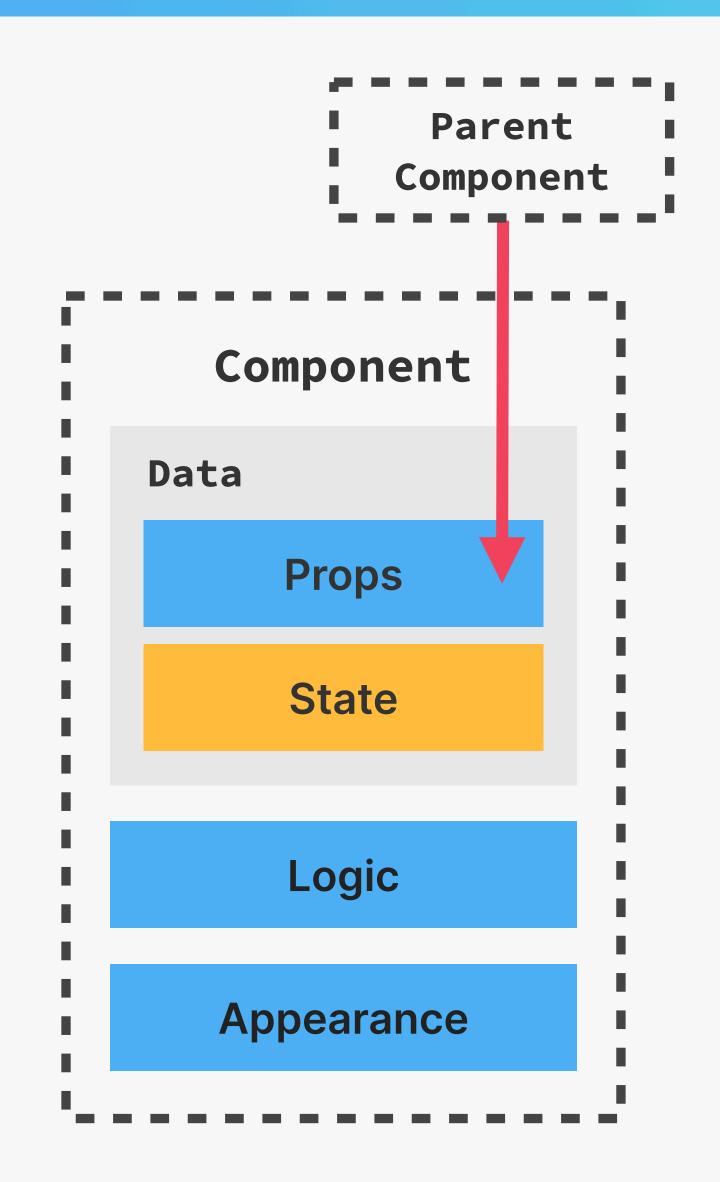
#### STATE

- Data that a component can hold over time, necessary for information that it needs to remember throughout the app's lifecycle
- "Component's memory"



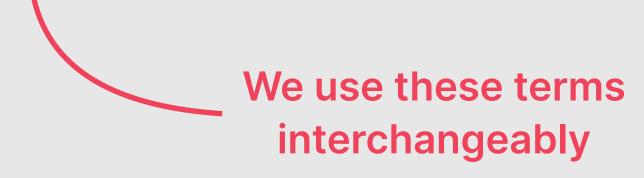


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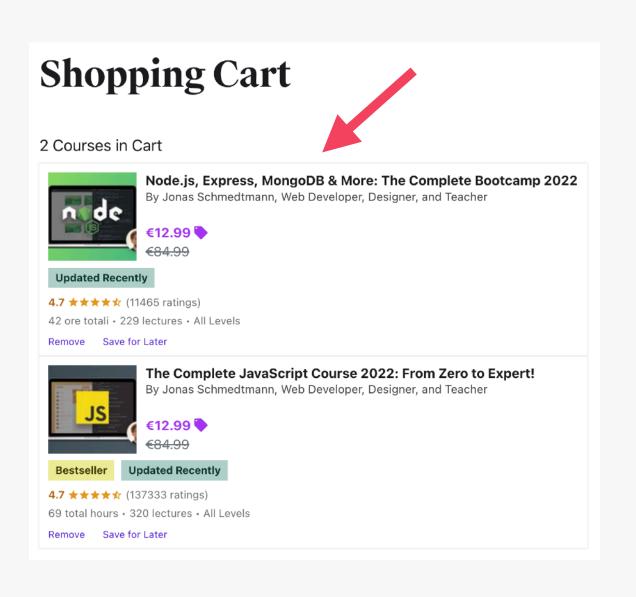


