Global App State With useContext and useReducer Like Redux

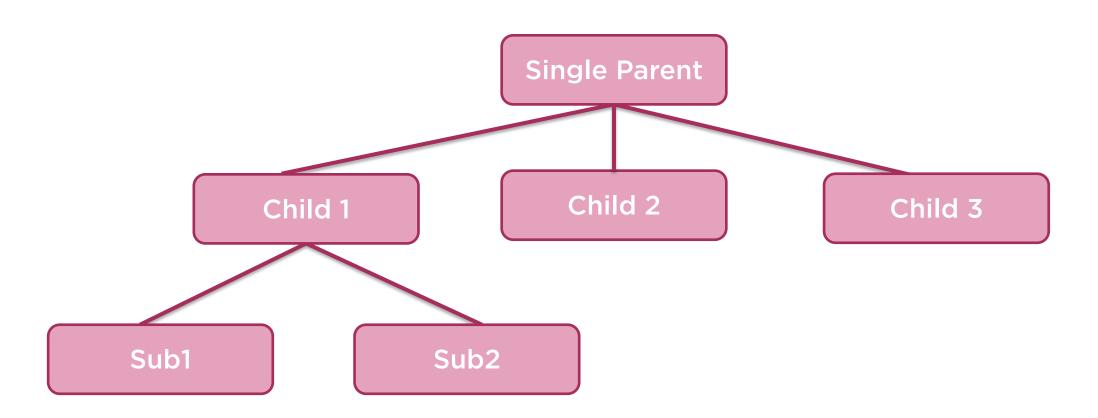


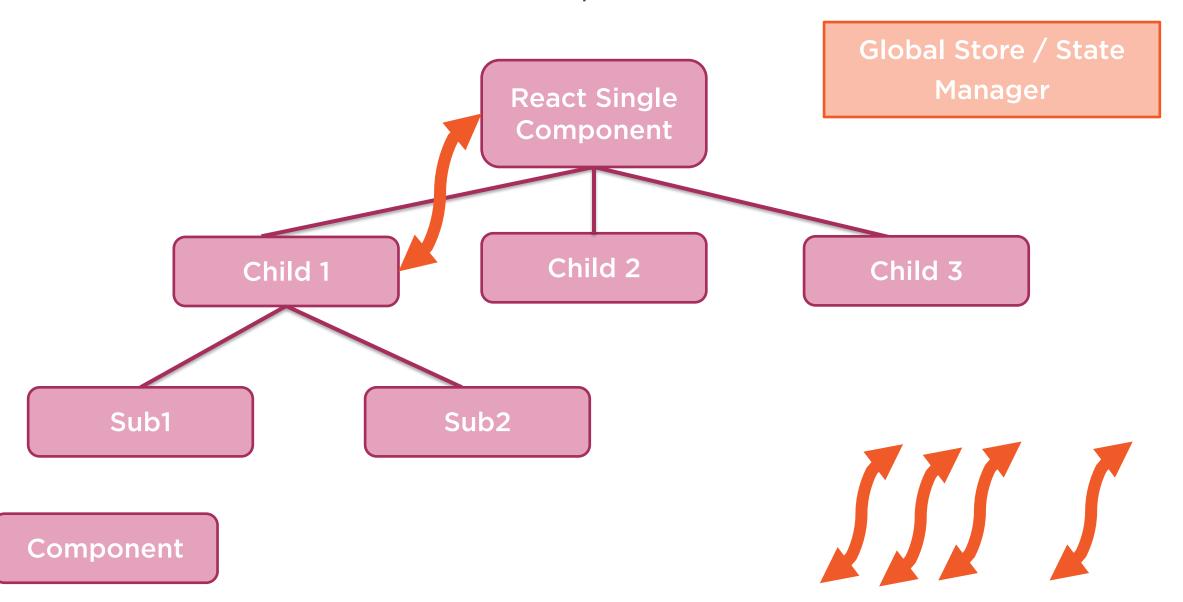
Peter Kellner

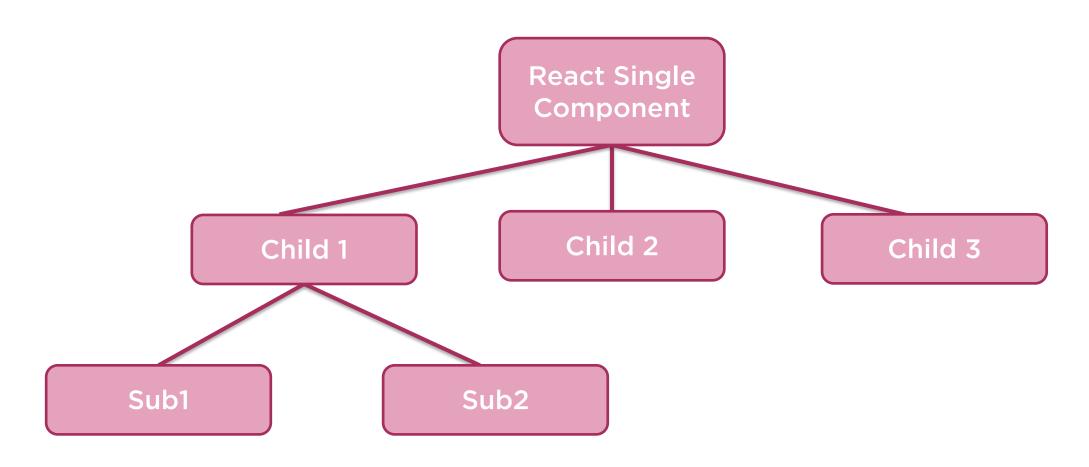
DEVELOPER, CONSULTANT AND AUTHOR

