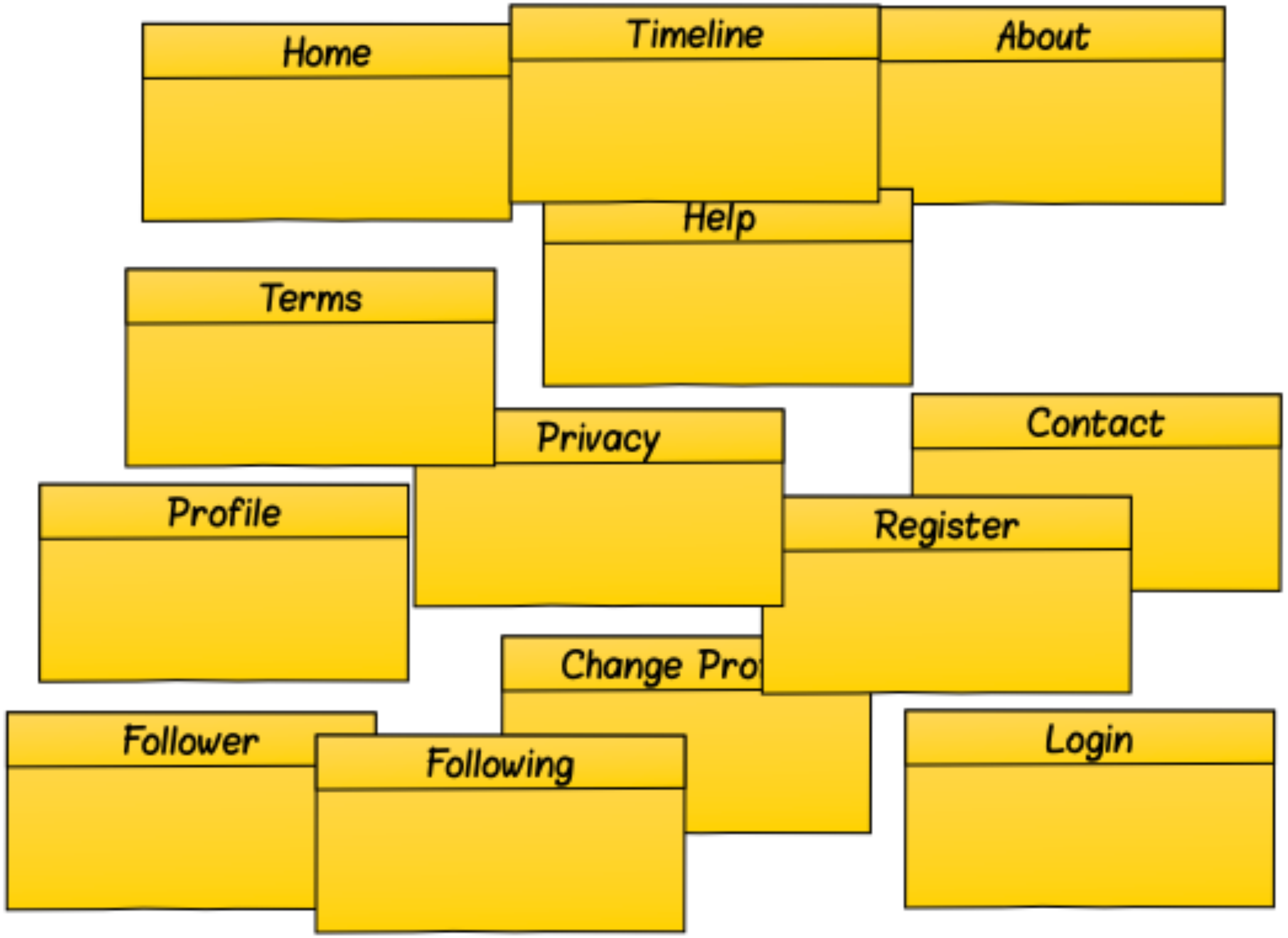