"State variable" / "piece of state": A single variable in a component (component state)







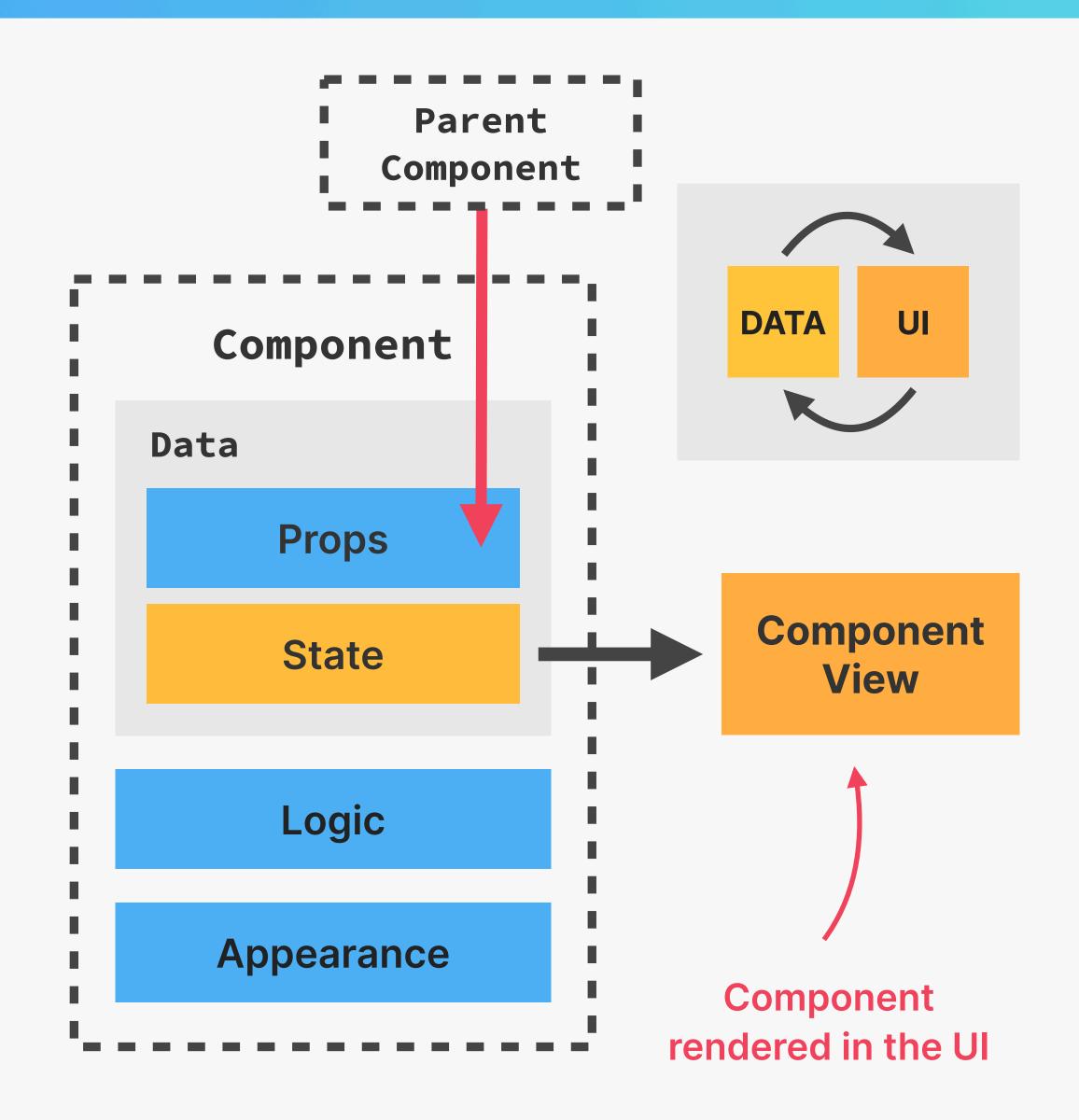


#### STATE

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- Component state: Single local component variable ("Piece of state", "state variable")
- Updating component state triggers React to re-render the component



