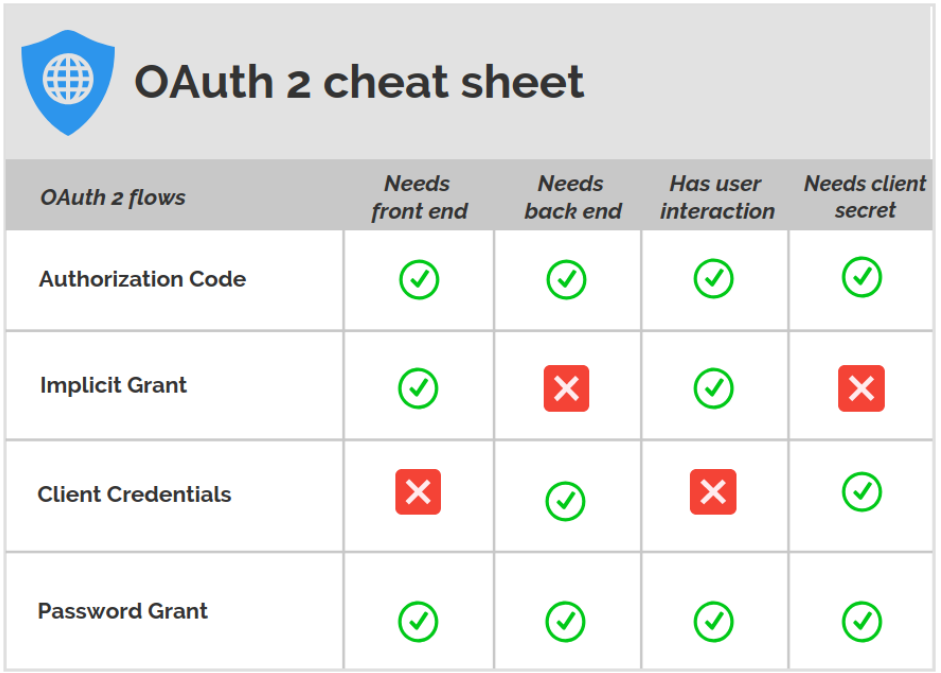
OAuth è nato quindi con il presupposto di garantire l'accesso delegato ad un client specifico per determinate risorse sul server per un tempo limitato, con possibilità di revoca.