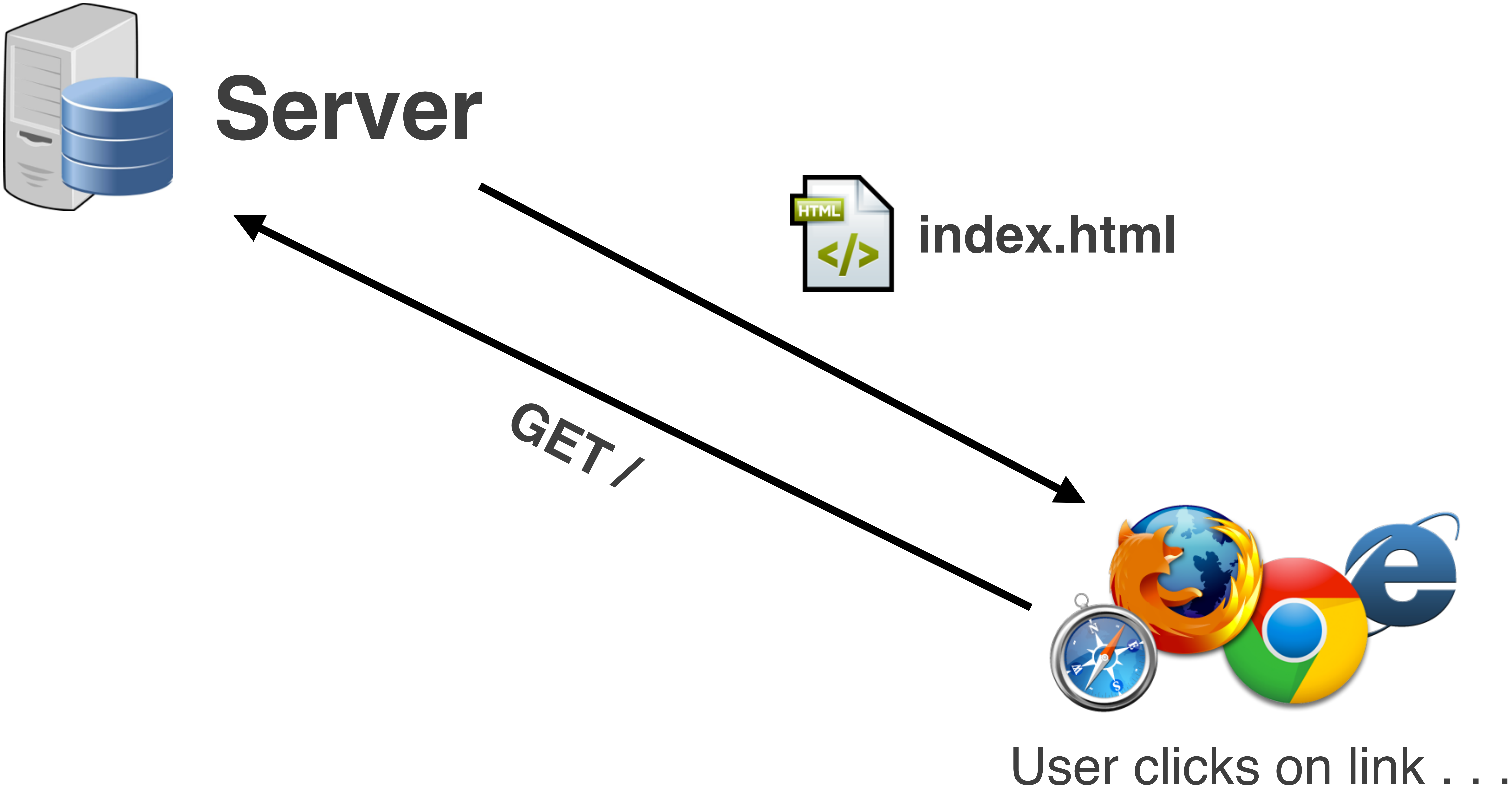
REACT ROUTER

