

We are going to start building out the *authentication* piece of the React app in this section



Don't want to build the React app? No problem!



**Skip to the end of this section and download the zip file.
*Make sure you read the instructions in that lecture!!!!***

Navigation icons: back, forward, refresh, and a document icon.

GitTix Sign Up Sign In

You are not signed in

Navigation icons: back, forward, refresh, and a document icon.

GitTix Sign Up Sign In

Sign Up

Email

Password

Navigation icons: back, forward, refresh, and a document icon.

GitTix Sign Up Sign In

Sign In

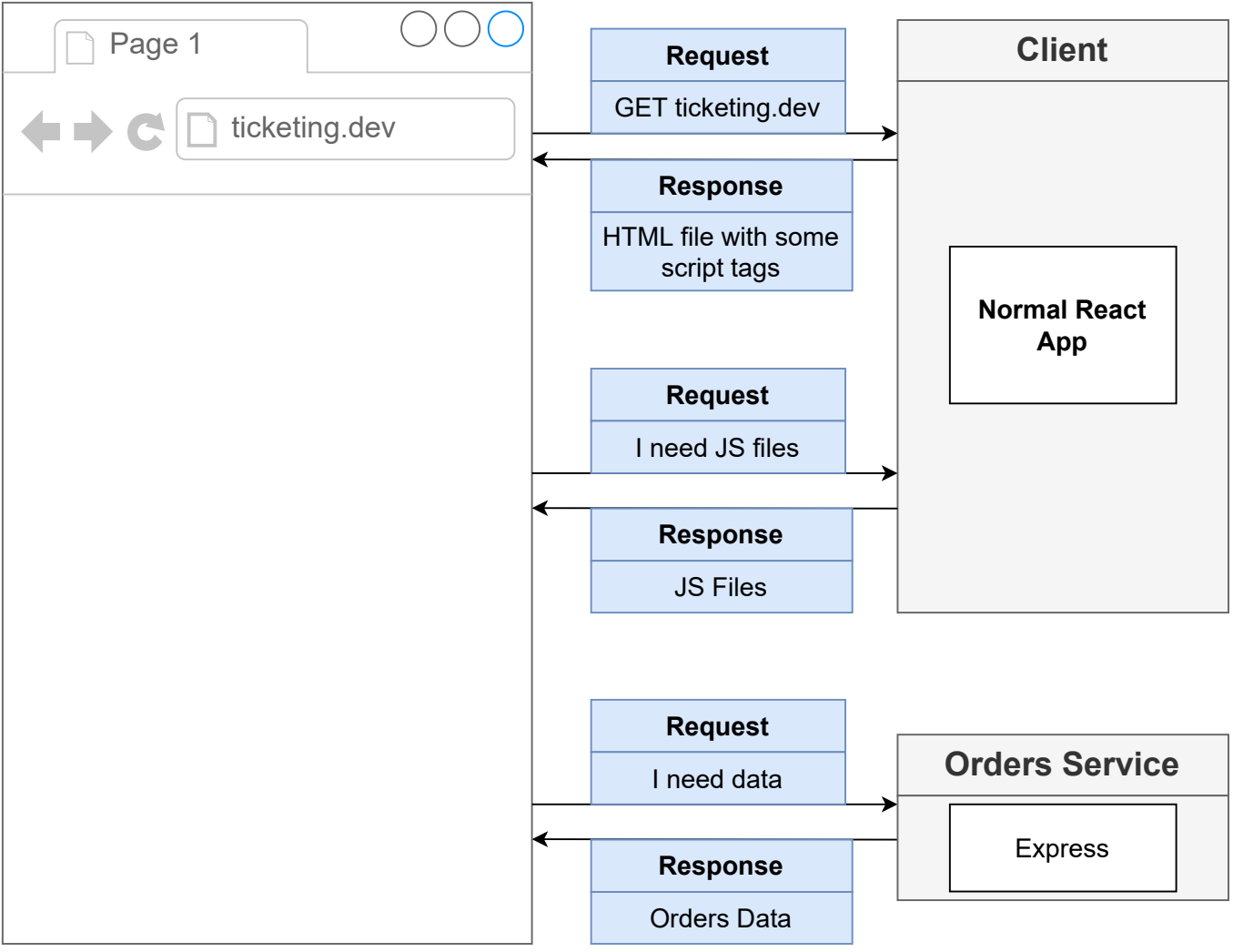
Email

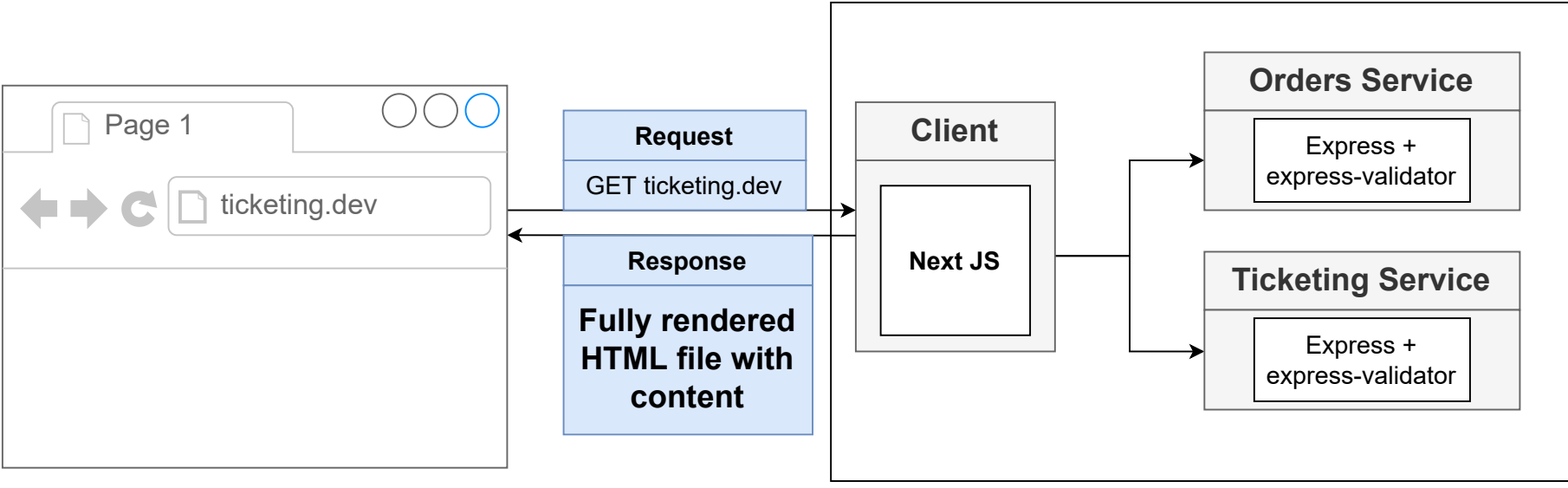
Password

Navigation icons: back, forward, refresh, and a document icon.

