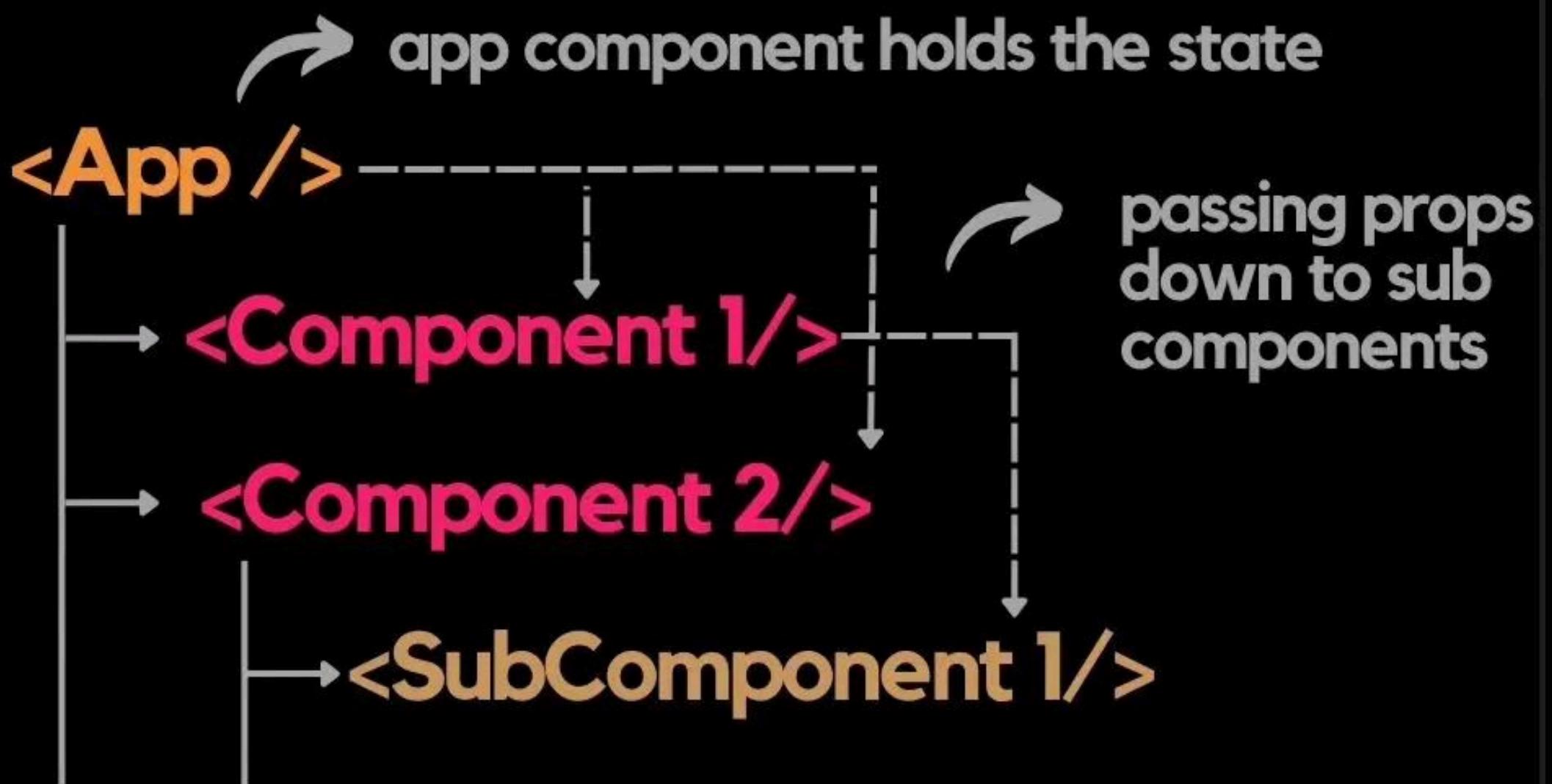


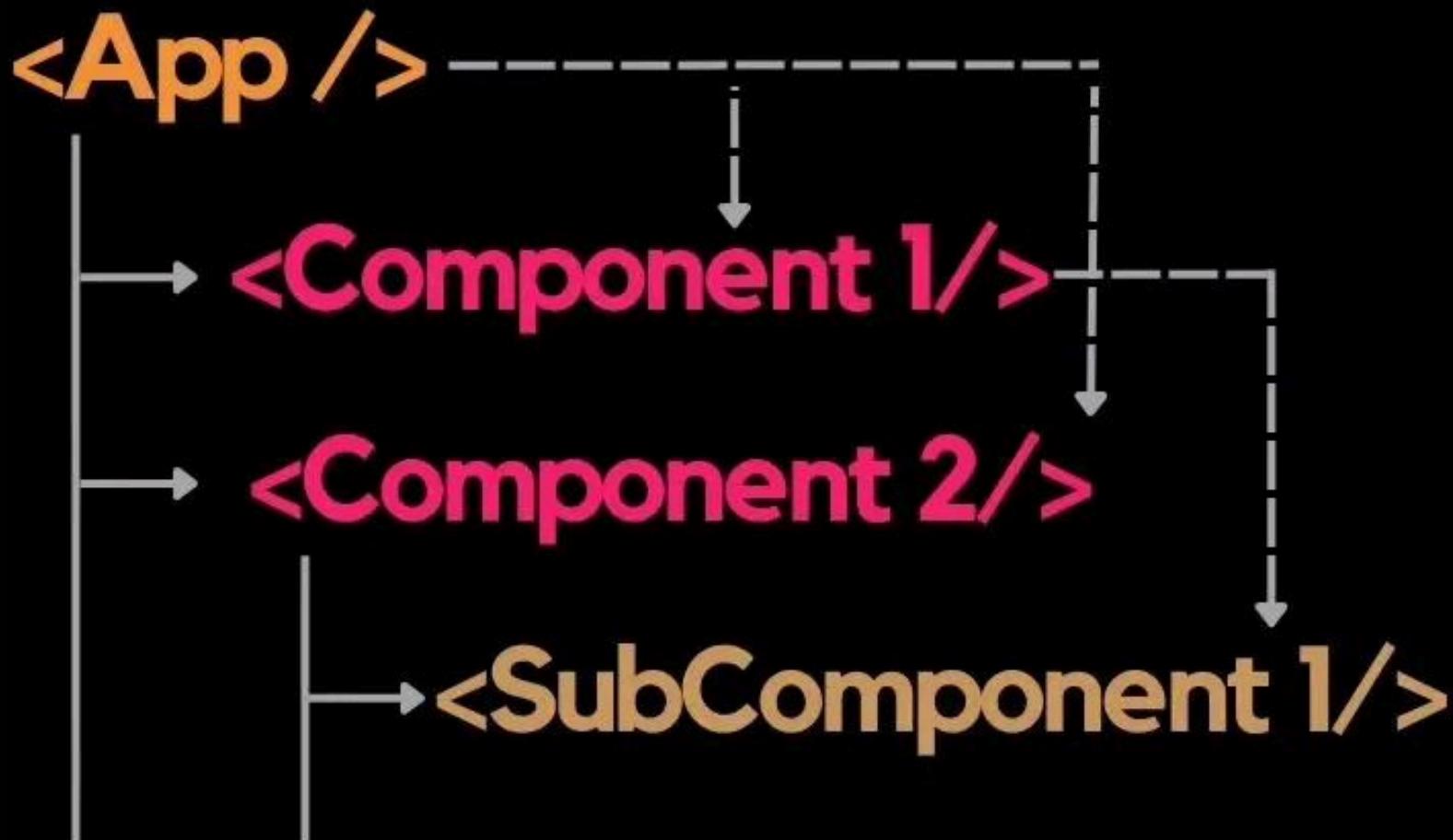
What is Redux?



you have a react app where component tree is like this :-



→ app component holds the state



- here the state is passed from Root Component to Sub Components
- because component needs the same state to use and render

