

Managing State with Context



Cory House

React Consultant and Trainer

@housecor | reactjsconsulting.com

Agenda



Why context?

Use context to share our cart

- Wrap provider in a custom component
- Share context via a custom hook





Do I need context?



Plain JS

React

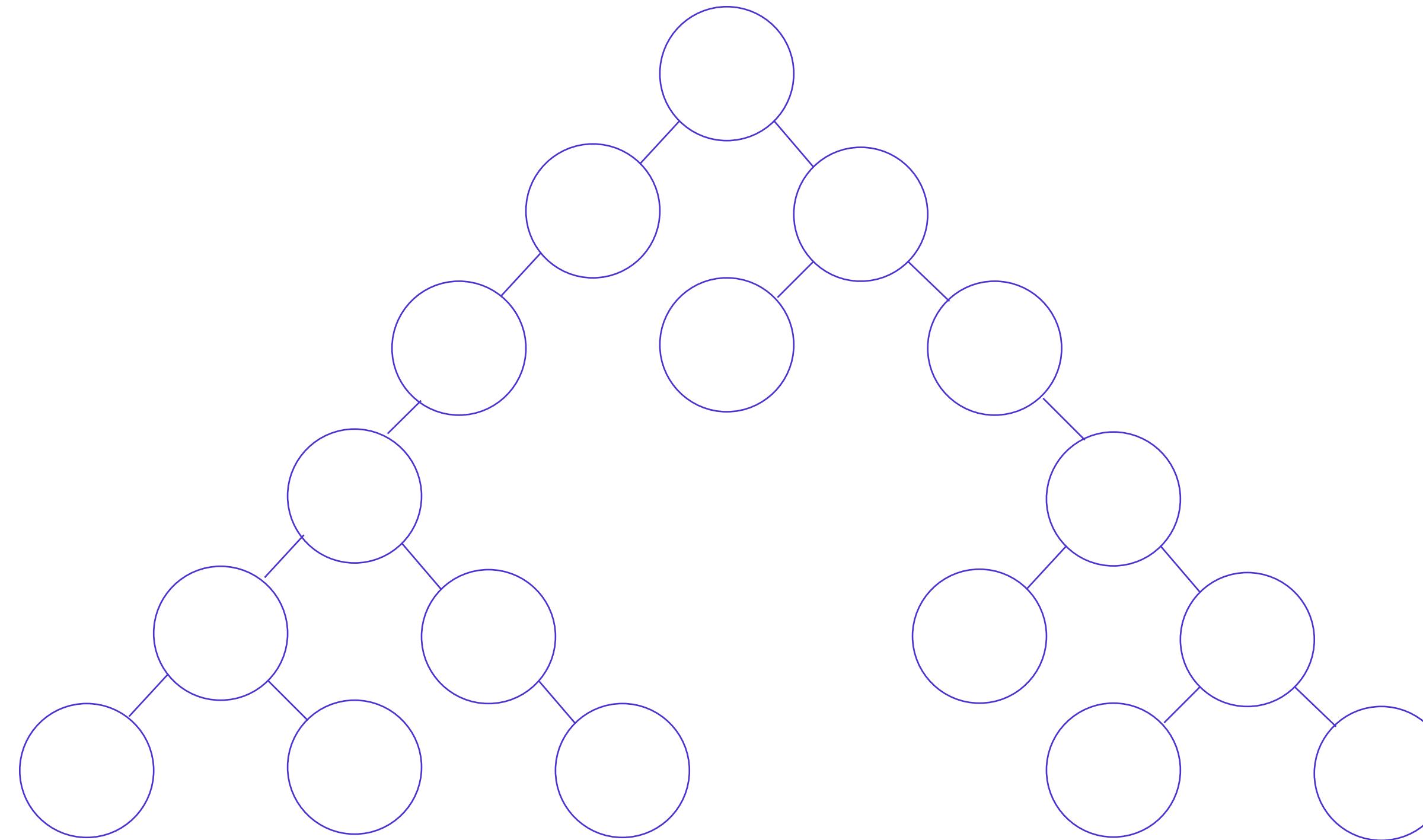
React Context

Redux

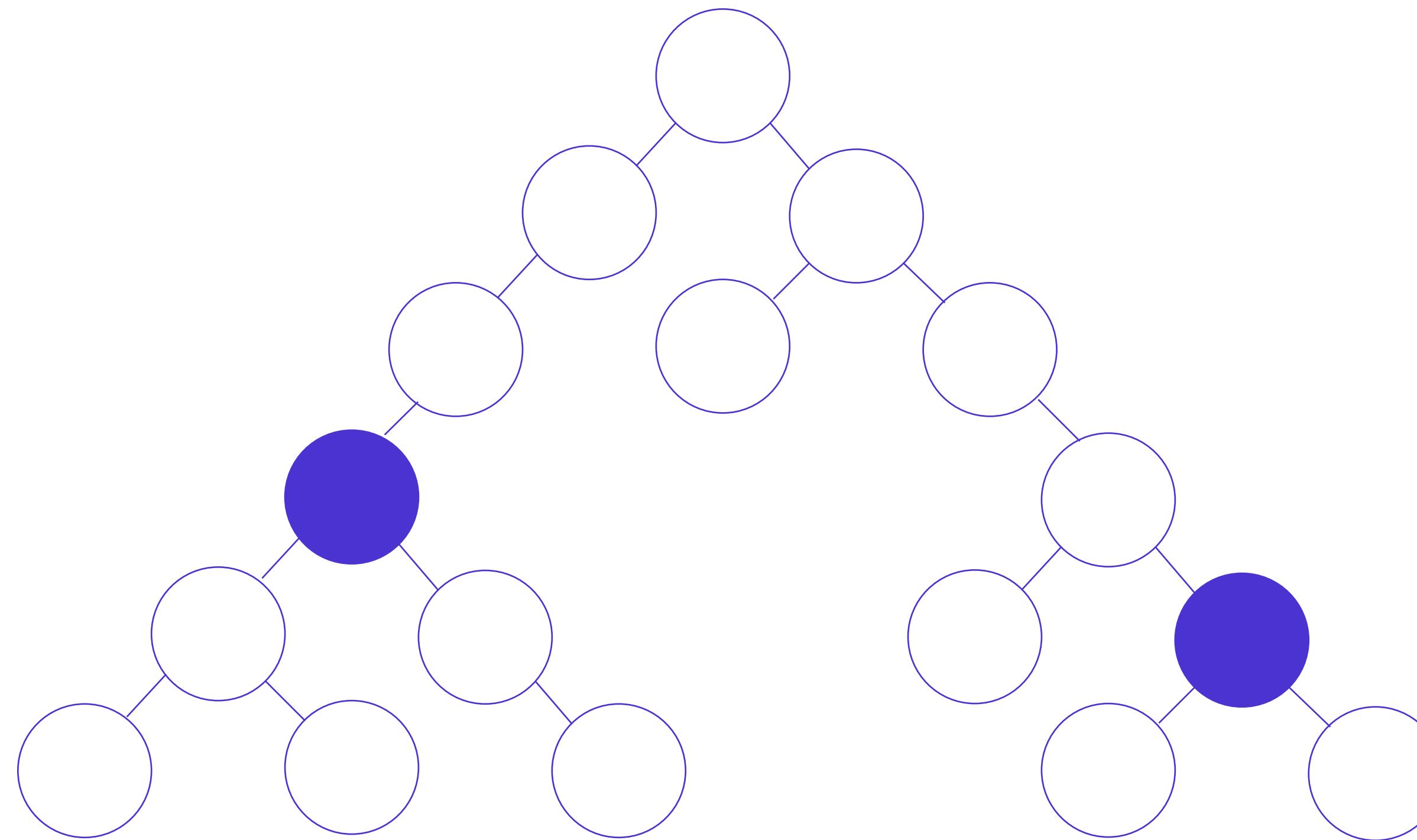
**Simple
No setup**

