



NEXT 13 SERVER COMPONENTS

Another *CodingWithCallum™* Session

⚡ *lightning talk* ⚡



SERVER COMPONENT

A component that is fetched and rendered *ON
THE SERVER*

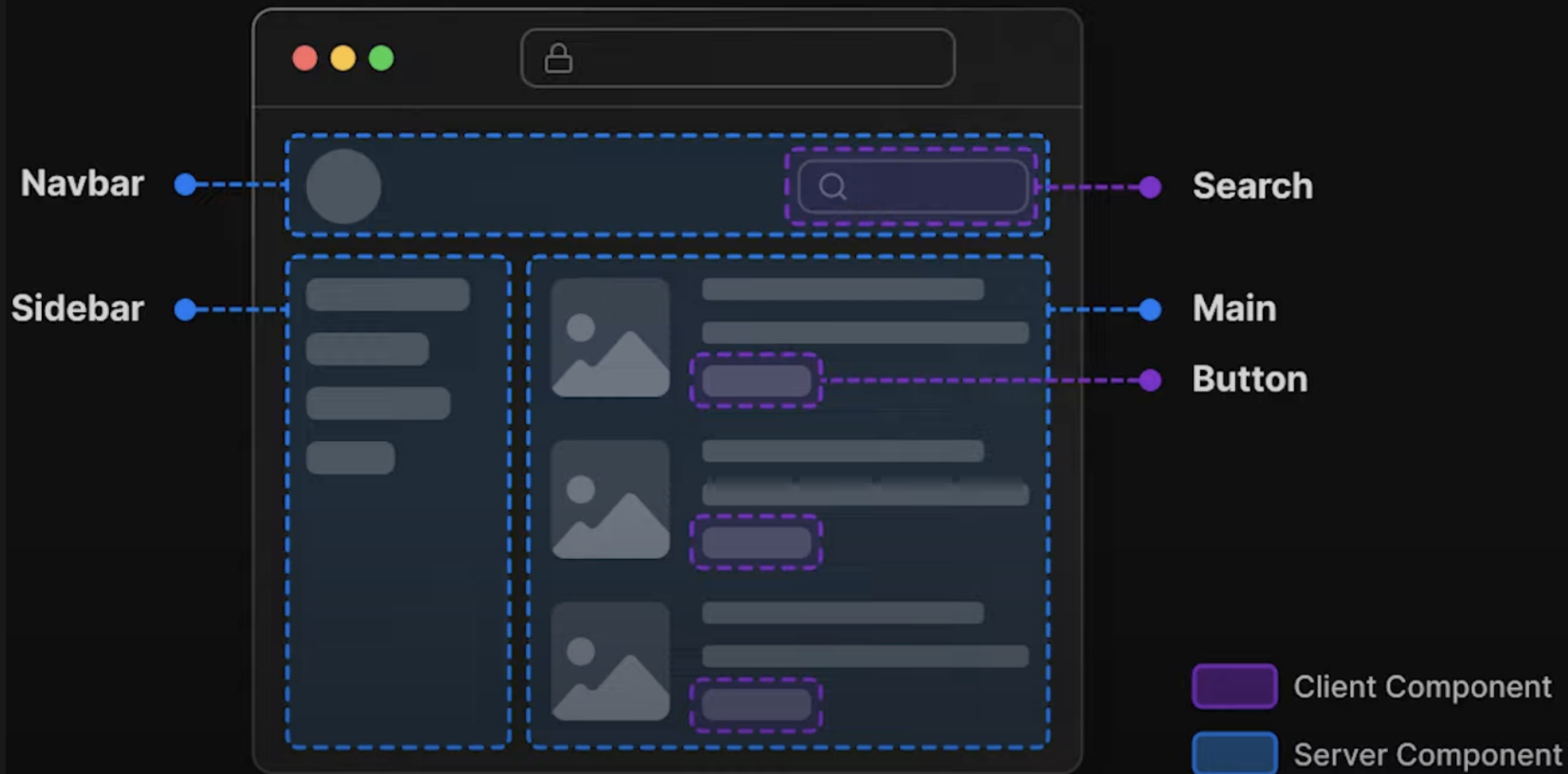


CLIENT COMPONENT

A component that is fetched and rendered *ON*
THE CLIENT

EXAMPLES

Next.js App



USING SERVER COMPONENTS



- Only download HTML built by the server
 - Instant render
 - Speed 🏃💨
- + the JS required for the client components
 - (if any)
 - react cached
- Make direct API calls (server to server)