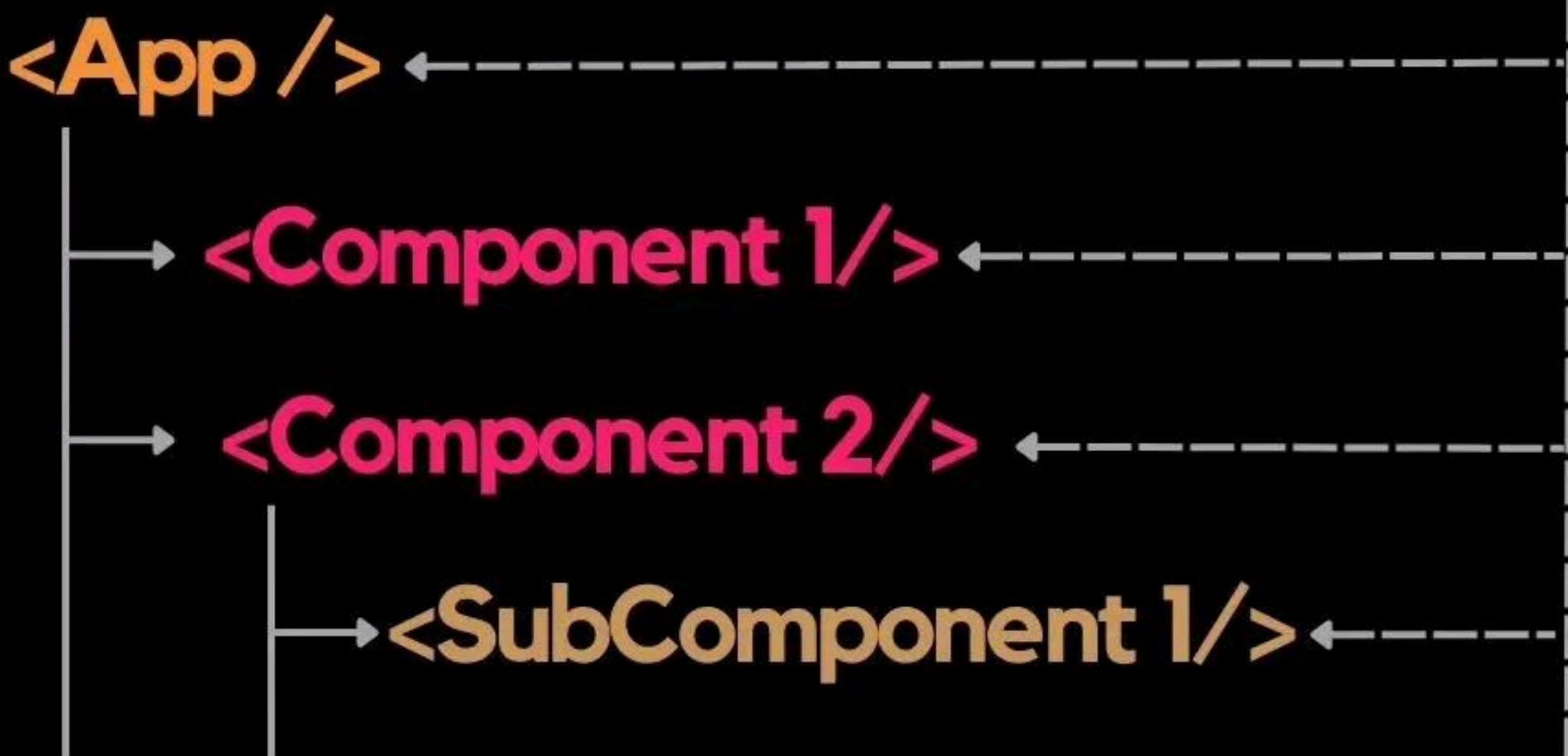


- **in this case and similar cases where mostly all Components are using same state we should use Redux rather than passing props (Prop Drilling)**