GitTix Sign Out

You are signed in





We will be writing the Next app using Javascript, not Typescript



It would be normally be beneficial to use TS, but this app in particular would need a lot of extra TS stuff written out for little benefit

Page 1

← → ↺

GitTix

Sign Up

Sign In

Sign Up

Email

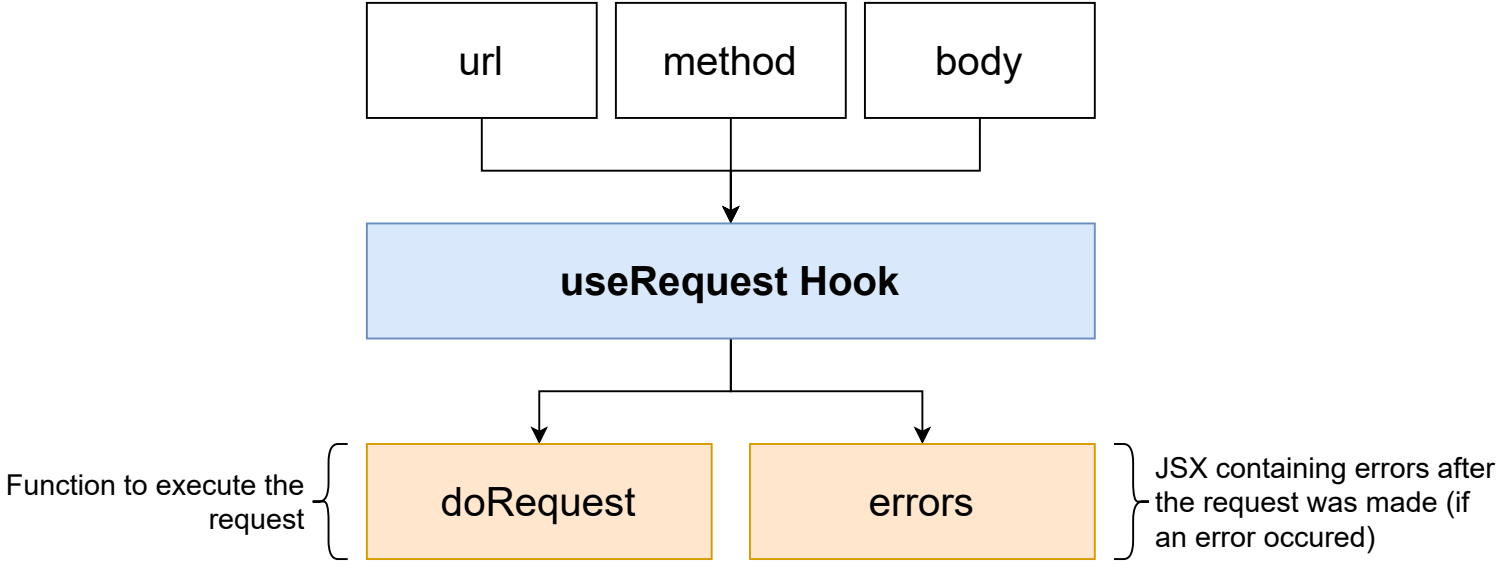
Password

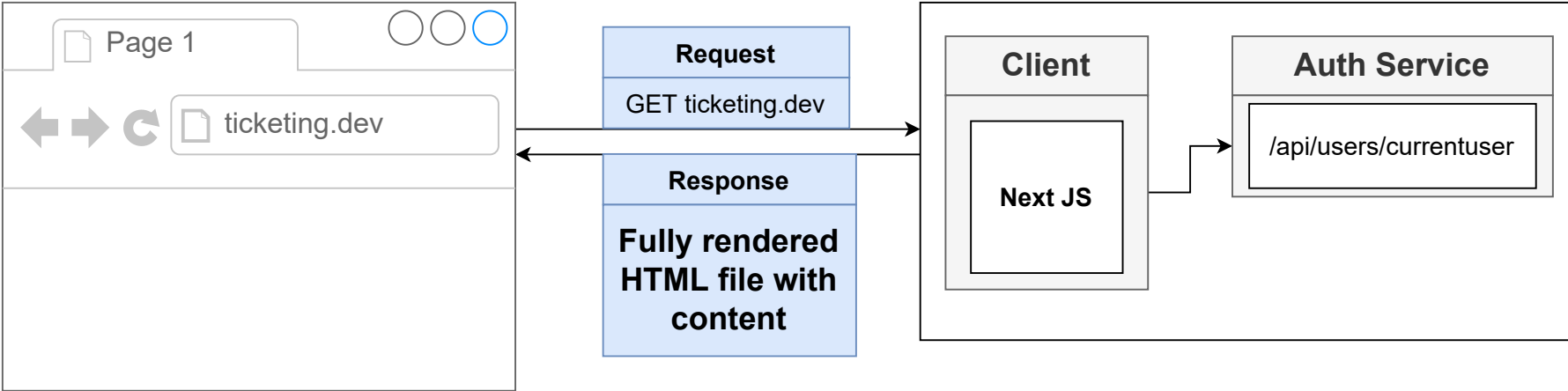
Submit

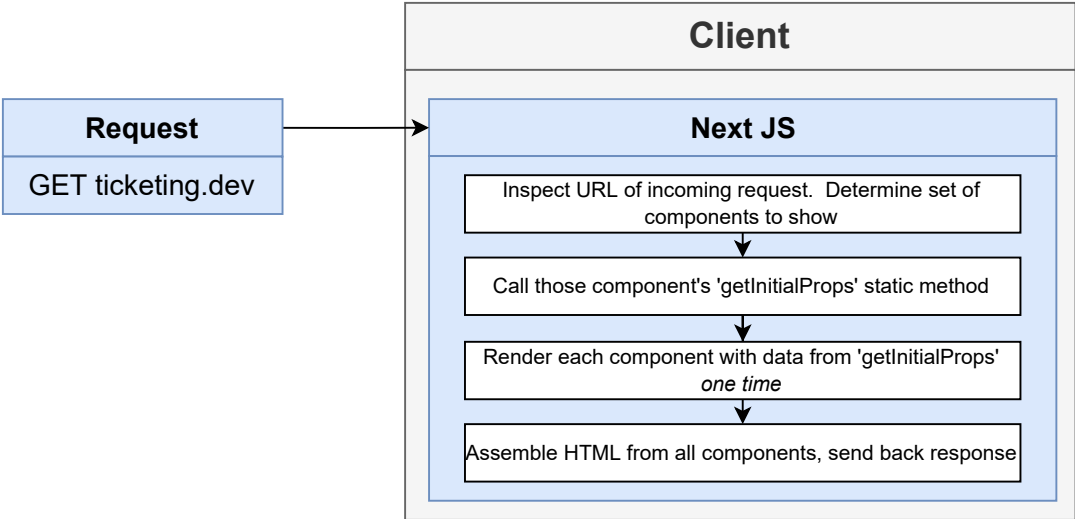
*Sign Up
Request*

Auth Service