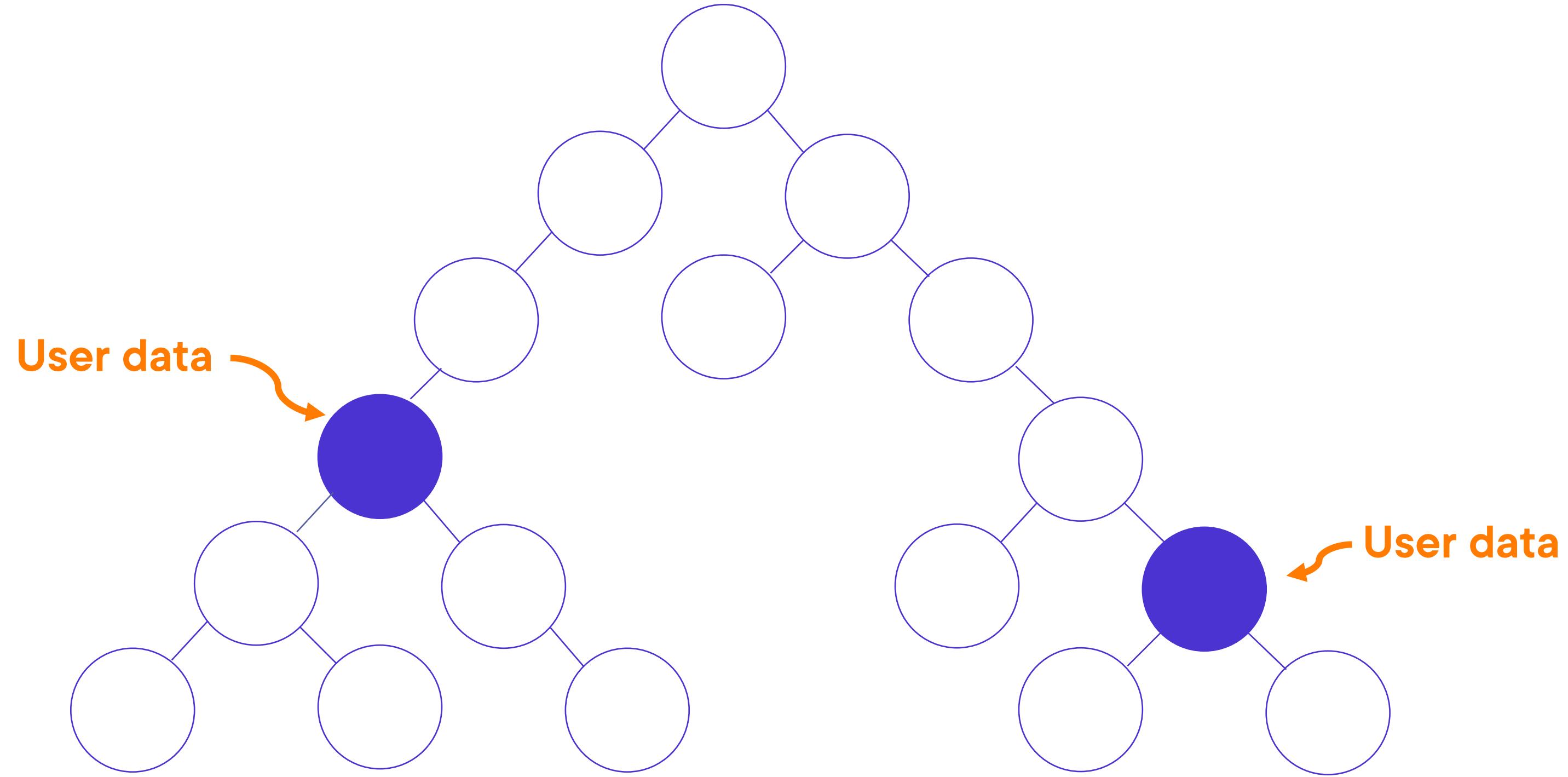
**Complex
Significant setup**





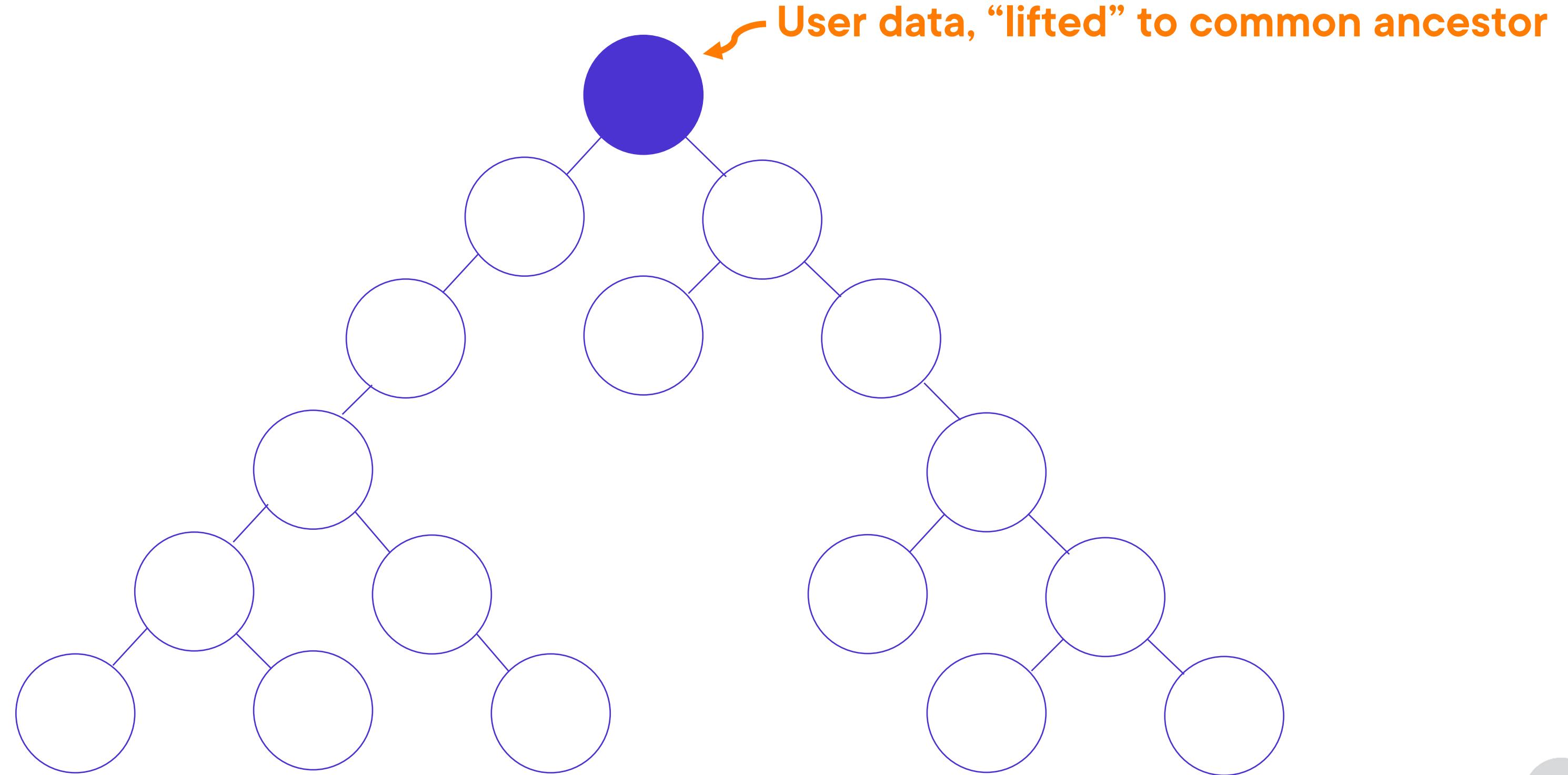
What if components in different parts of your app need the same data?