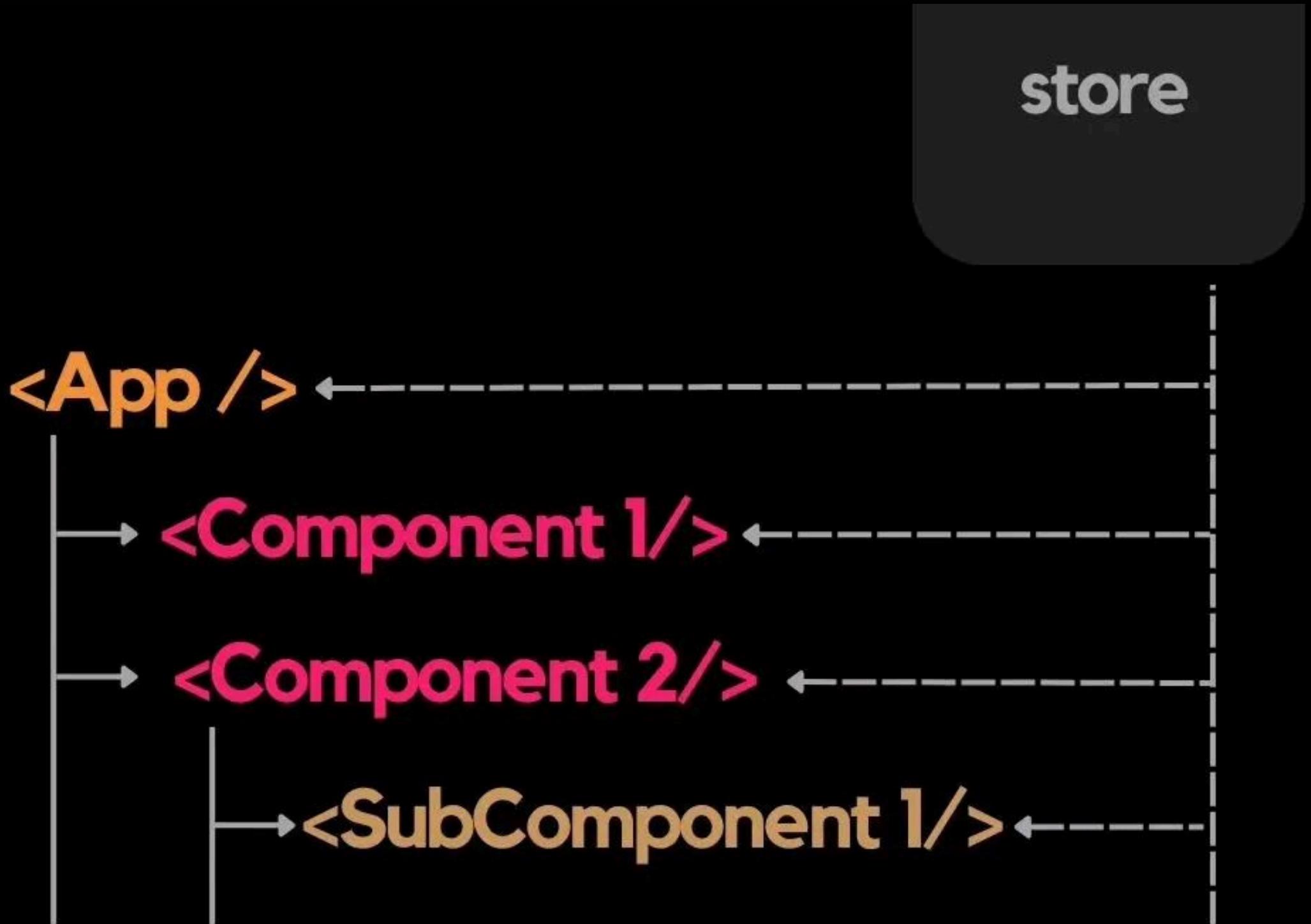
So, Redux is basically
a store where all state
are stored

store



now, every component can get and
update the state directly from store





- by this, all the components can work with the same data simultaneously without passing props from root to deeply nested components



- prop drilling (root to deeply nested) badly affects the performance of the app
- also, making changes to component hierarchy will introduce bugs
- so , is Prop Drilling is all bad ...

lets see



- prop drilling is fine if your app has few components (2 - 4)
- use Context API when your app has a long component hierarchy and simple and lightweight data to store
- context is same as Redux. Context comes with React by default not like Redux which needs to be installed
- use Redux when you have a large project with a large number of components using complex logics and multiple state
- use Redux for big projects





FOLLOW