Declarative routing for React


Home
Timeline
About
Help
Terms
Privacy
Contact
Profile
Register
Change Pro
Follower
Following
Login

BEFORE SINGLE PAGE APPLICATIONS — **MULTI-PAGE APPLICATIONS**

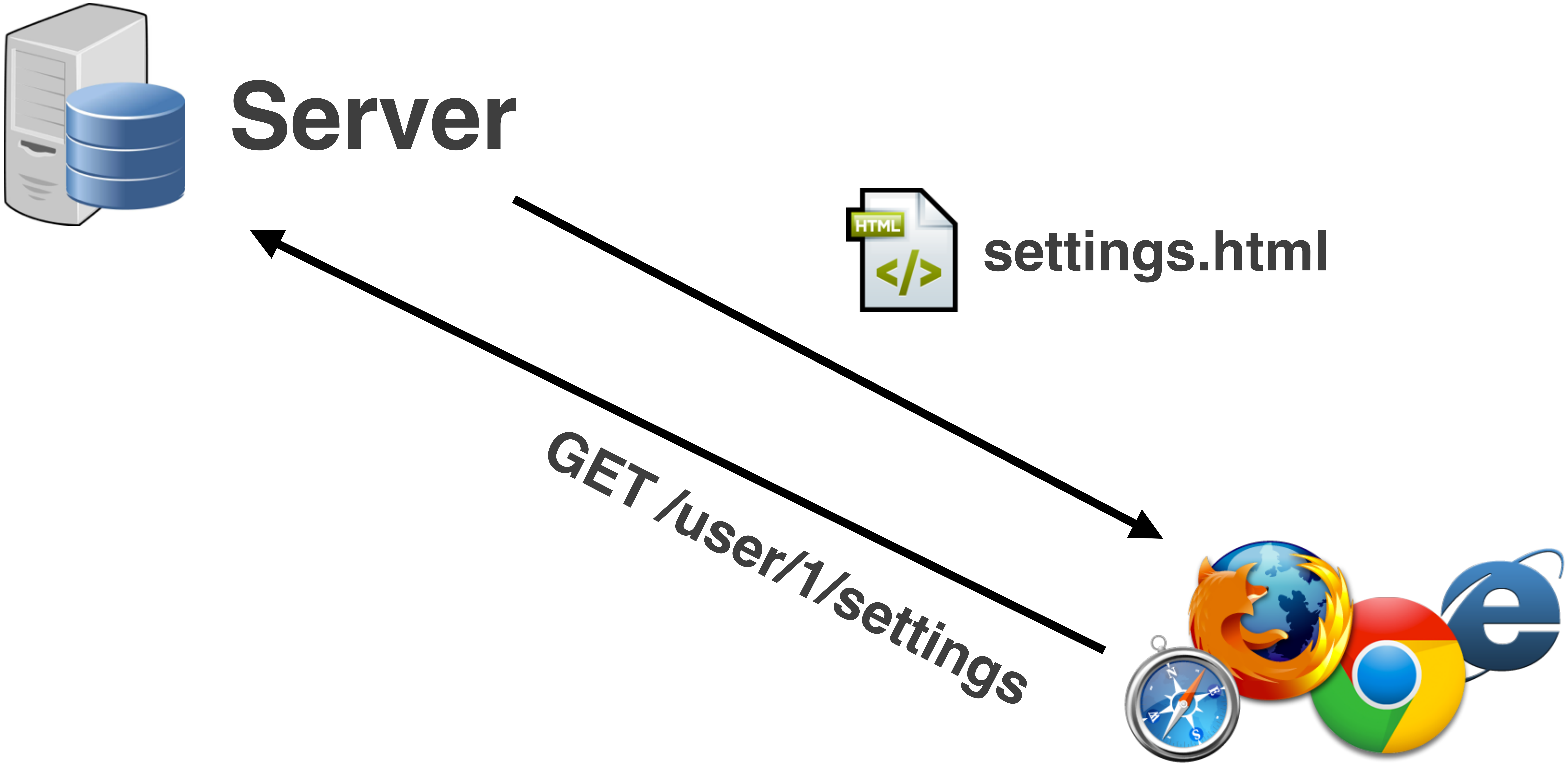


Server

index.html

GET /

User clicks on link . . .