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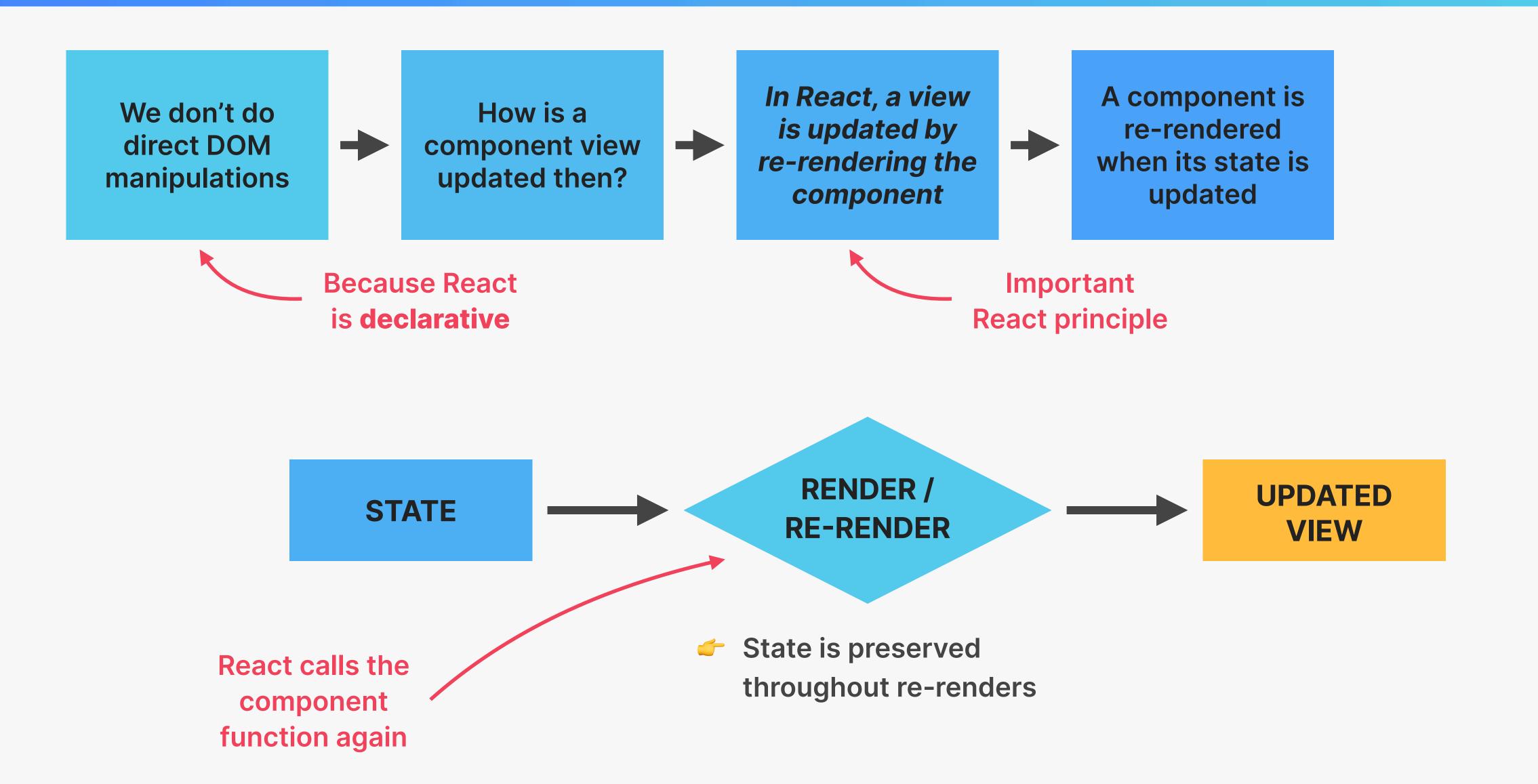