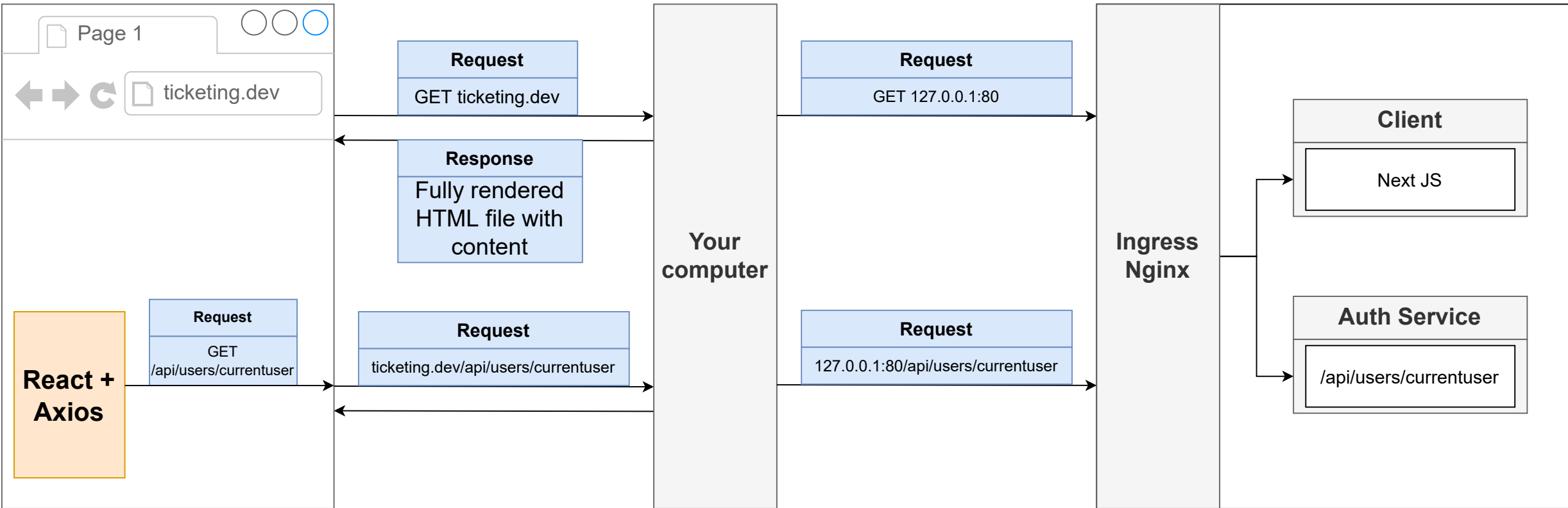
POST
`/api/users/signup`

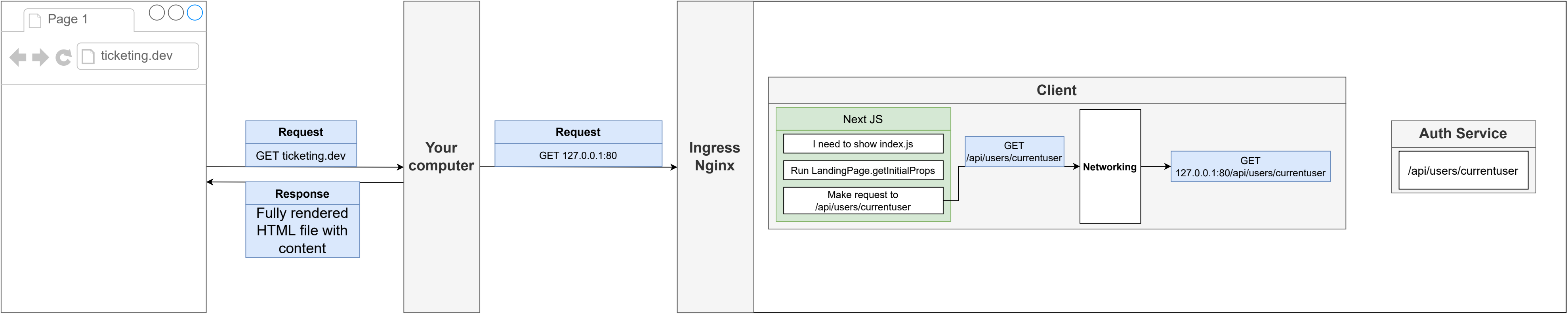


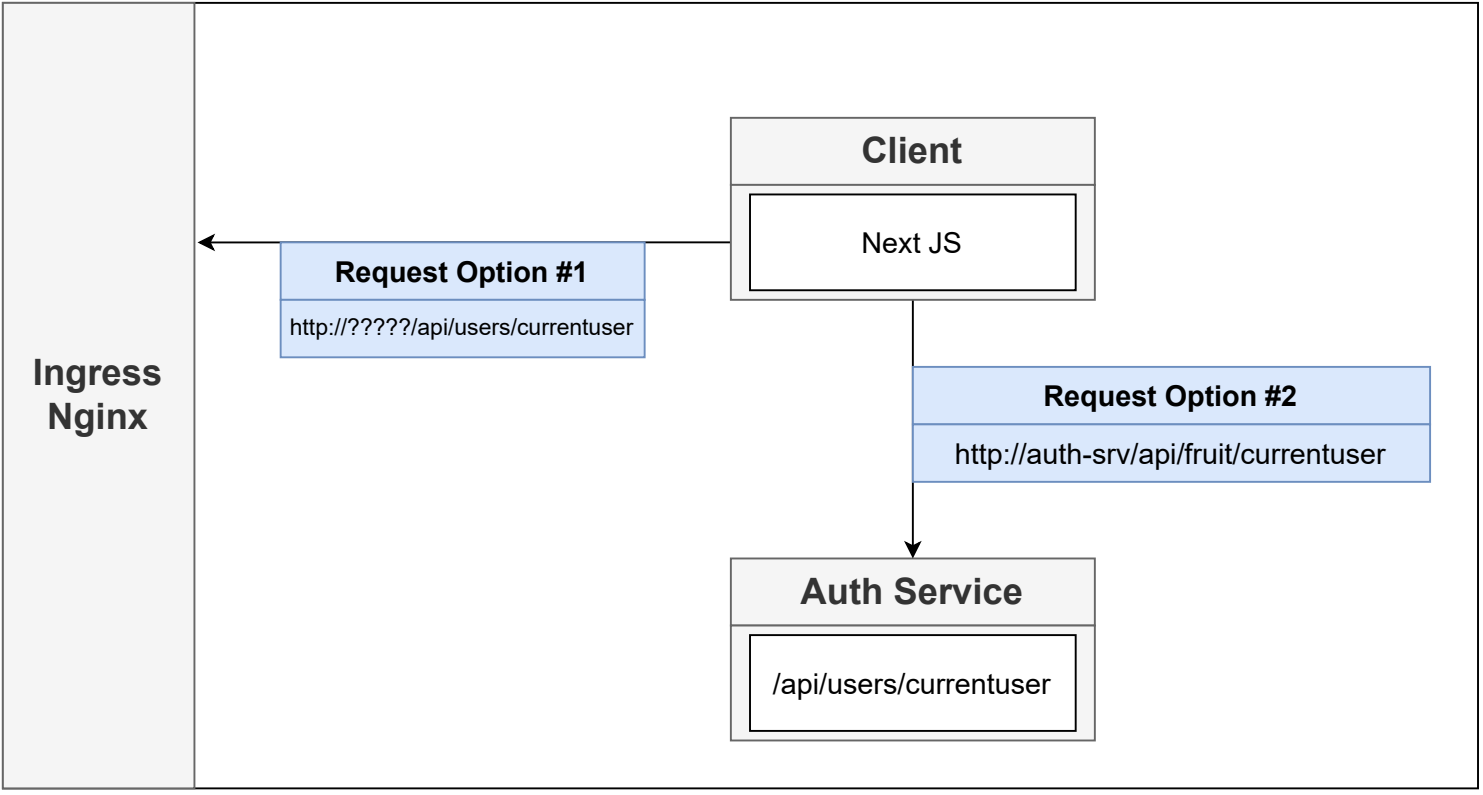


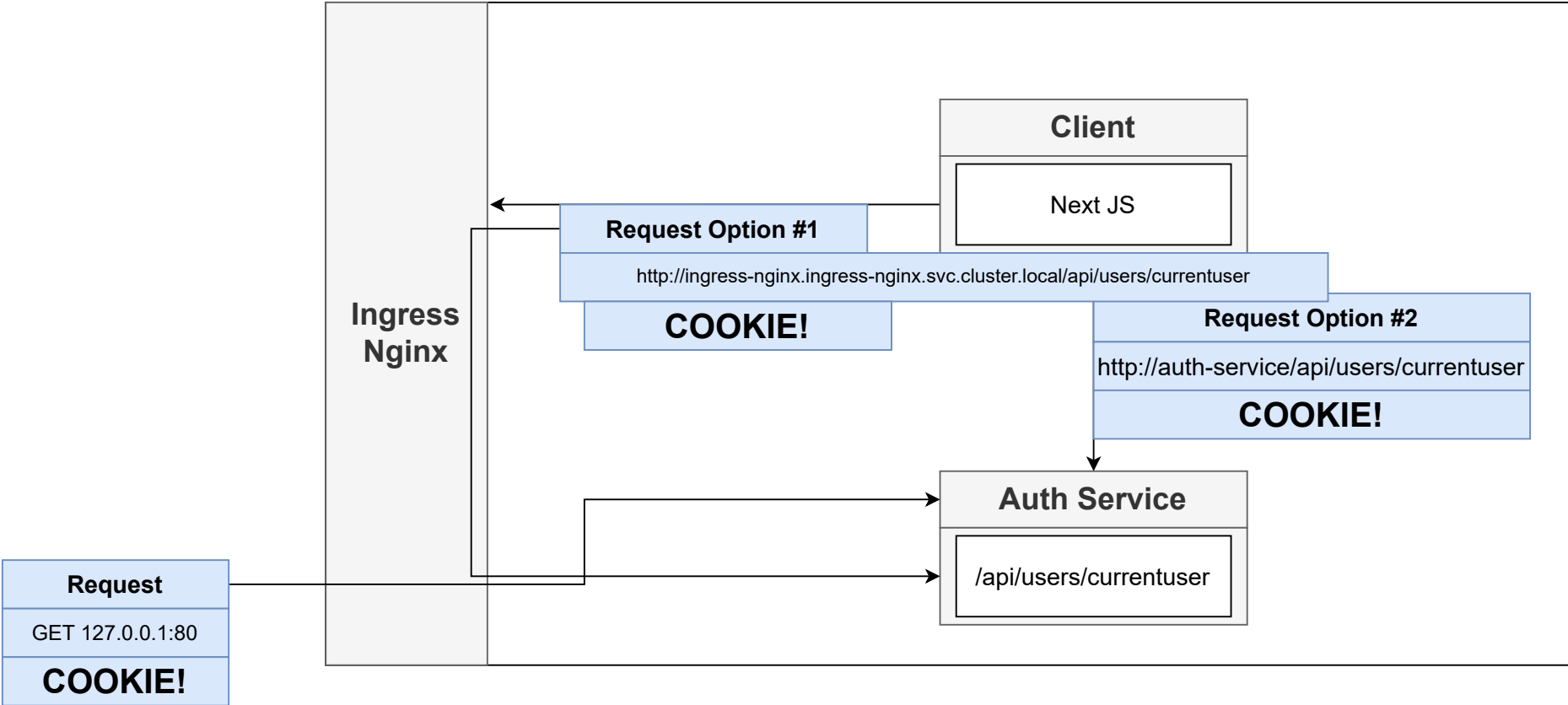


Making Request From Browser (this worked for us)