NOT USING SERVER COMPONENTS

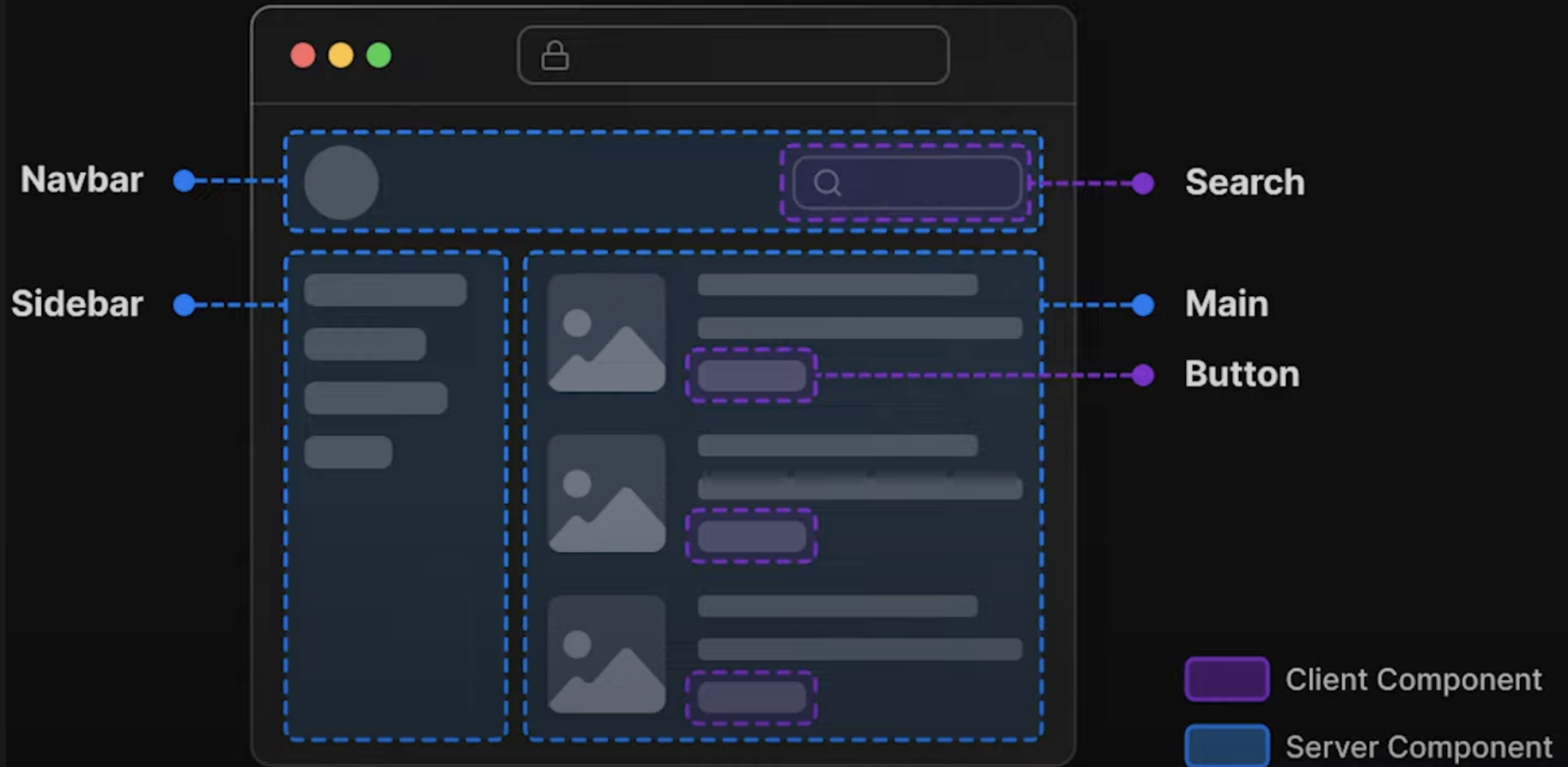
- Install all JS Dependencies to run the site
 - React etc.
- Then grab all our Client JS
 - Components
- Then render