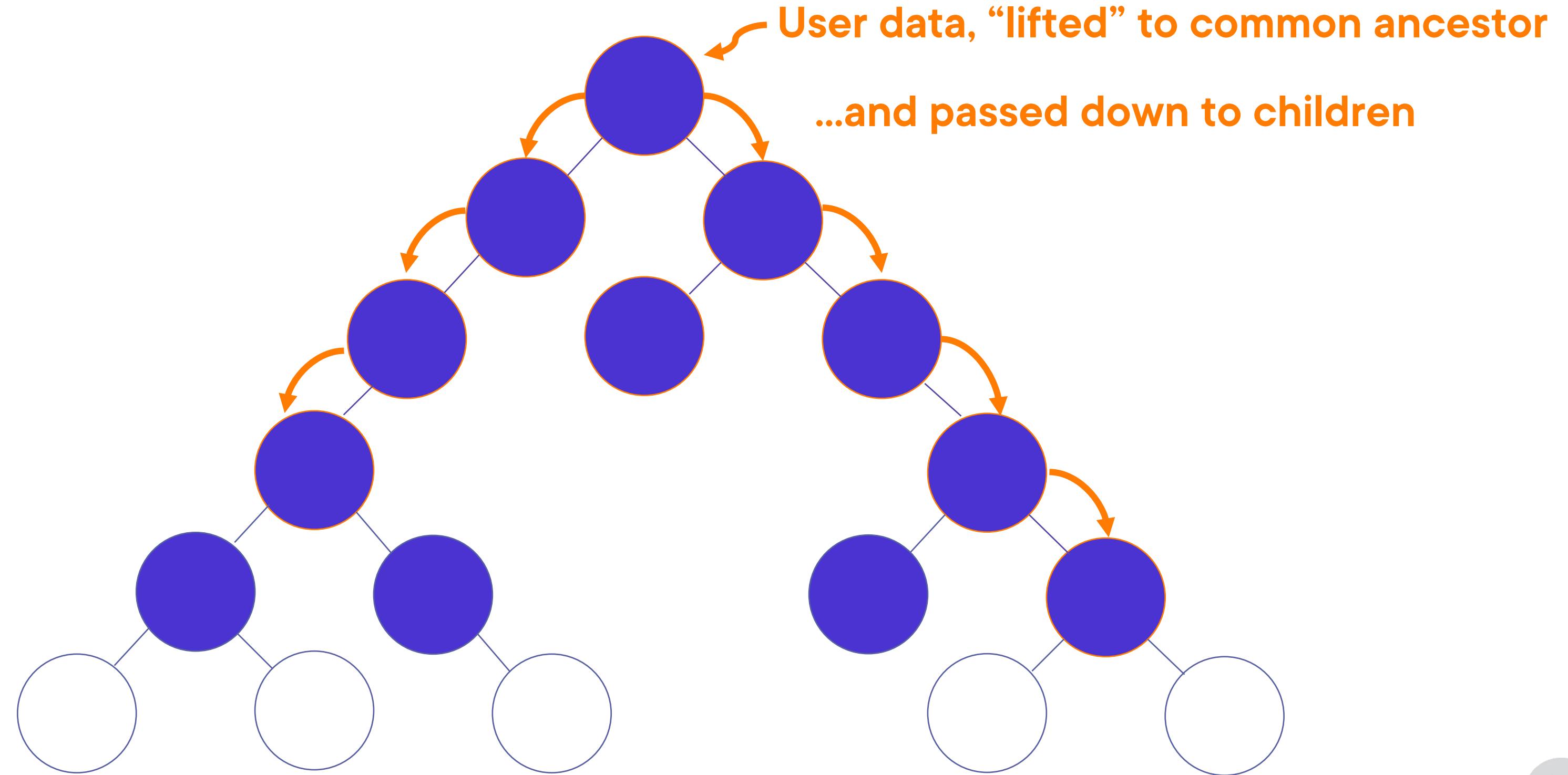
3 Solutions

1. Lift State



3 Solutions

1. Lift State



