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not-found.js

The **not-found** file is used to render UI when the `notFound` function is thrown within a route segment. Along with serving a custom UI, Next.js will return a `200` HTTP status code for streamed responses, and `404` for non-streamed responses.

TS app/not-found.tsx   TypeScript ⌄   ⧉

```tsx
1   import Link from 'next/link'
2
3   export default function NotFound() {
4     return (
5       <div>
6         <h2>Not Found</h2>
7         <p>Could not find requested resource</p>
8         <Link href="/">Return Home</Link>
9       </div>
10    )
11  }
```

Good to know: In addition to catching expected `notFound()` errors, the root `app/not-found.js` file also handles any unmatched URLs for your whole application. This means users that visit a URL that is not handled by your app will be shown the UI exported by the `app/not-found.js` file.

Props

`not-found.js` components do not accept any props.

Data Fetching

By default, `not-found` is a Server Component. You can mark it as `async` to fetch and display data:

```
TS  app/not-found.tsx                                    TypeScript ⌄    ⧉

 1   import Link from 'next/link'
 2   import { headers } from 'next/headers'
 3
 4   export default async function NotFound() {
 5     const headersList = headers()
 6     const domain = headersList.get('host')
 7     const data = await getSiteData(domain)
 8     return (
 9       <div>
10         <h2>Not Found: {data.name}</h2>
11         <p>Could not find requested resource</p>
12         <p>
13           View <Link href="/blog">all posts</Link>
14         </p>
15       </div>
16     )
17   }
```

If you need to use Client Component hooks like `usePathname` to display content based on the path, you must fetch data on the client-side instead.

Version History

Version	Changes
`v13.3.0`	Root `app/not-found` handles global unmatched URLs.
`v13.0.0`	`not-found` introduced.

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