We access services using that 'http://auth-srv' style only when they are in the *same namespace*

'ingress-nginx' Namespace

Ingress Nginx

'default' Namespace

Client
ClusterIP
Service

Client

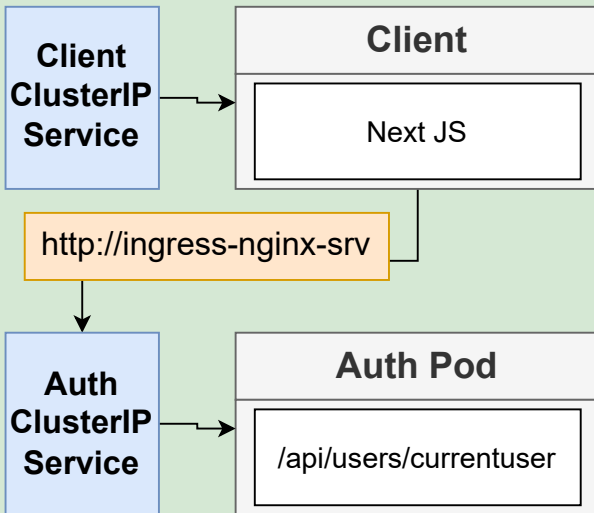
Next JS

http://ingress-nginx-srv

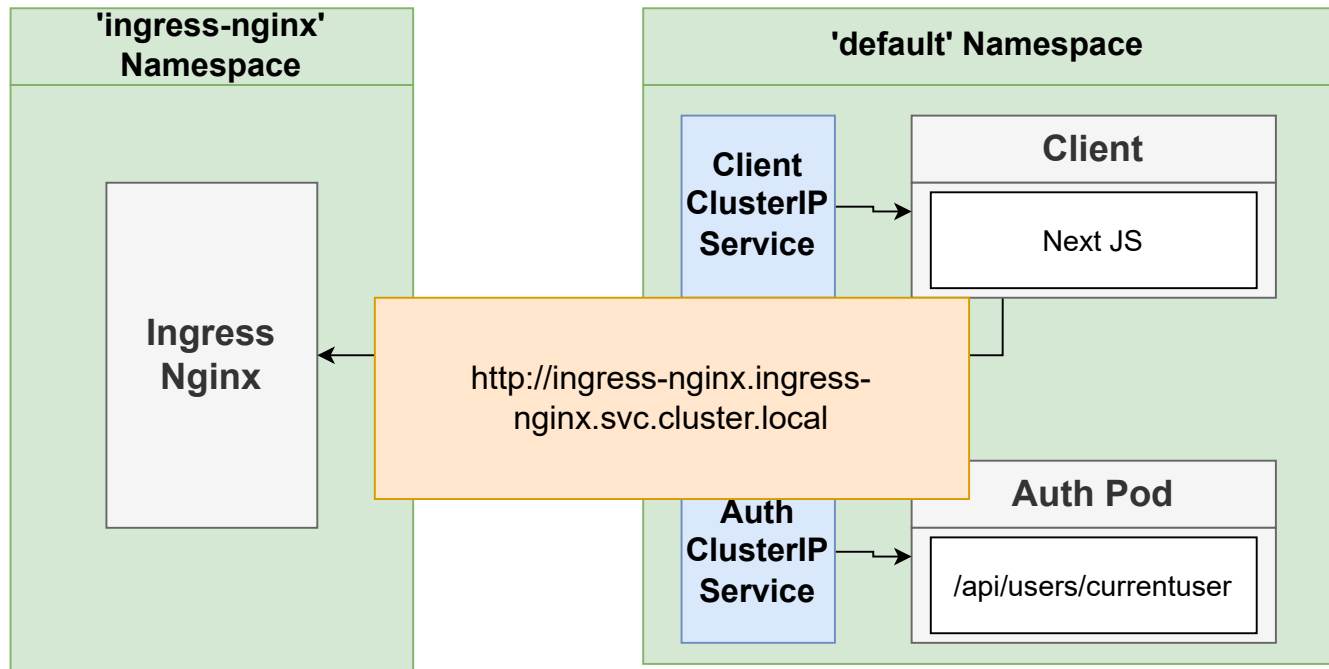
Auth
ClusterIP
Service

Auth Pod

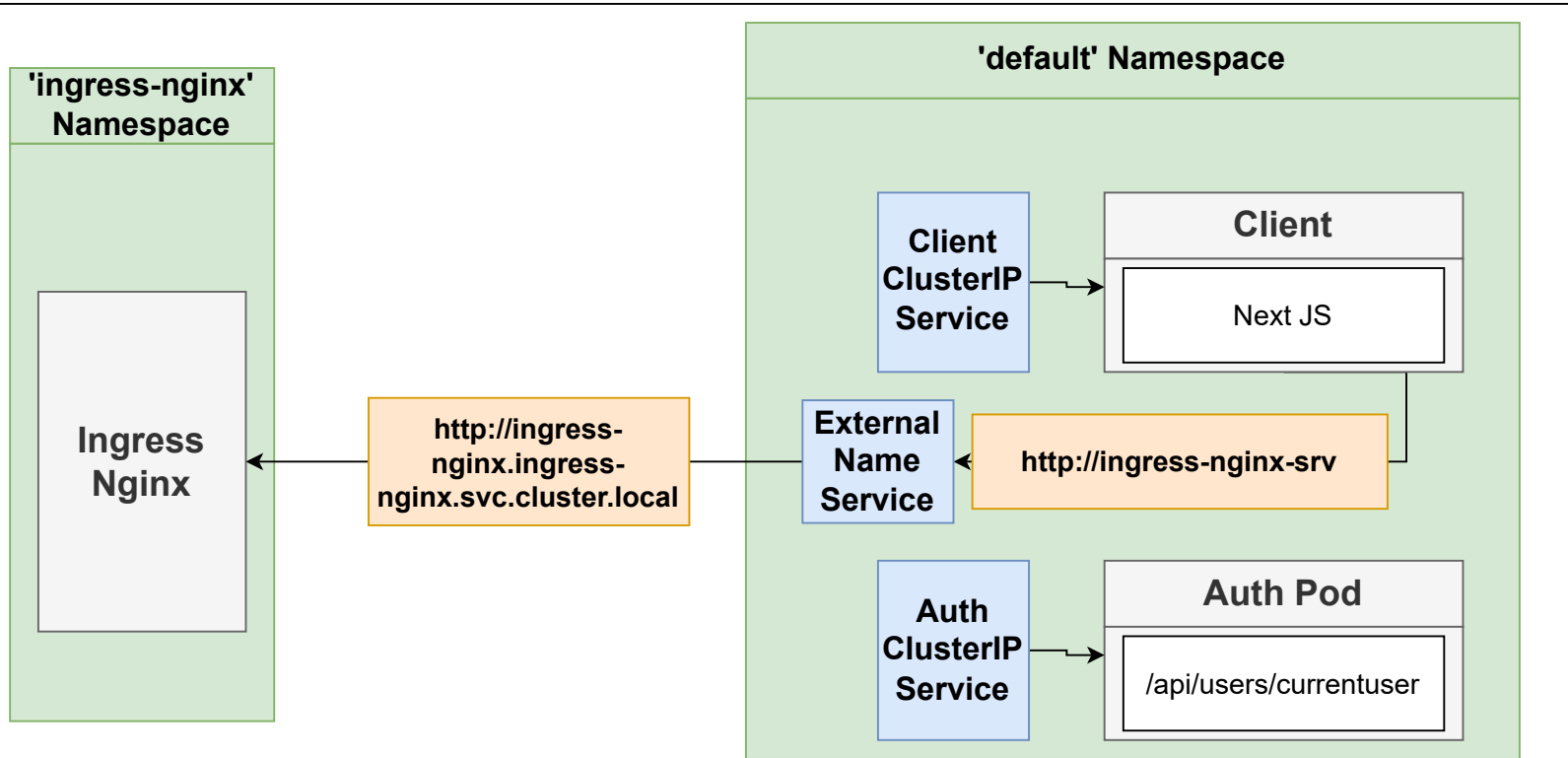
/api/users/currentuser



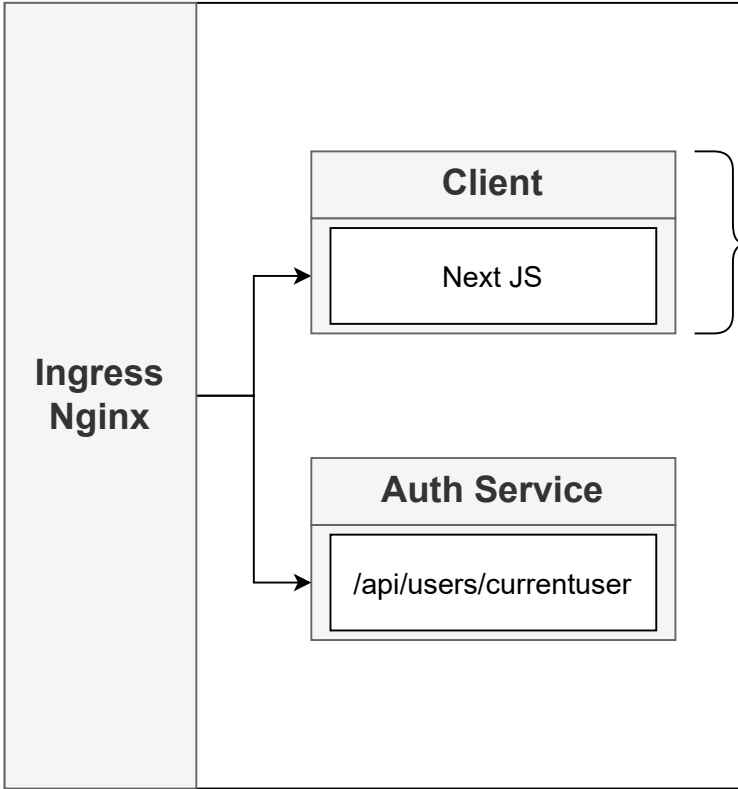