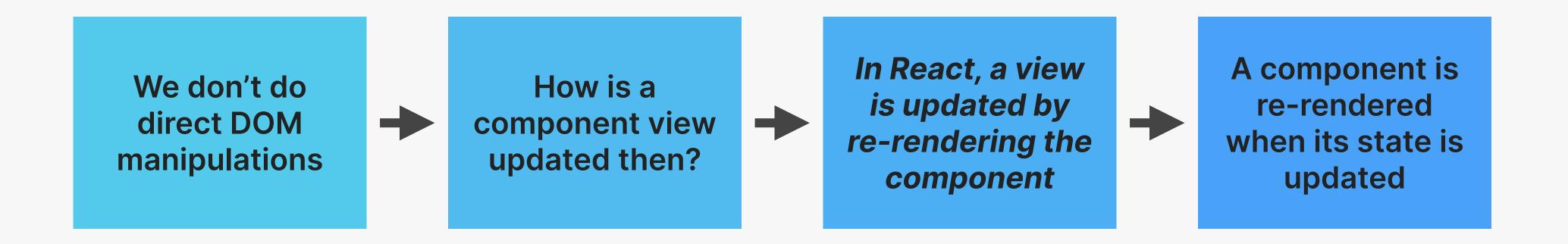
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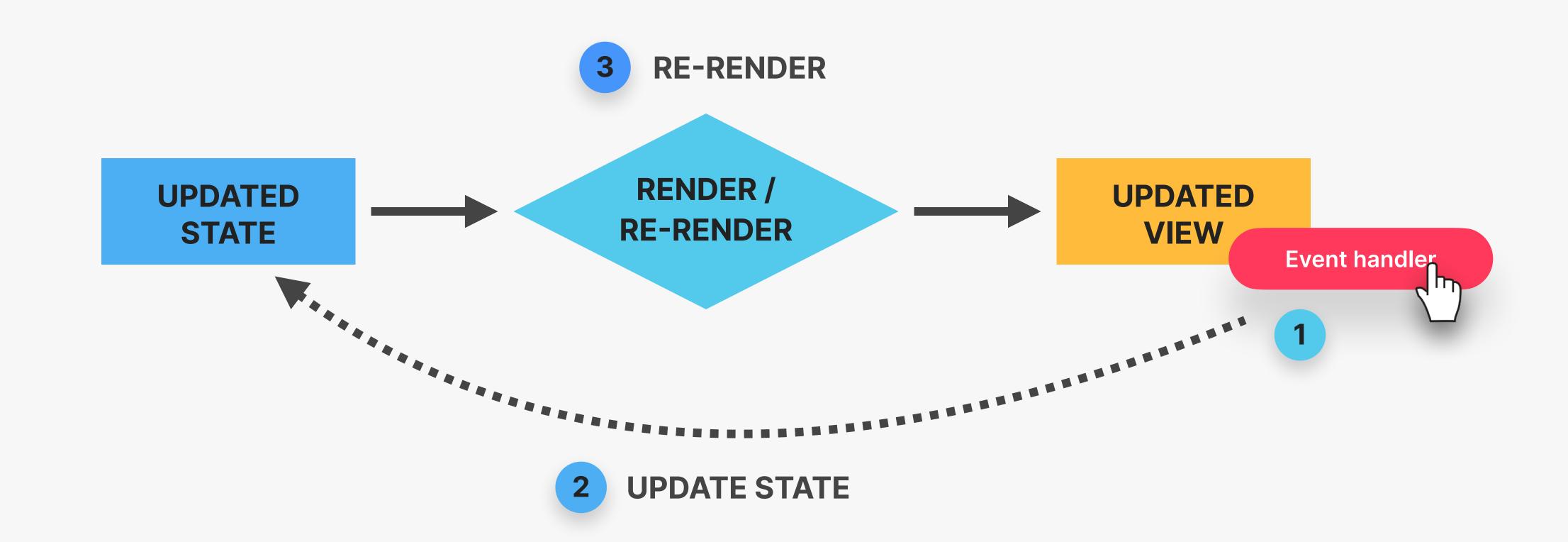
#### **STATE ALLOWS DEVELOPERS TO:**

