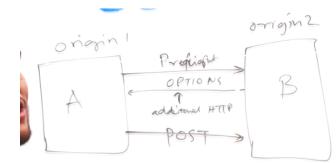
-> CORS - cross origin resource sharing.

this is a mechanism which uses additional FITT headers to tell the browser whether a specific web App can share resource with another web App . But, both web App to trouble have Little rest origin. It they have some origin, they can share resources easily but It have have different origin, they must use core mechanism.

- The Before CORS, browsers never allowed webapps to share original Eg. Is yothaarthsuri, in wants to access Lata from google, a m/api/getPata than it wasn't allowed.
- -> subdomains were also not allowed to accos. Eg apri. yathaanth sun: in
- Infferent ports' access was not allowed Eg Yathaarthsuri in was not allowed to access Yathaarthsuri-in: 5050
- → Different protocols were also not allowed. Eg; hotos:// yathaarth.in
- -> But how cops has become a web standard 50 how tax con share resources.
- How does cors or resource straining between 2 websites work? ans. Suppose it 2 websites howing Litterent origins i-e Smains want to share resources, a CORS preplyht mechanism is followed. So, a Preflyht Options call is made before the actual API call.
- So, if A wonts to post some data to B' then the browser makes a preshight call or an options cell to B' i've the server. Then B' takes the responsibility of verifying whether this call is volid or not. It call is valid then B will set some additional HTTP headers, then the browser will know that B' is safe & then the actual API all is made.



So, this is how resources are shared.

- Some mojorly used additional headers are:

· Access - Control - Allow - Orlgin

When we make a public API, so what we do it, server sots this above hooder as * Which moons that any domain outside of that domain can cross this. We an also restrict access to specific domains, so then we give the value to above header as the domain name tool.

eg: [Access-Control-Allow-Origin: *]
eg: [Access-Control-Allow-Origin: https://yathoarth.suni.in]
by this will just allow this domain name
to access the API or make call to B.

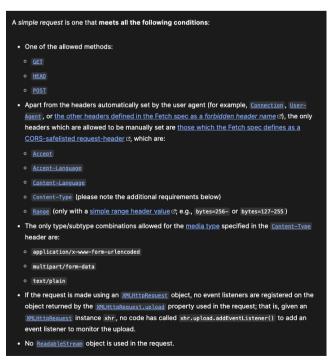
· Access - Control Alb w - Methods Ly to restrict methods (eg: GET, PUT, POST, etc.)

Note This prelight call is not made for all API calls. There are 2 types of access—control mechanisms;

1) Preflight requests 2) Simple requests

50, for some requests, browser already tags than as simple requests so the browser will not make a preflight call for them but directly calls it. so what is a simple request?

A simple request is which meets all the following conditions.





The error como when we make an error following the cors mechanism. To resolve this, we can set the hader from the server.