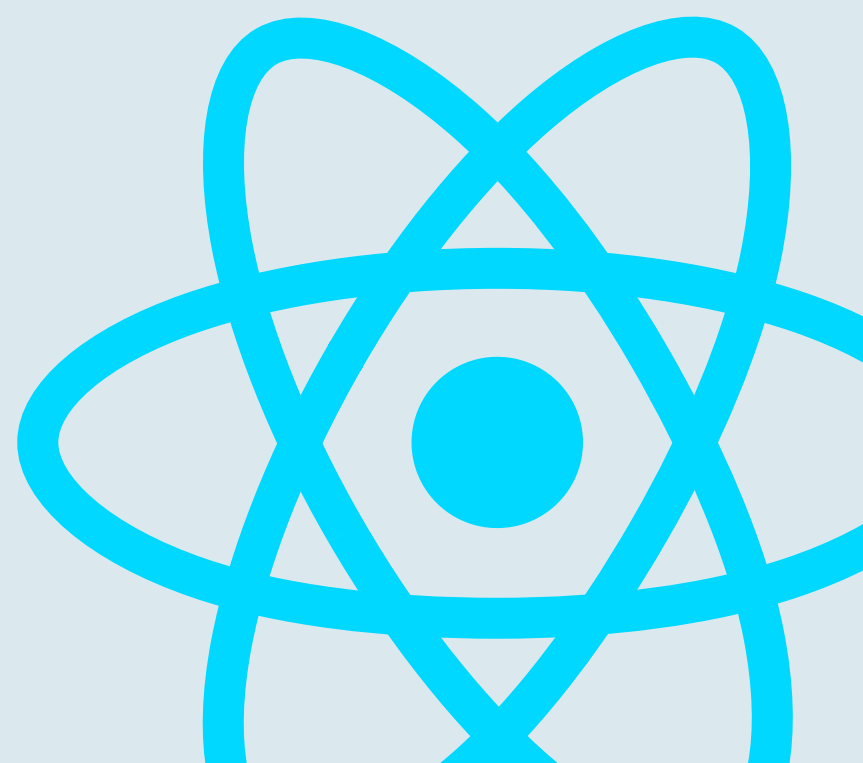# Why do **React components** need to start with **capital letters?**

❌

<component />

✅

<Component />

If you've ever worked with **React**, you might have noticed that **component names** always start with **capital letters.**

But why ????

```
//This is wrong and will not work ❌
export function myComponent() {
  return (
        <h1>Hello, World!</h1>
    );
}
```

```
//Right way to write a React component ✅
export function MyComponent() {
  return (
        <h1>Hello, World!</h1>
    );
}
```

In JSX, React components are written in a syntax that gets transformed into plain JavaScript using the

React.createElement API

Thanks to babel!

When Babel encounters a name starting with a

Capital Letter

it knows it's dealing with a **React component** and converts it into a

React Fiber object

(a key part of React's rendering system).

On the other hand, if the name starts with a

lowercase letter

Babel treat is as a
String, rather than a component

This helps React differentiate between **native HTML elements** and **custom components!**

Learned something new ?

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