https://it.wikipedia.org/wiki/OAuth

Oauth 2 rfc6749

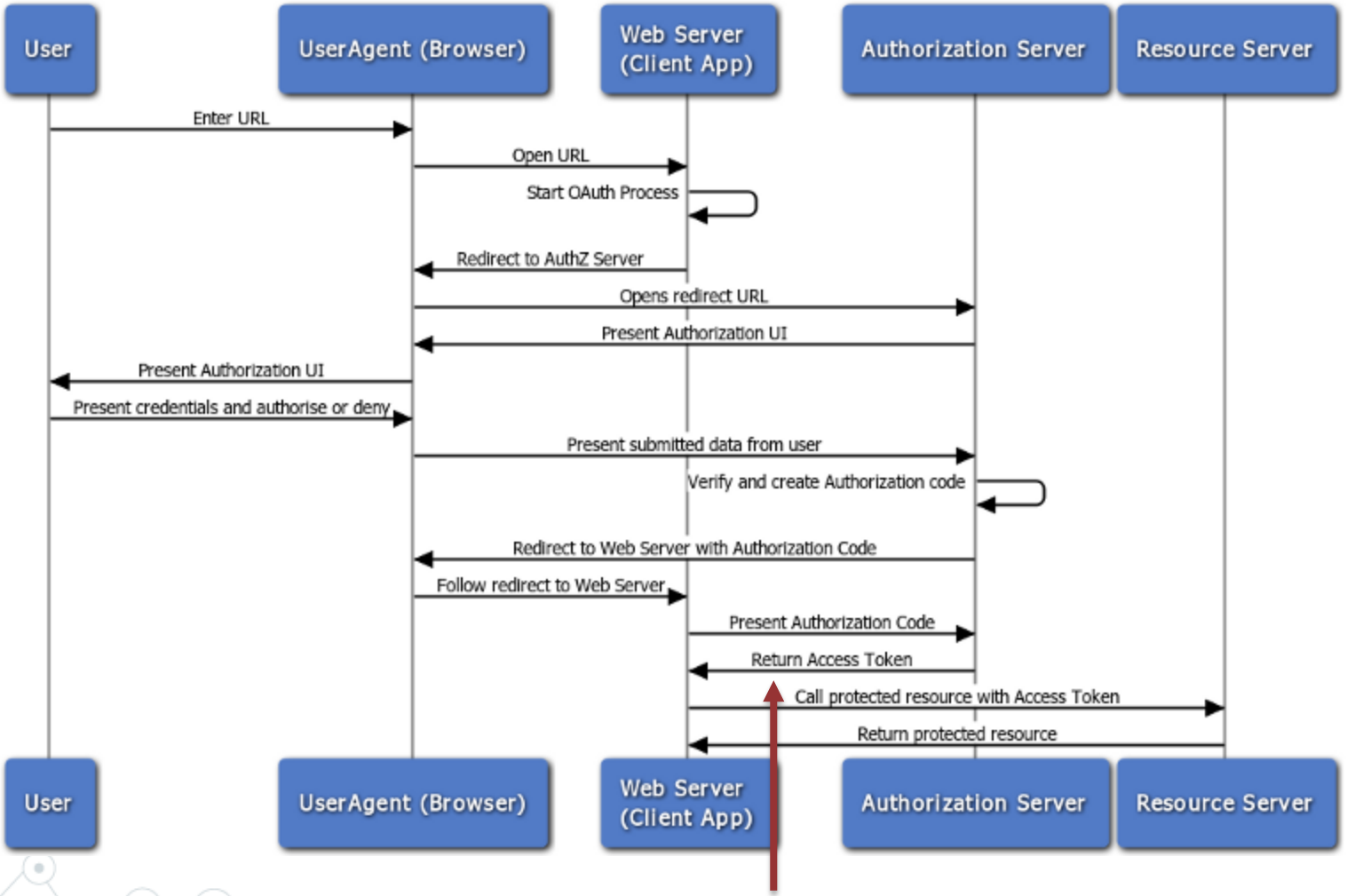
Esistono differenti «flow» di autorizzazione descritti dal protocollo:

- **Authorization Code Grant**
- **Implicit Grant**
- **Client Credential Grant**
- **Password Grant**



https://itnext.io/an-oauth-2-0-introduction-for-beginners-6e386b19f7a9

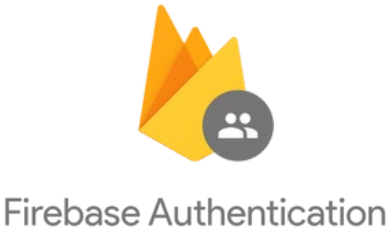
Oauth 2: Authorization Code Flow



Bearer Tokens are the predominant type of access token used with OAuth 2.0.
A Bearer Token is an opaque string, not intended to have any meaning to clients using it.

Oauth 2: Complicato?