Server

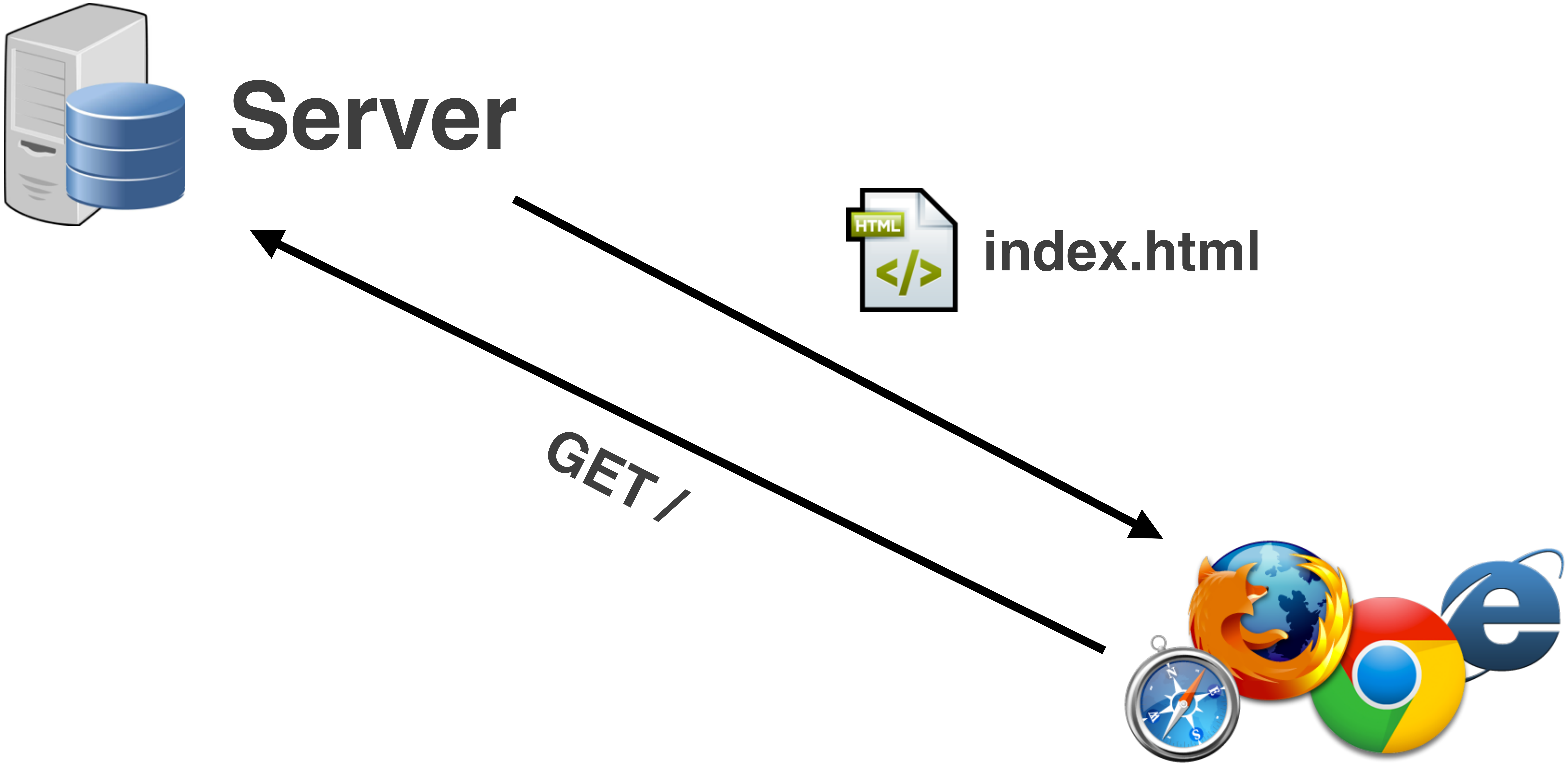
settings.html

GET /user/1/settings

MULTI PAGE APPLICATIONS

- Views stored on the server, served up as HTML pages.
- When user goes to a new page, the browser navigates in totality, navigating, refreshing and retrieving a brand new HTML.
- Each page, since it is a new page, retrieves stylesheets, script files, etc.

SINGLE PAGE APPLICATION (SPA)