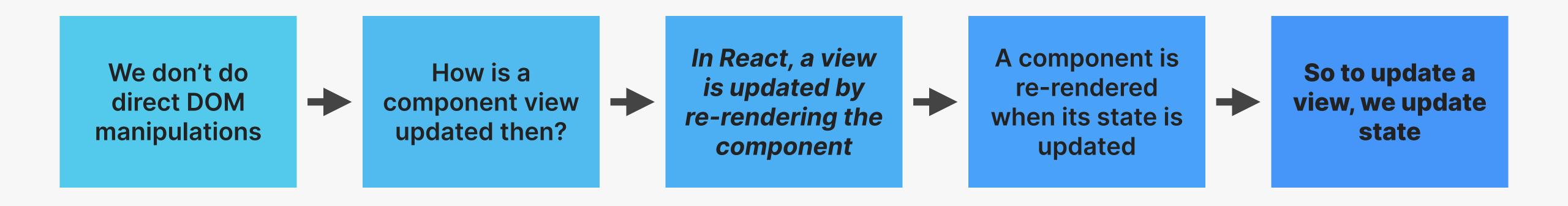
- Update the component's view (by re-rendering it)
- Persist local variables between renders

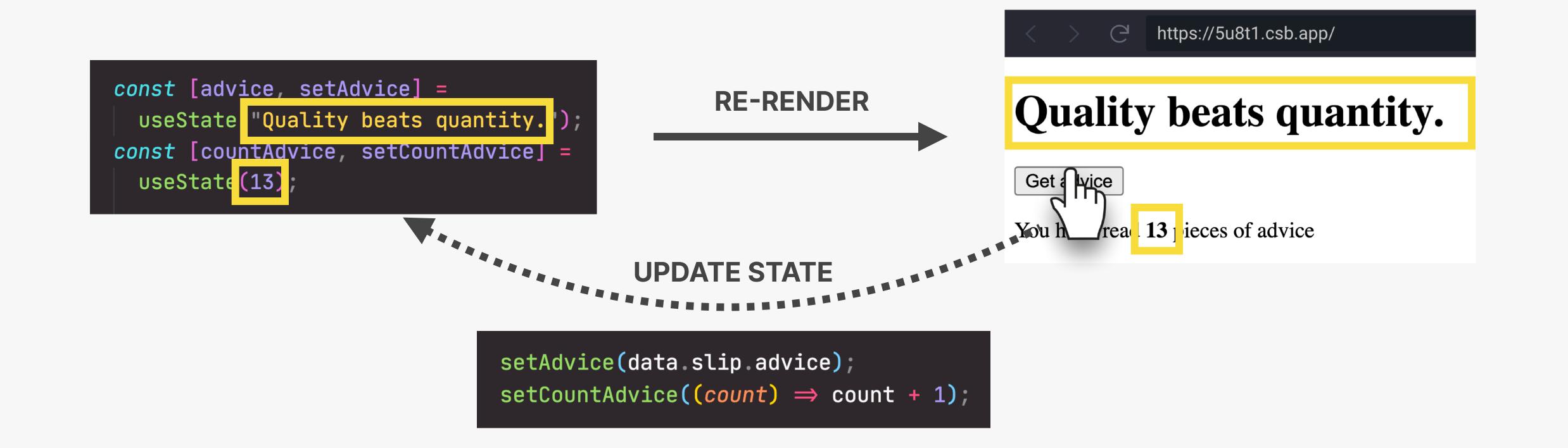
State is a **tool**. Mastering state will unlock the power of React development







