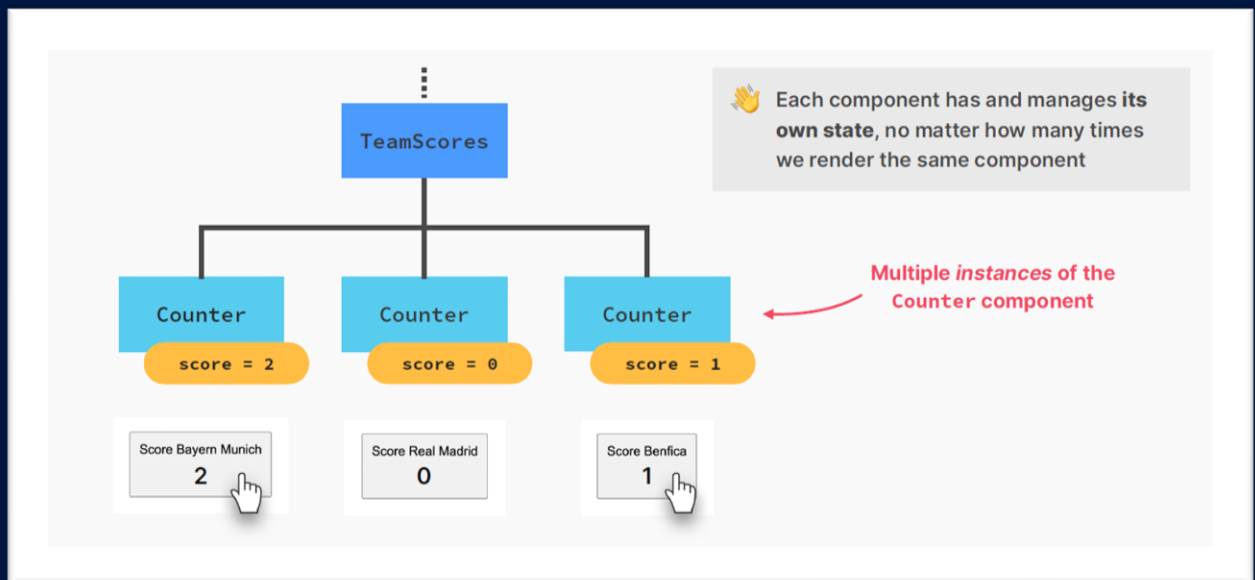




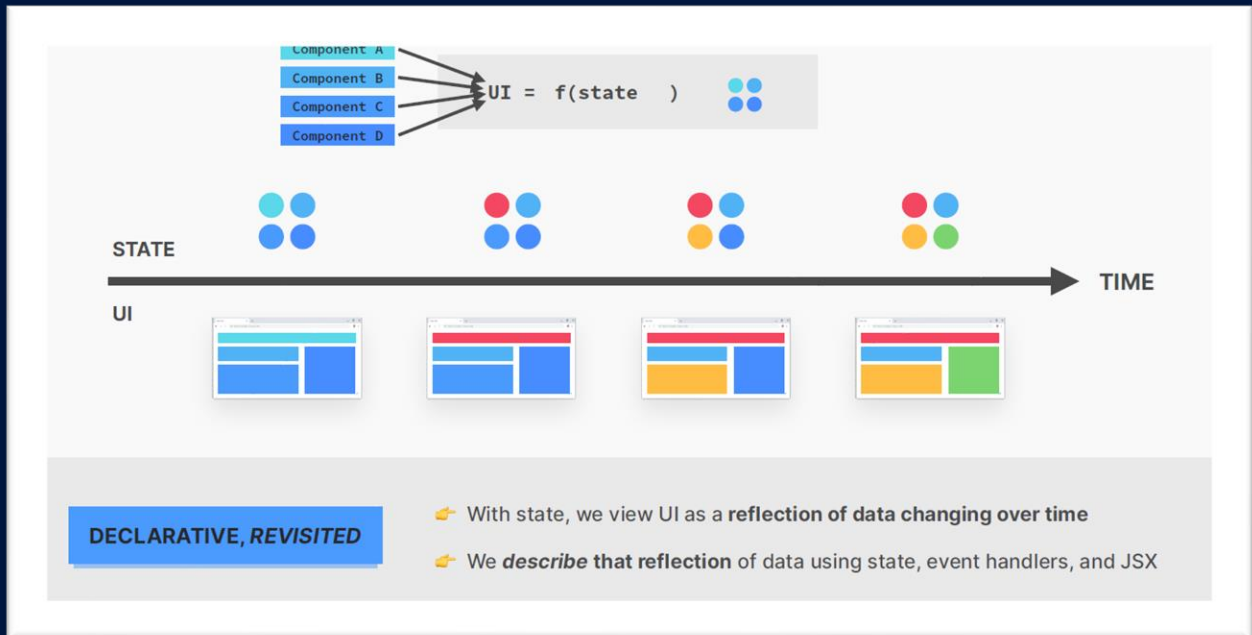
# STATE GUIDELINES IN REACT

## ONE COMPONENT ONE STATE





# UI AS A FUNCTION OF STATE



## PRACTICAL GUIDELINES ABOUT STATE

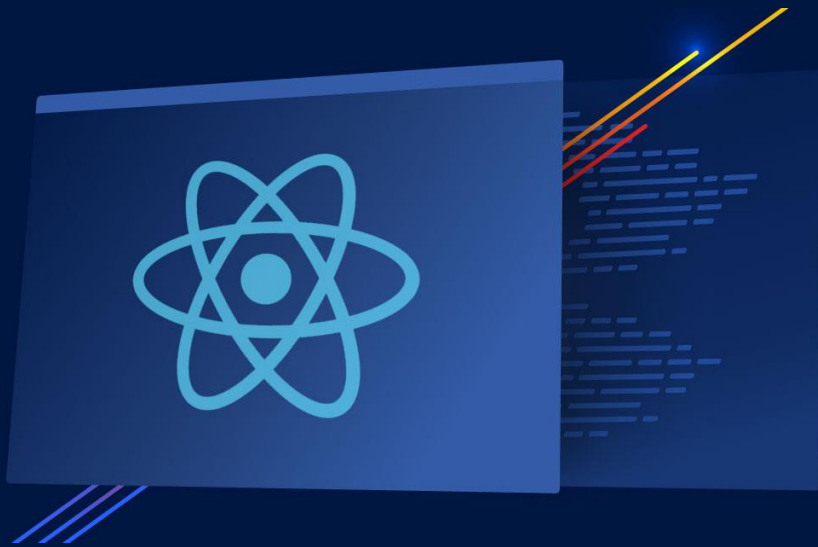
- Use a state variable for any data that the component should keep track of ("remember") over time. **This is data that will change at some point.** In Vanilla JS, that's a `let` variable, or an `[]` or `{}`
- Whenever you want something in the component to be **dynamic**, create a piece of state related to that "thing", and update the state when the "thing" should change (aka "be dynamic")
  - Example:** A modal window can be open or closed. So we create a state variable `isOpen` that tracks whether the modal is open or not. On `isOpen = true` we display the window, on `isOpen = false` we hide it.
- If you want to change the way a component looks, or the data it displays, **update its state**. This usually happens in an **event handler** function.
- When building a component, imagine its view as a **reflection of state changing over time**
- For data that should not trigger component re-renders, **don't use state**. Use a regular variable instead. This is a common **beginner mistake**.





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