WHEN TO USE SERVER VS CLIENT COMPONENTS

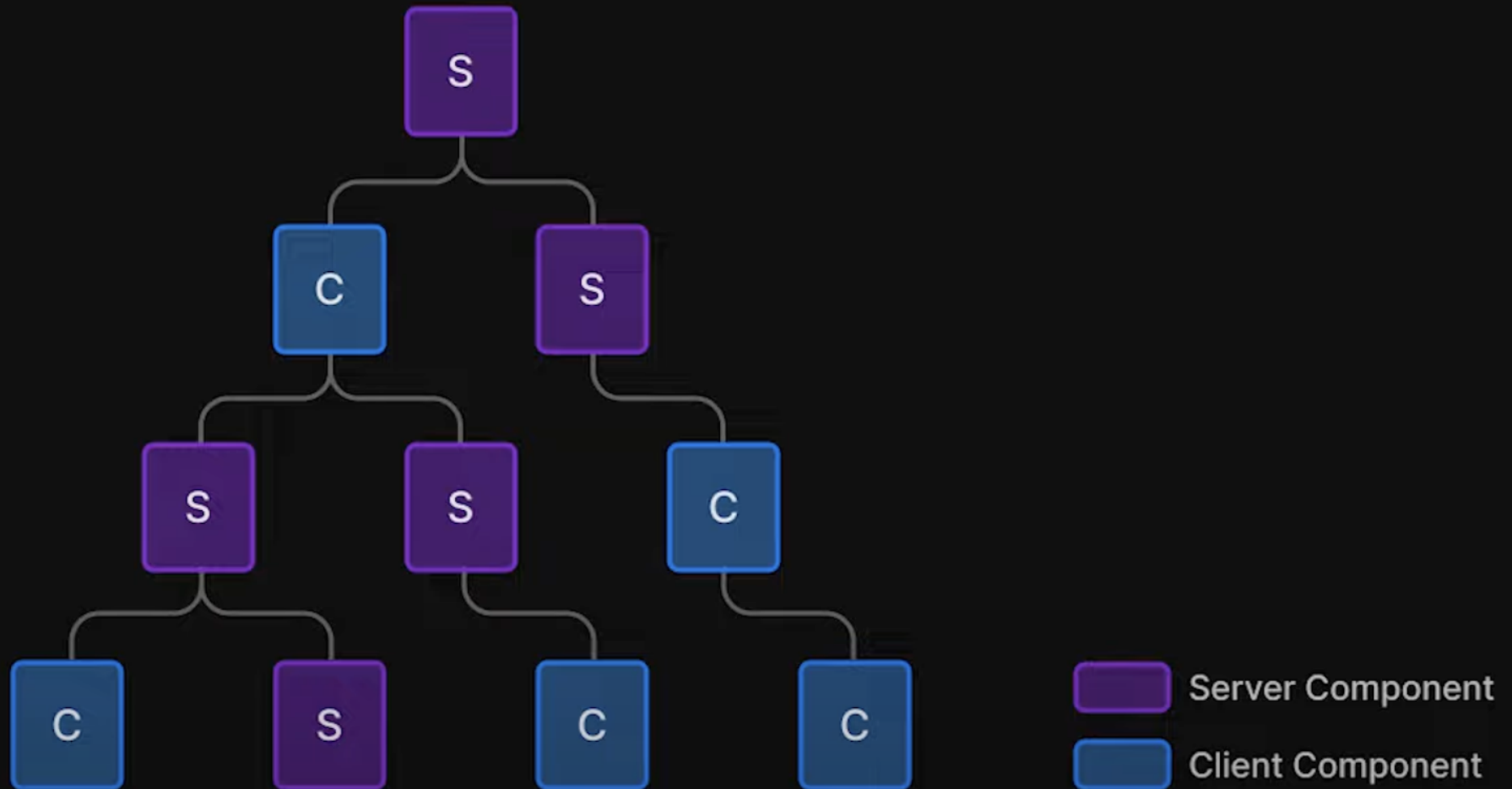
Need to access browser related stuff = Client
Component

Anything Else? = Server Component

Next.js App



INTERLEAVING



HOW DO I DEFINE A CLIENT COMPONENT

```
'use client';

import { useState } from 'react';

export default function Counter() {
  const [count, setCount] = useState(0);

  return (
    <div>
      <p>You clicked {count} times</p>
      <button onClick={() => setCount(count + 1)}>
        Click me
      </button>
    </div>
  );
}
```


SHARED COMPONENT



What if something is Server And Client

Wait what?

SHARING DATA FROM SERVER TO CLIENT

- Make your API requests on the server
- Keep as many dependencies on the server as possible
 - Eg. pass i18n translations from server > client to avoid client code
 - (prop drilling in this case is OK)

MUTATING DATA ON THE CLIENT

- RPC from the client
- This will change
 - Next is working on a RFC on this at the moment
 - We will go with what their suggestion is
- Watch this space

READ THE DOCS!

Next 13 Server And Client Components