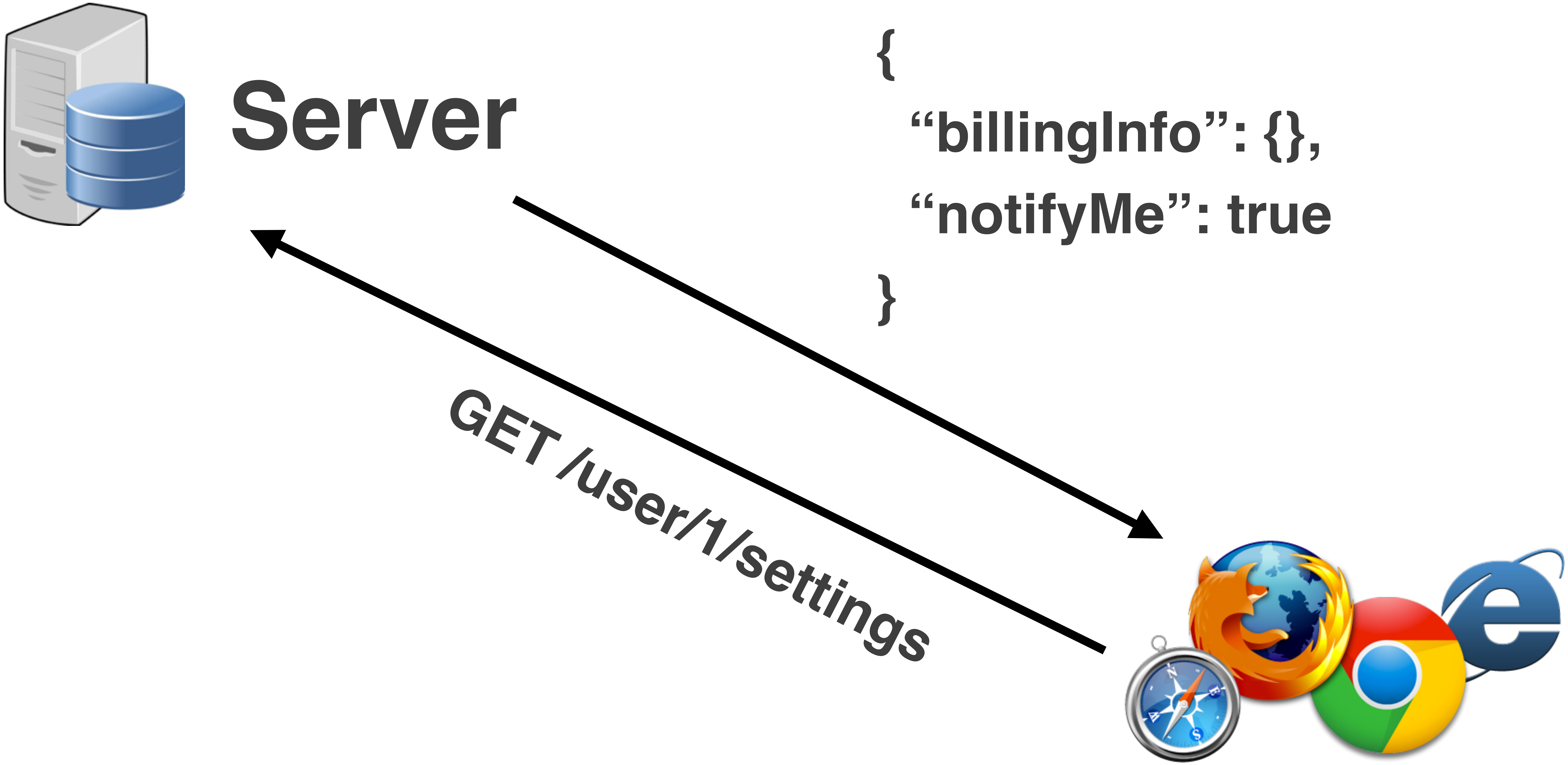


Server

index.html

GET /

User clicks on link . . .



Server

GET /user/1/settings

```
{
  “billingInfo”: {},
  “notifyMe”: true
}
```

Display settings view

SINGLE PAGE APPLICATIONS

- **On page change, a new page is not loaded. The front-end application replaces elements on existing DOM to update view.**

- **AJAX plays a big part to fill in data that would normally be served up by the server (think nunjucks).**

- **Browser** History **API allows for control of URL and back/forward button, even though pages are not visited.**

REACT ROUTER

WHAT IS REACT-ROUTER?

- React Router keeps your UI in sync with the URL.
- Ties into URL and history to allow for easy navigation to and between different parts of your application.
- Easily integrates nesting of components.

(FRONTED)

ROUTE = URL + COMPONENT

WHEN THE URL BAR MATCHES THE URL SPECIFIED IN THE ROUTE, REACT-ROUTER CAUSES THAT SPECIFIC COMPONENT'S RENDER FUNCTION TO EXECUTE

REACT ROUTER