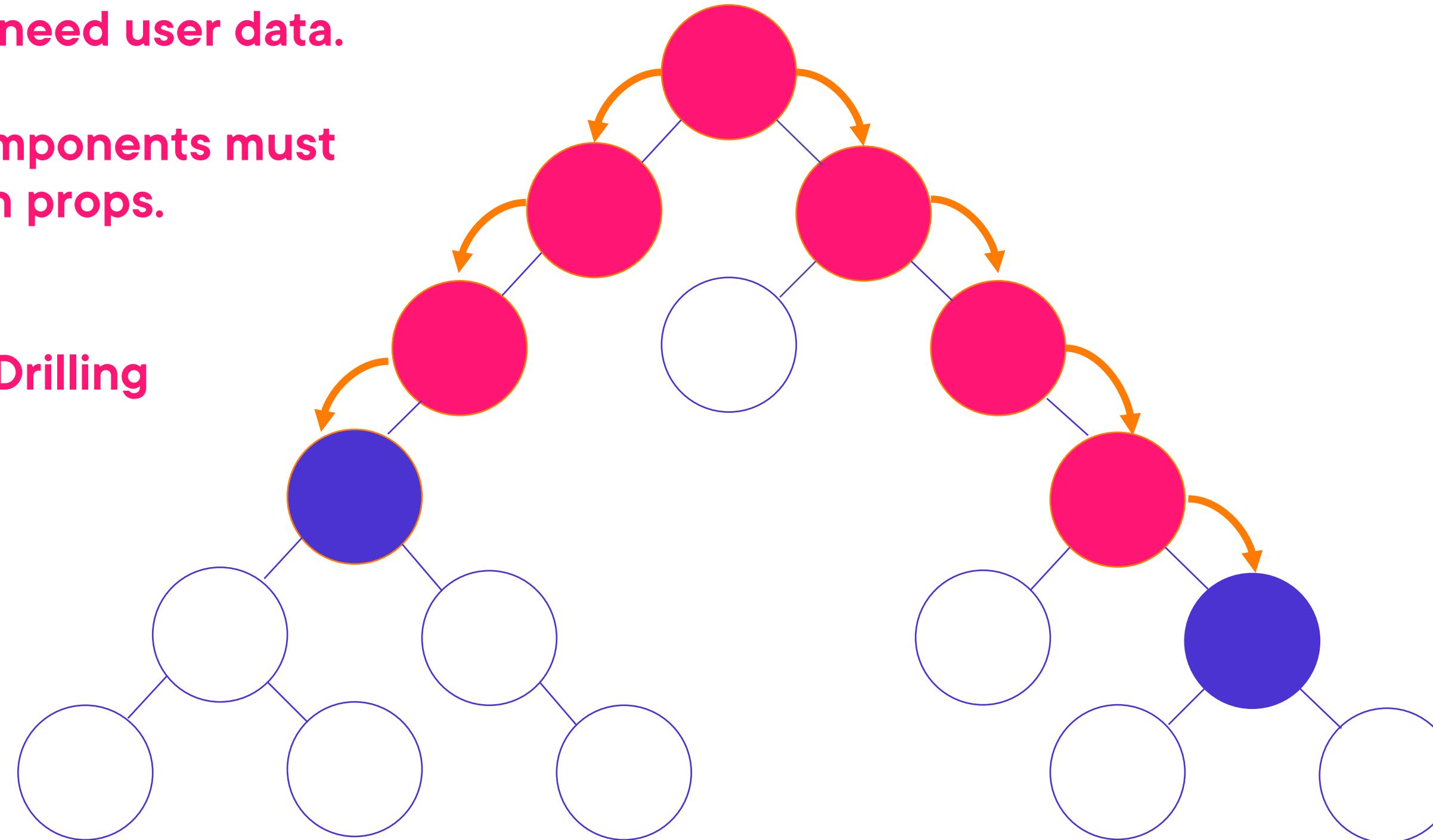
3 Solutions

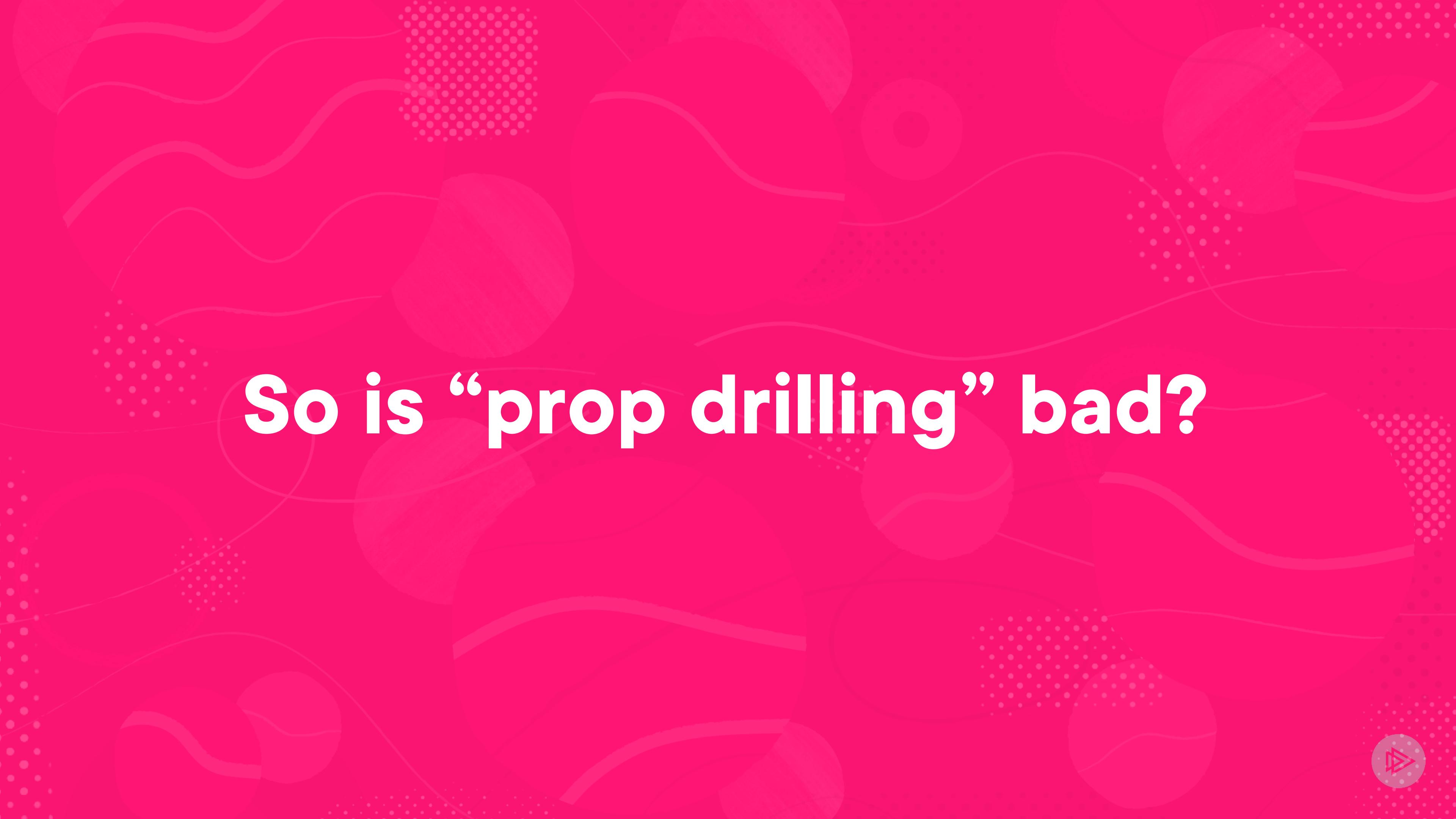
1. Lift State

2 components need user data.