https://auth0.com/pricing/



https://firebase.google.com/pricing

https://auth0.com/blog/ionic-framework-how-to-get-started/

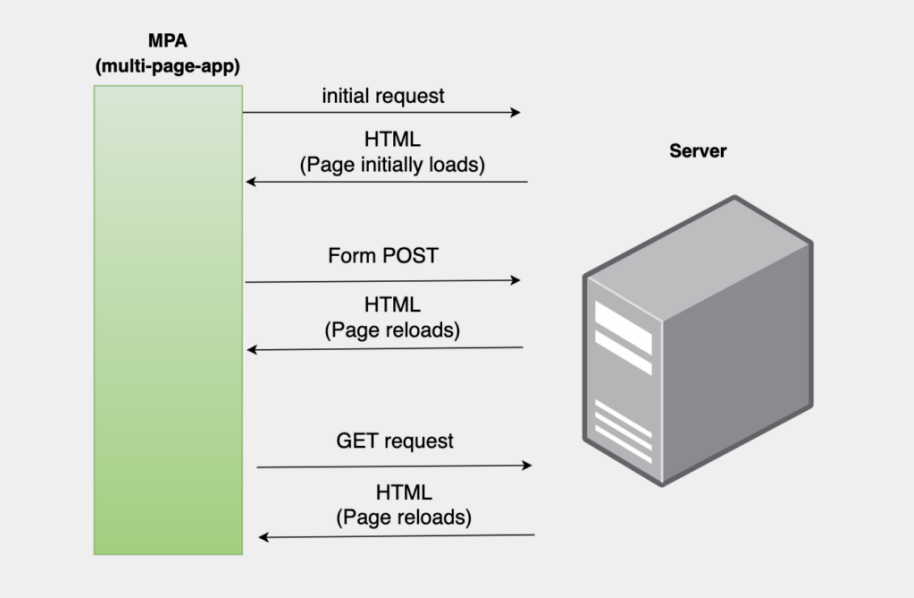
https://auth0.com/docs/quickstart/spa/angular2/01-login

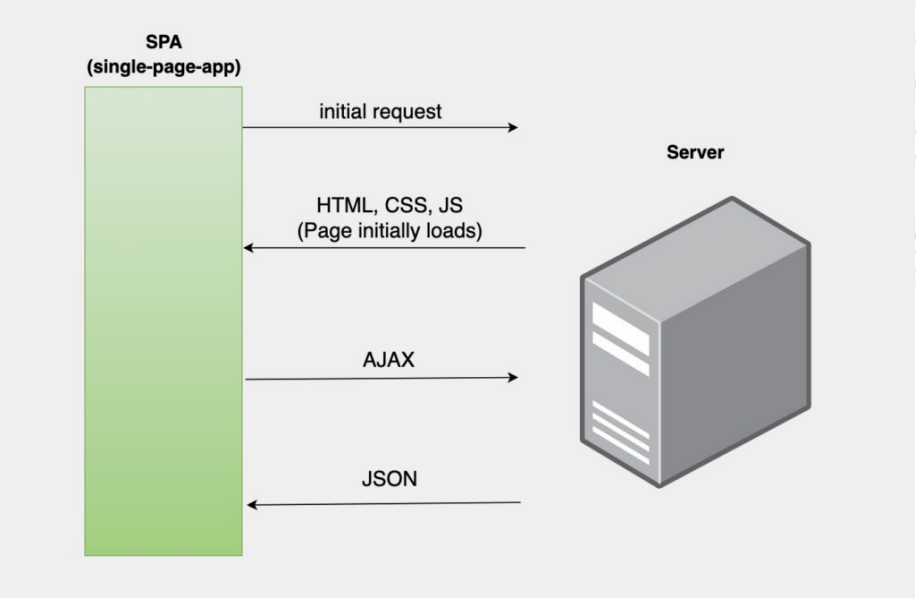
https://github.com/angular/angularfire

https://github.com/angular/angularfire/blob/master/docs/auth/getting-started.md

Server side rendering

Approcci «classici»:





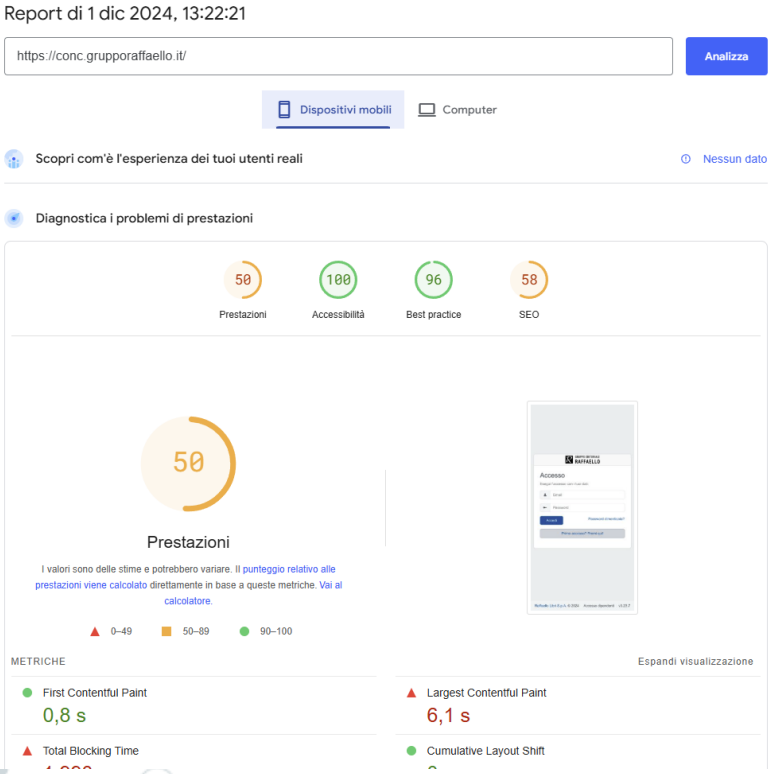
Un nuovo “approccio” sta emergendo:

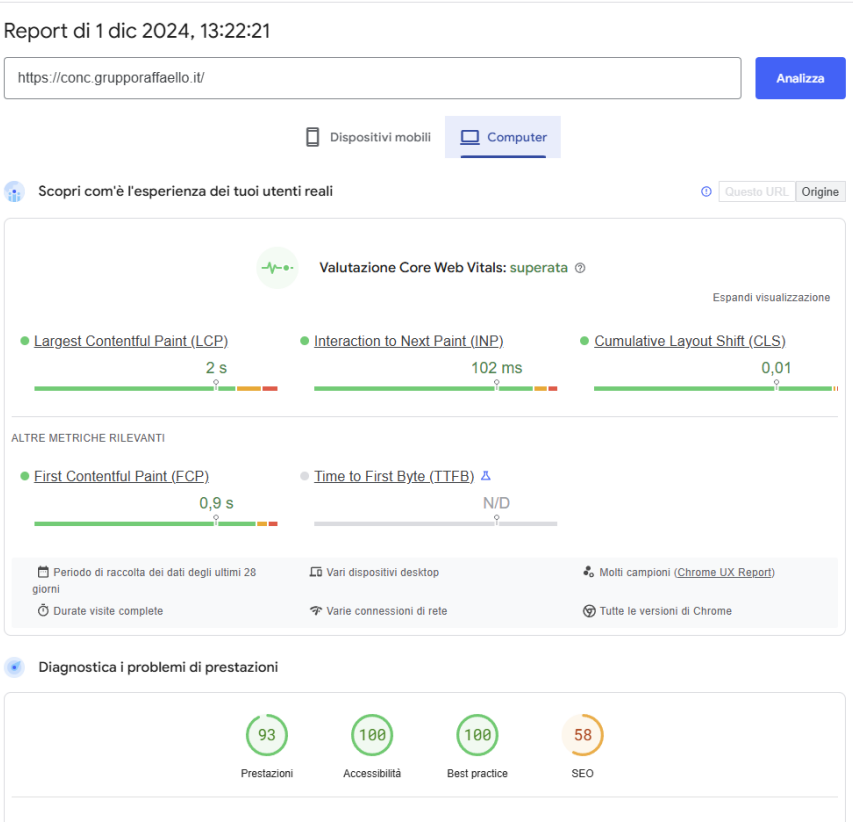
Server Side Rendering

https://pretius.com/blog/angular-ssr/

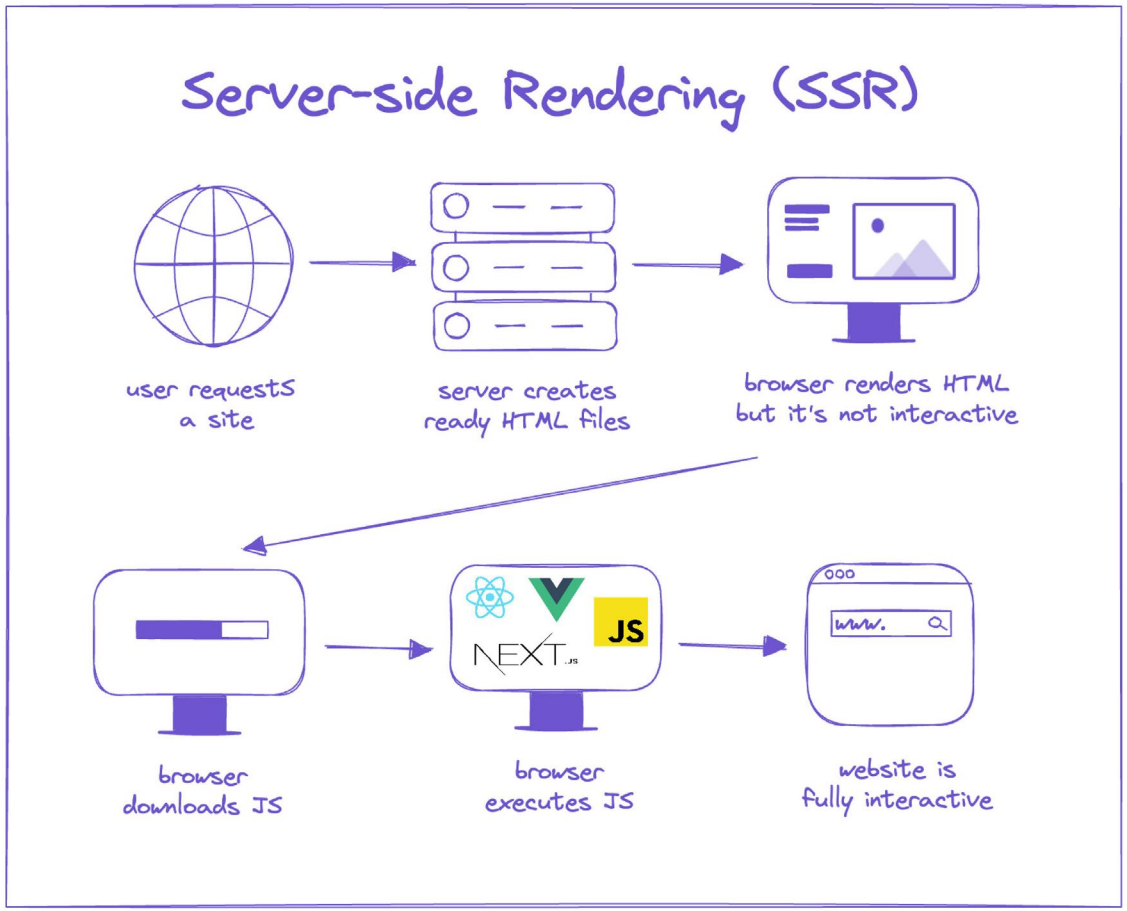
Web vitals / SEO su Single Page Application

https://pagespeed.web.dev/





Server Side Rendering:



https://prismic.io/blog/what-is-ssr

Idratazione del dom:

What is ‘Hydration’?

Server Rendered HTML

Attaching interactive stuff

(e.g. Reusing DOM Structures, Attaching Event Handler, Restoring Application State)