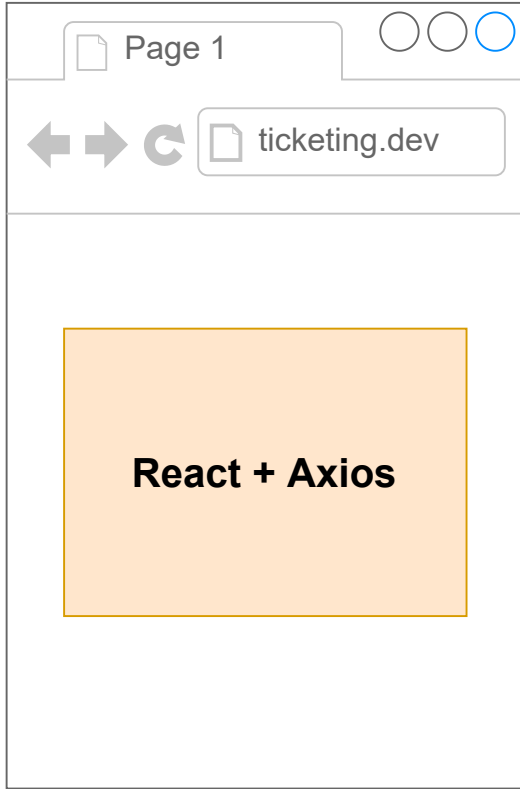
Cross namespace communication uses a different pattern



We can also create an 'ExternalName' type service so we can follow the easier pattern



Request from the browser? Configure axios to use a baseURL of "



Request from a component



Always issued from the browser,
so use a domain of "

Request from `getInitialProps`



Might be executed from the
client or the server! Need to
figure out what our env is so we
can use the correct domain