But 6 other components must pass it down on props.

Problem: Prop Drilling



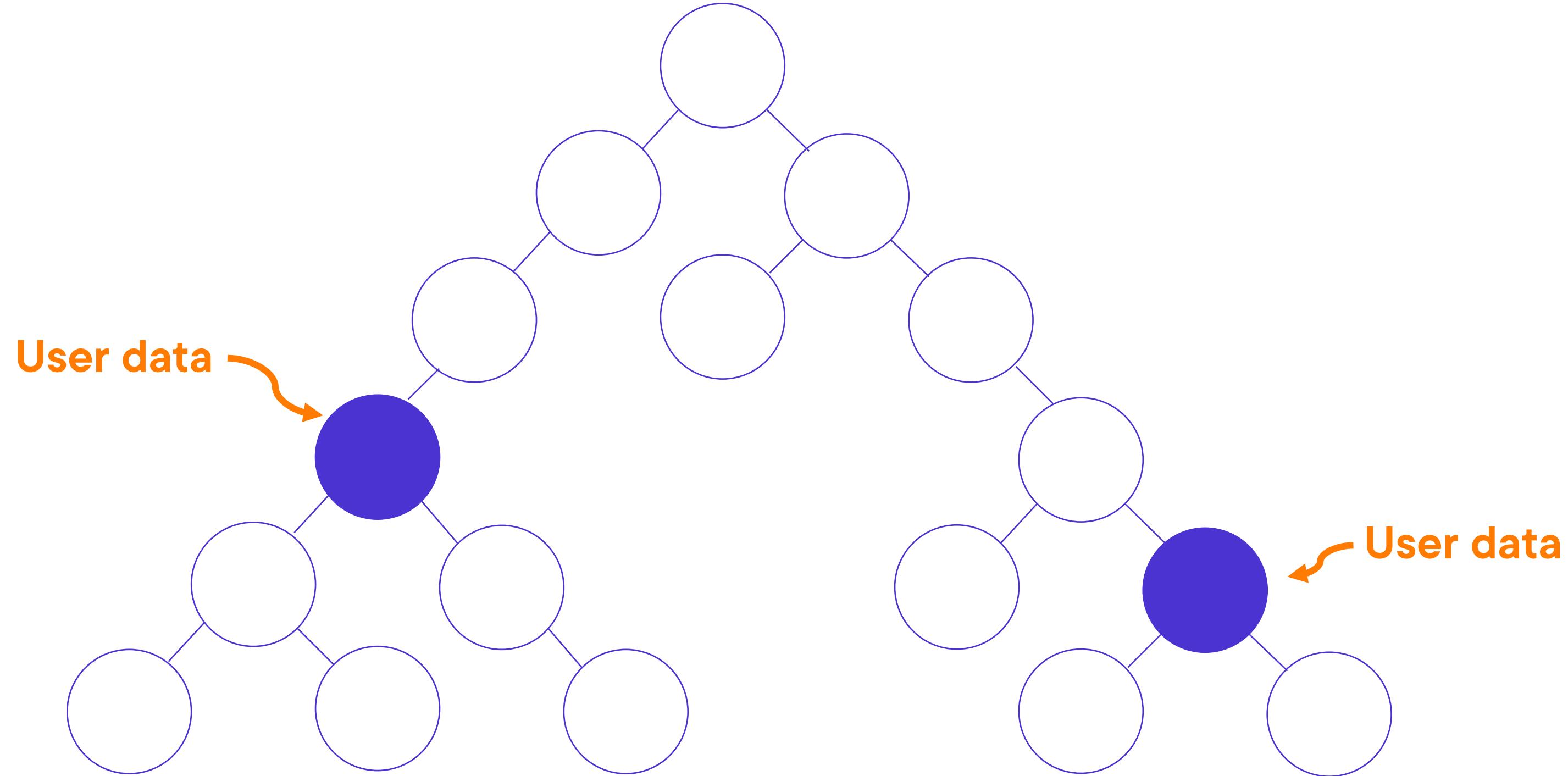


So is “prop drilling” bad?