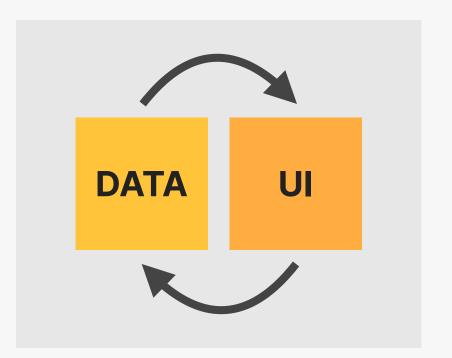




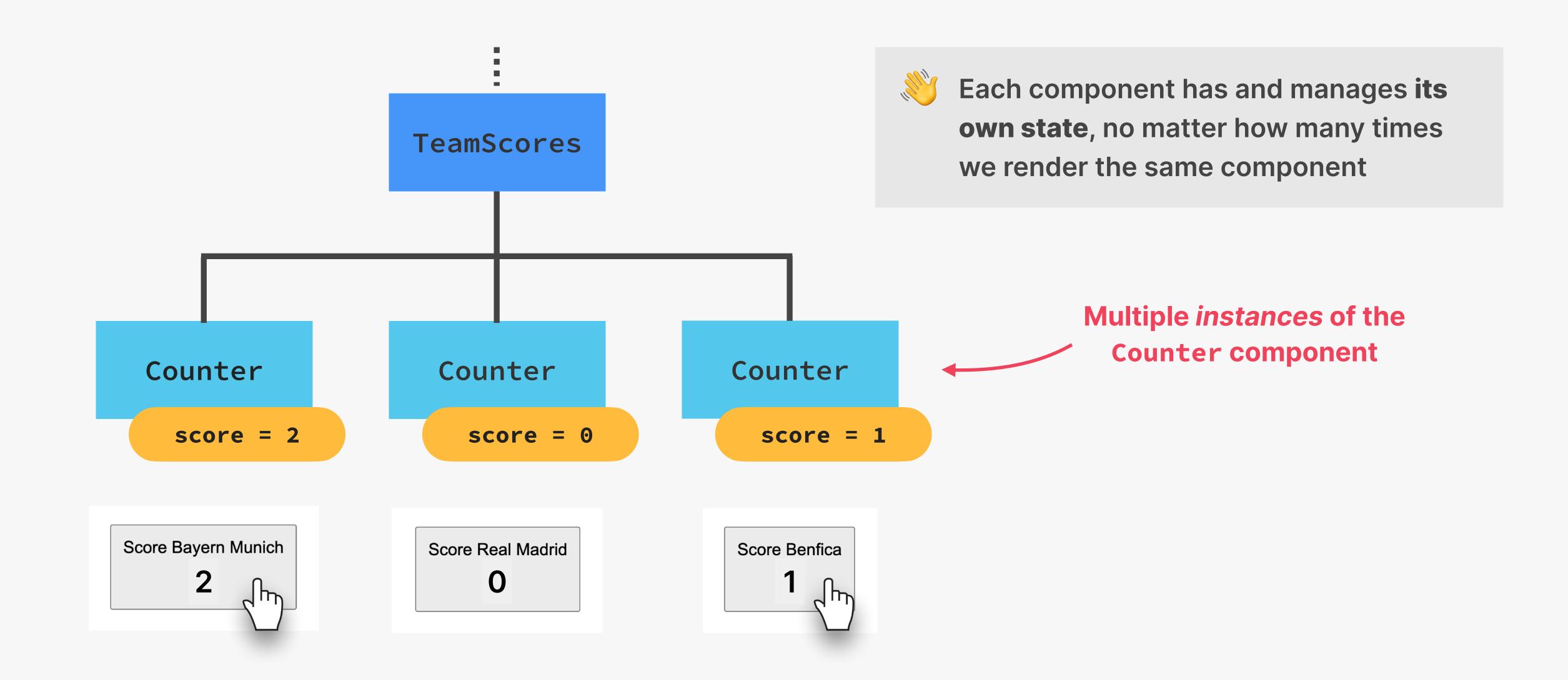


React is called "React" because...





# ONE COMPONENT, ONE STATE



#### STATE VS. PROPS

#### STATE

- Internal data, owned by component
- Component "memory"
- Can be updated by the component itself
- Updating state causes component to re-render
- Used to make components interactive

#### **PROPS**

- **External** data, owned by parent component
- Similar to function parameters
- Read-only
- Receiving new props causes component to re-render.
- Usually when the parent's state has been updated
- Used by parent to configure child component ("settings")