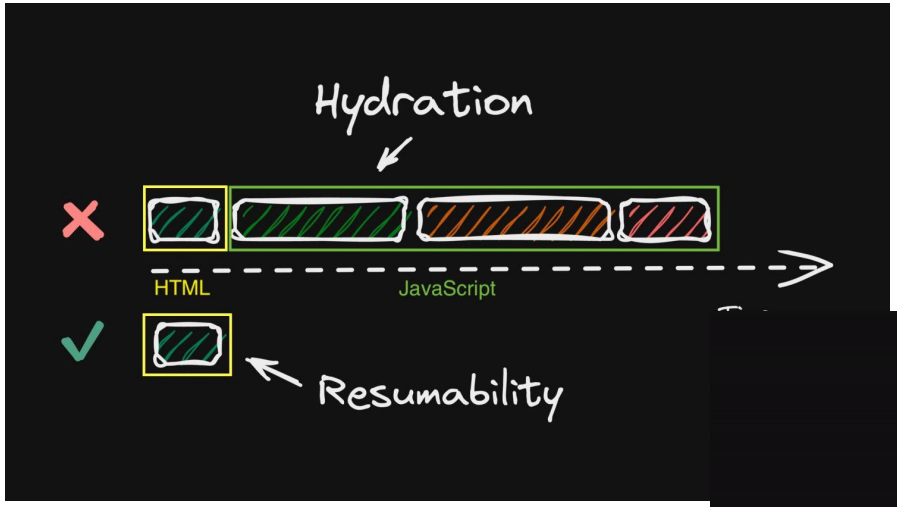
“Booted” Single Page App on client side

PATRICK ROOS
TECH LEAD
SOFTWARE ARCHITECT
SOFTWARE ENGINEER

workingsoftware.dev

https://www.workingsoftware.dev/understanding-ssr-with-hydration-for-software-architects/

Resumability (futuro?):



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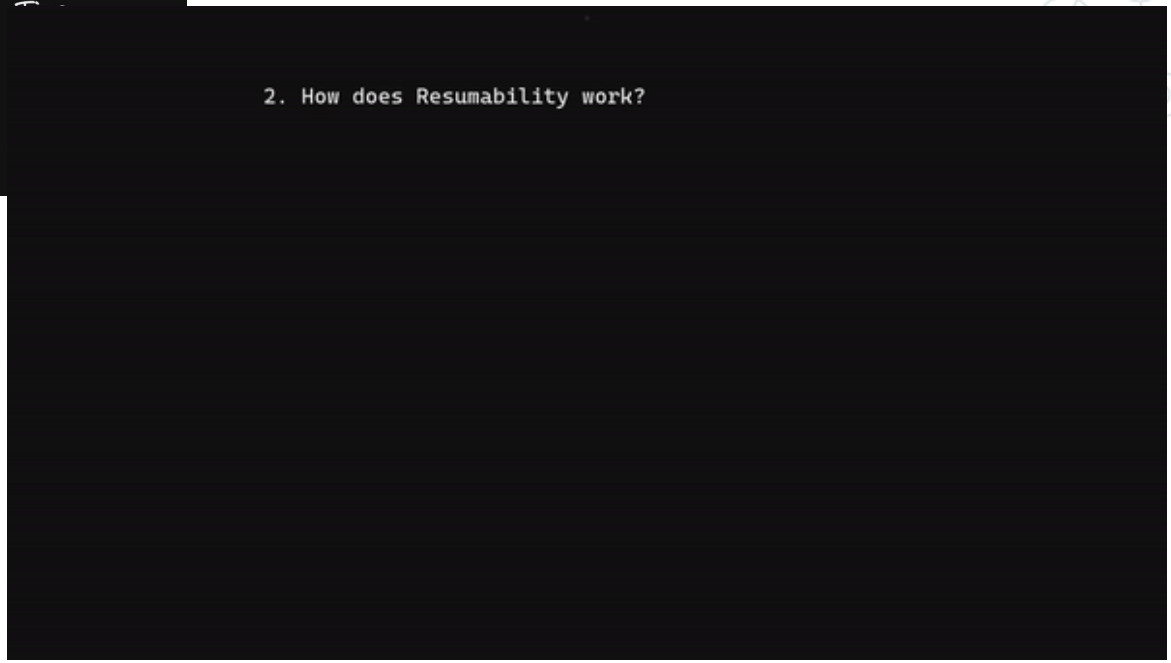

https://www.linkedin.com/pulse/hydration-resumability-what-sets-them-apart-website-usama-tahir-udjmf/

https://qwik.dev/examples/reactivity/counter/