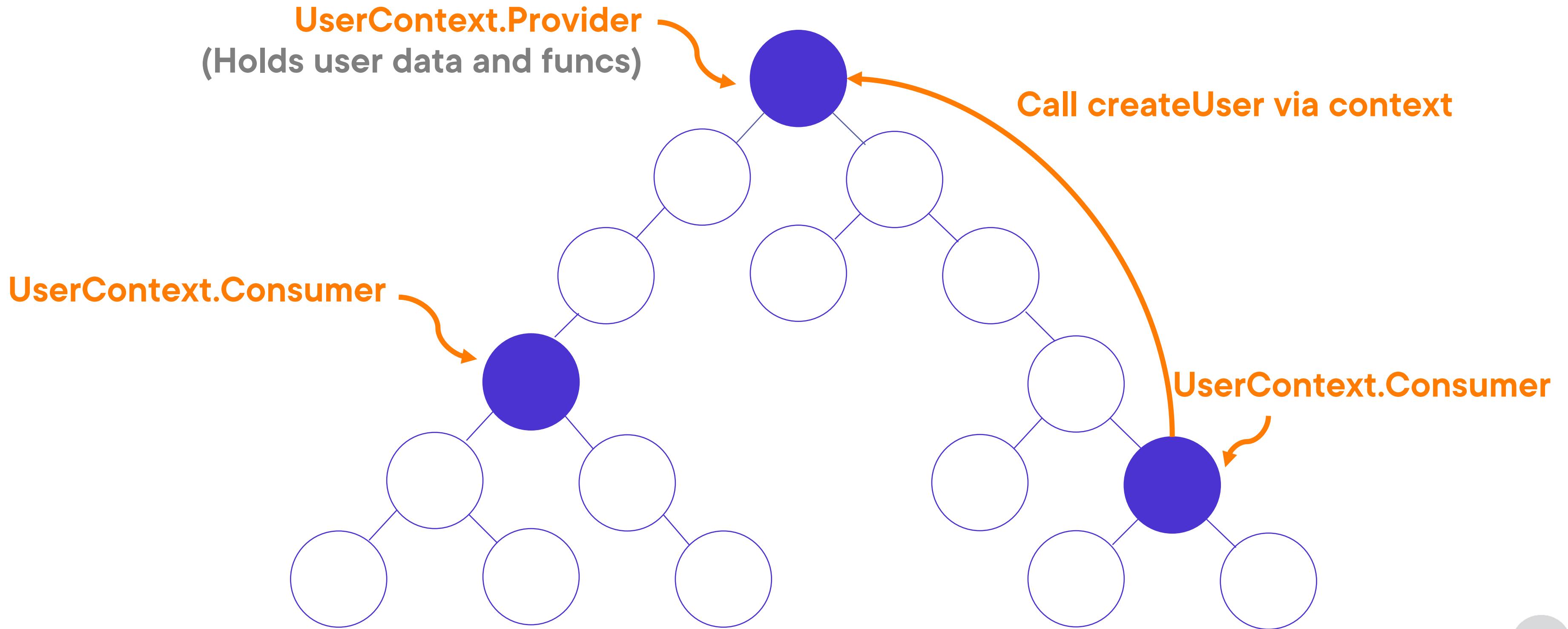
3 Solutions

1. Lift State
2. React context



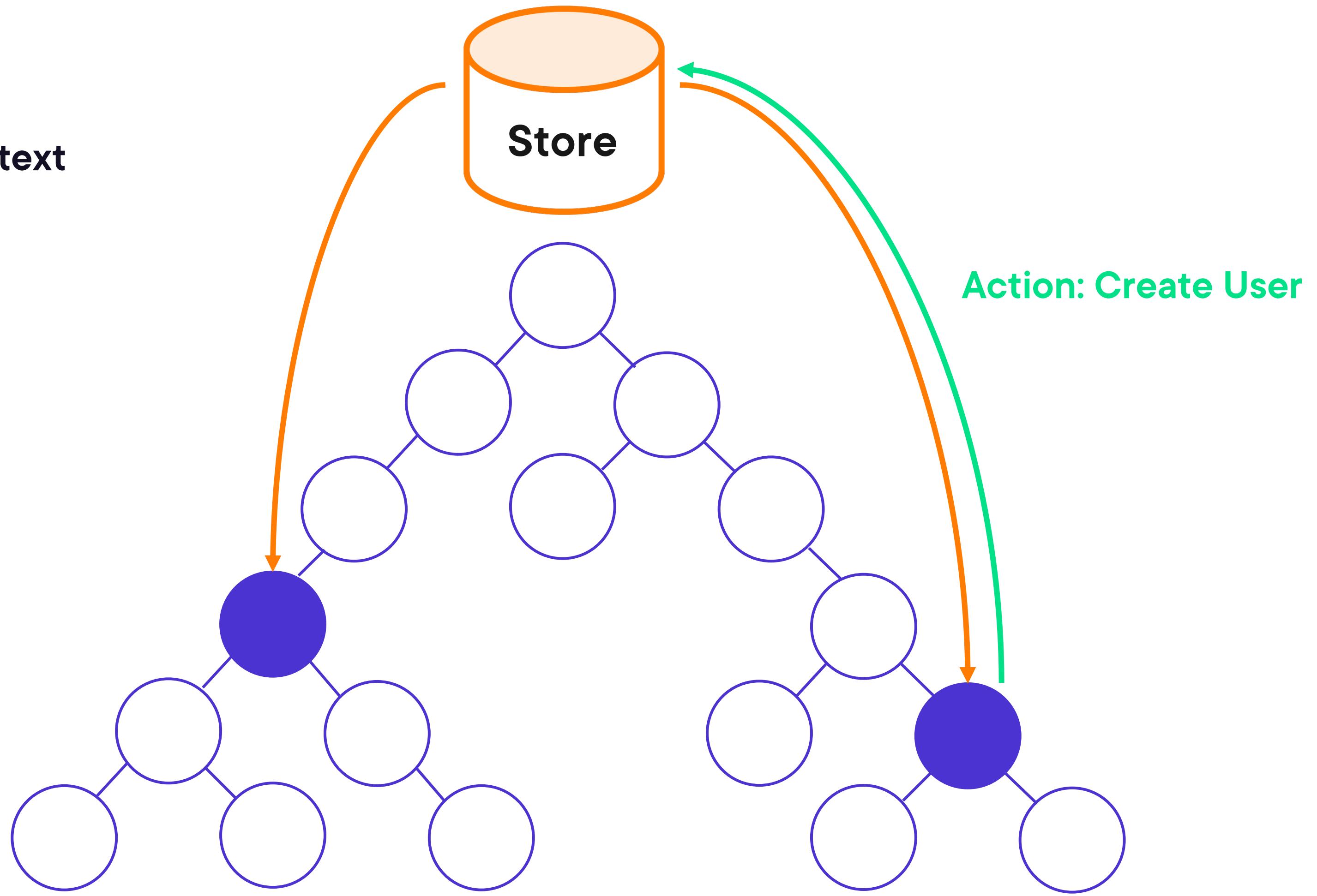
3 Solutions

1. Lift State
2. React context



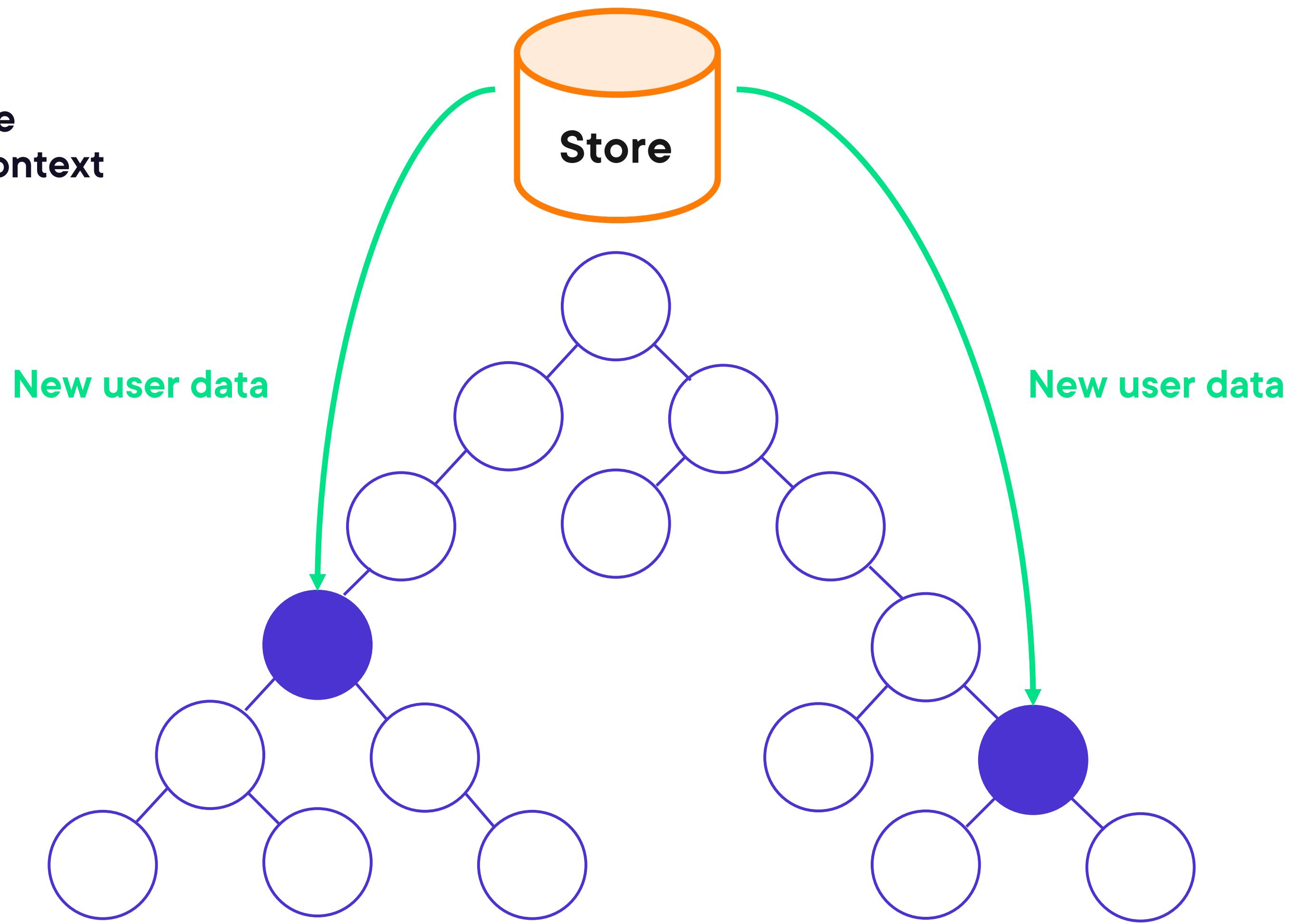
3 Solutions

1. Lift State
2. React context
3. Redux



3 Solutions

1. Lift State
2. React context
3. Redux



When are Context or Redux Helpful?



Global data and functions
Complex data flows
Inter-component communication
Many actions





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Course author



Cory House

Cory is an independent consultant with over 15 years of experience in software development. He is the principal consultant at reactjsconsulting.com and a Microsoft MVP.

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Level	Intermediate
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Rating	(2061)
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My rating	
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Duration	6h 39m
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Updated	18 Jul 2021
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My Take

- 1. Start with state in a single component**
- 2. Lift state as needed**
- 3. Try context or Redux when lifting state gets annoying**



Summary



Global data or functions?

- Consider context or Redux

Context: Two pieces:

- Provider: Provides data/funcs
- Consumer: Consumes data/funcs

Consider “wrapping” context

- Provider component
- useContext hook
- Require context provider



Up Next:

Managing State in Third Party Libraries