Request Source

Hard refresh of page

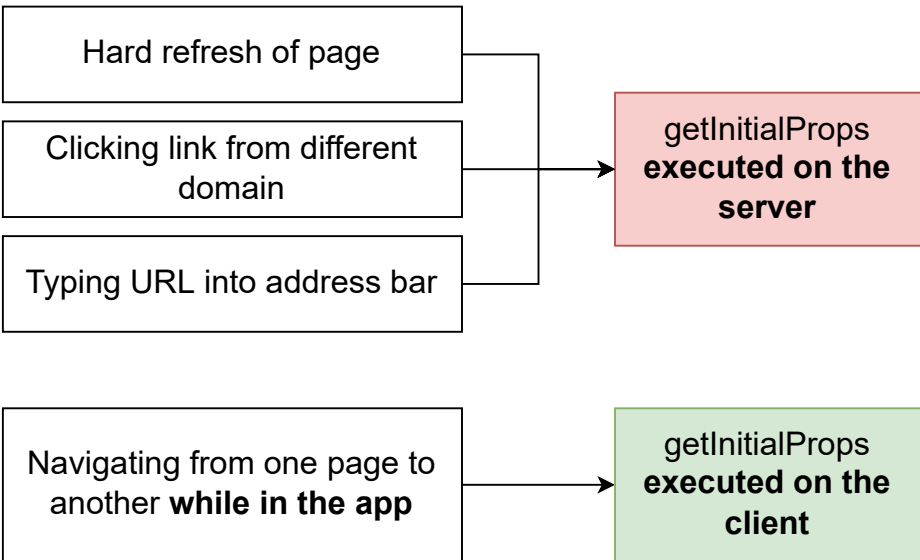
Clicking link from different domain

Typing URL into address bar

`getInitialProps`
executed on the server

Navigating from one page to another **while in the app**

`getInitialProps`
executed on the client



Incoming Request (with headers!)

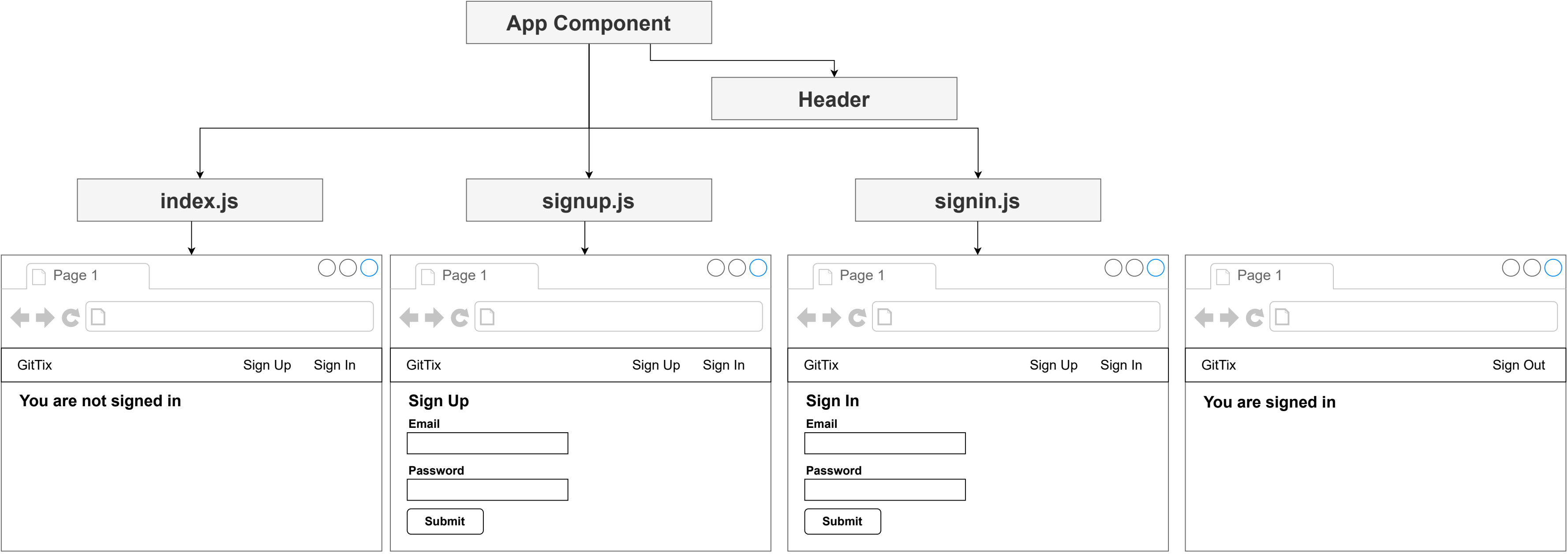


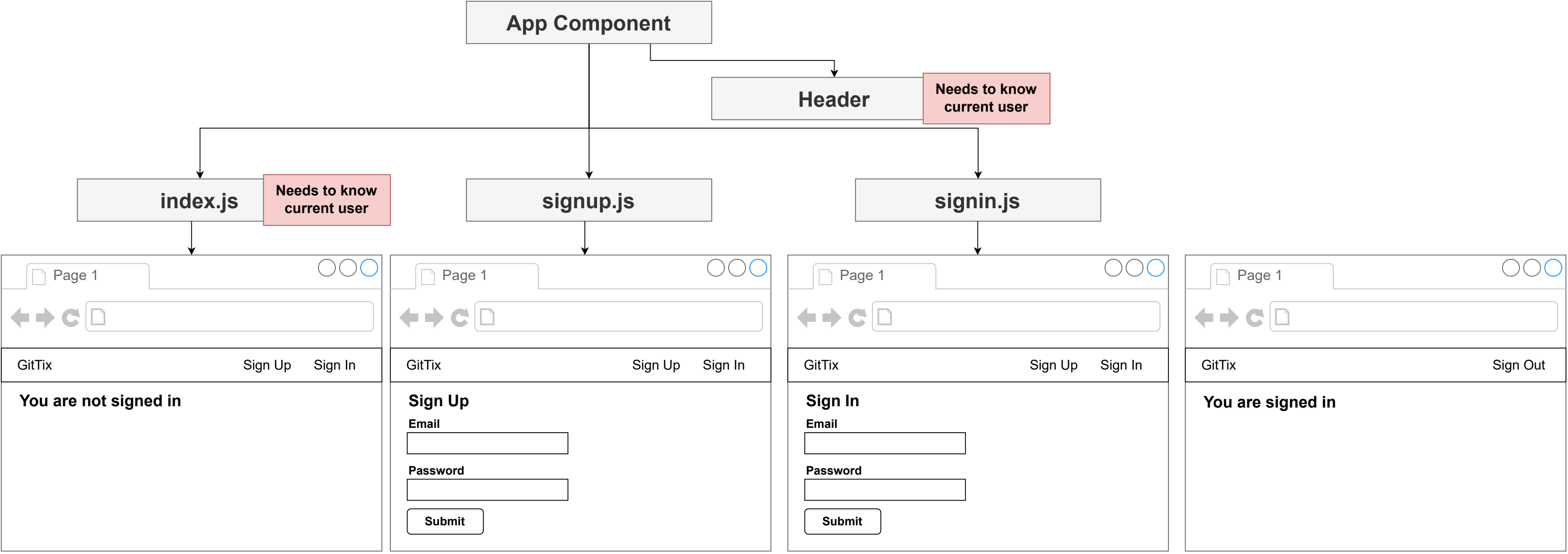
**Logic to build an instance of
axios that works on current
env**

