

What Is Lazy Loading?

Lazy loading means **loading components or resources only when they are needed**, instead of loading everything at once when the app starts.

By default, React bundles your entire app into a single JavaScript file.

That means users download **all** components — even the ones they might never visit (like an admin page).

With lazy loading, you split your code into **smaller chunks** (code-splitting) and load them **on demand**.

React will not throw an *error* if you don't use **PascalCase**, but it **won't work as expected** either.

Specifically:

- React will **treat lowercase component names** as **built-in HTML tags**, not custom components.
- That means **your component won't render** — or it'll render nothing (an empty DOM node).