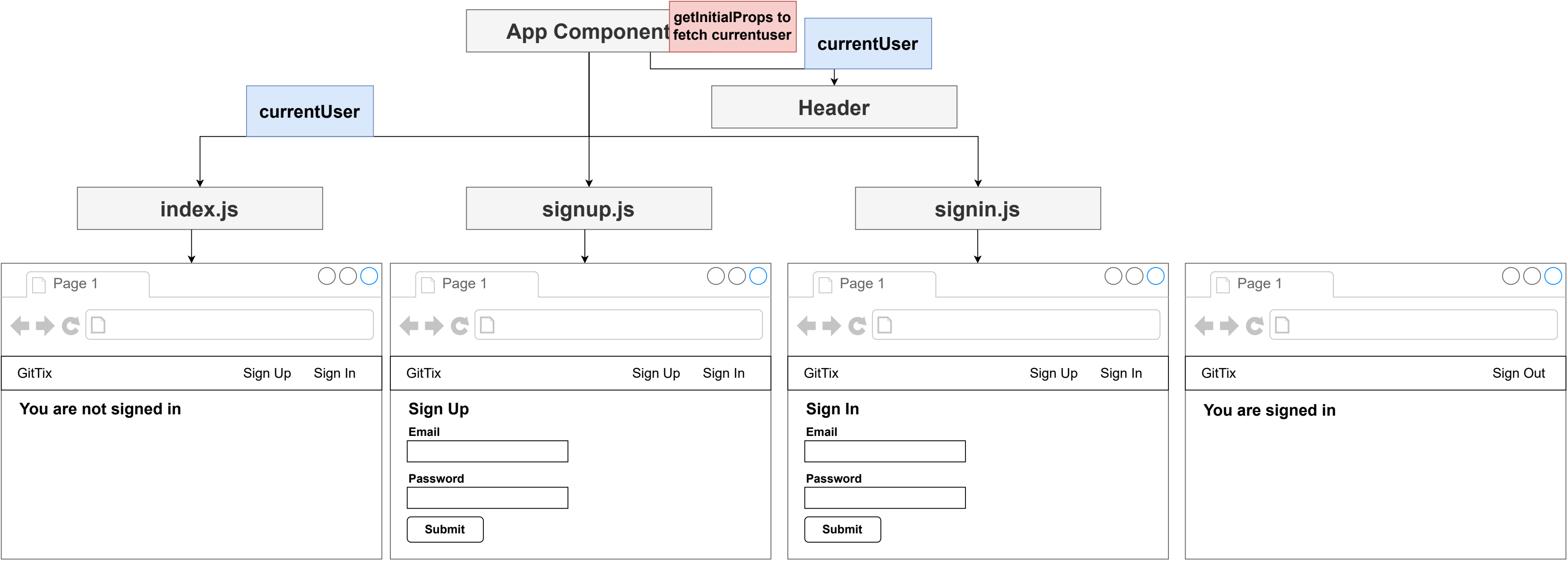
buildClient {

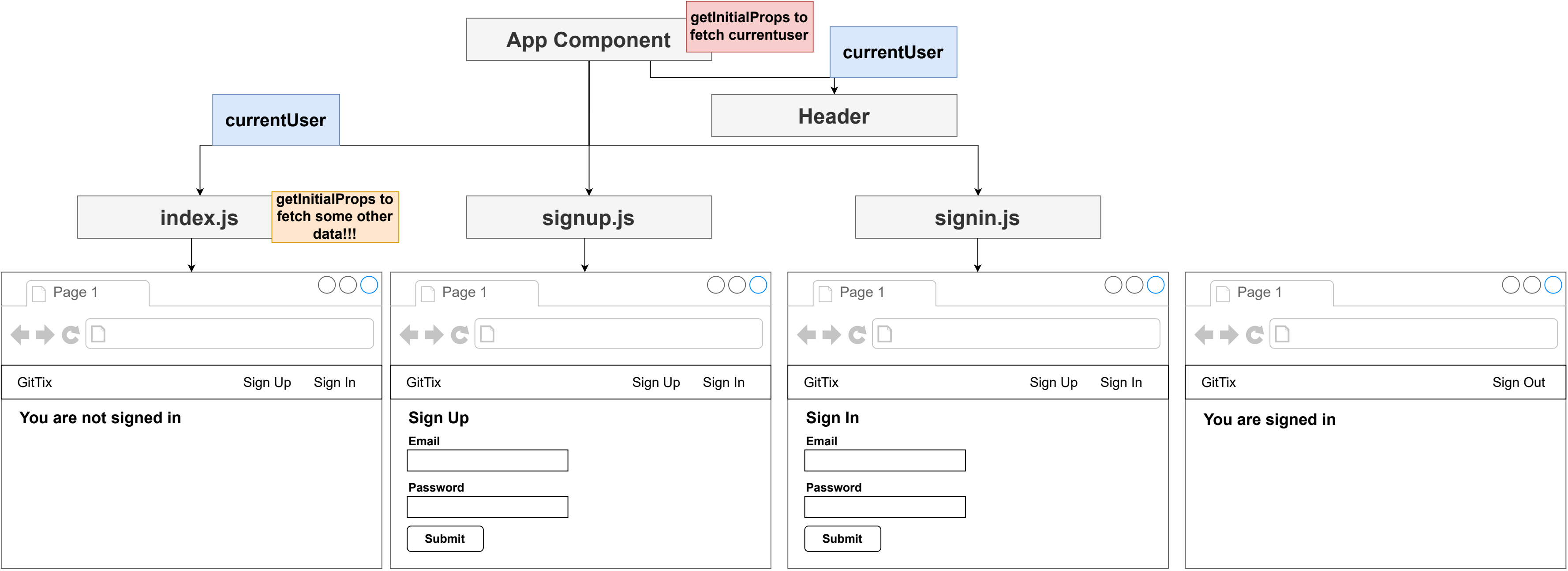


**Preconfigured version of axios
that *just works***










```
context === { req, res }
```



Page Component
getInitialProps

```
context === { Component, ctx: { req, res } }
```



Custom App Component
getInitialProps

AppComponent
getInitialProps

LandingPage
getInitialProps

props

App Component

props

Landing Page