@pkellner linkedin.com/in/peterkellner99 ReactAtScale.com

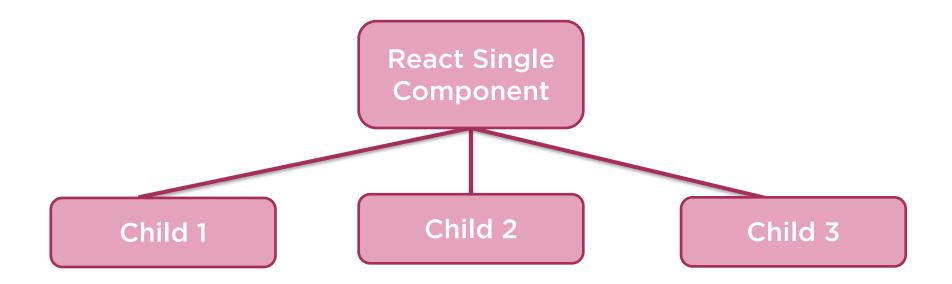
React apps are combined of many components working together

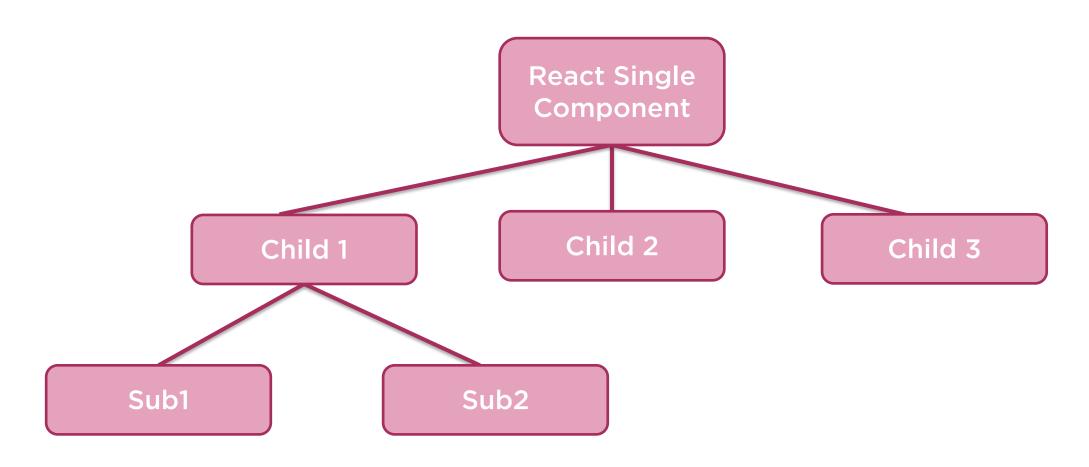


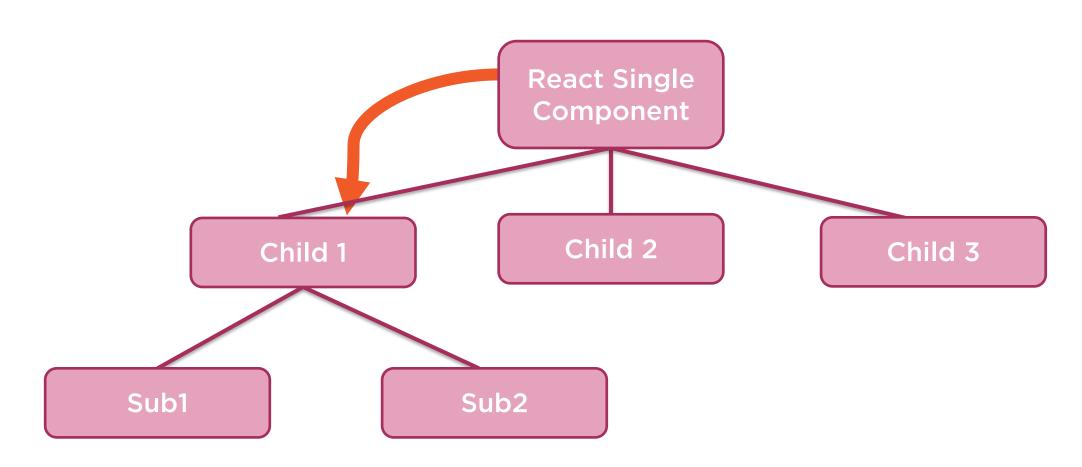


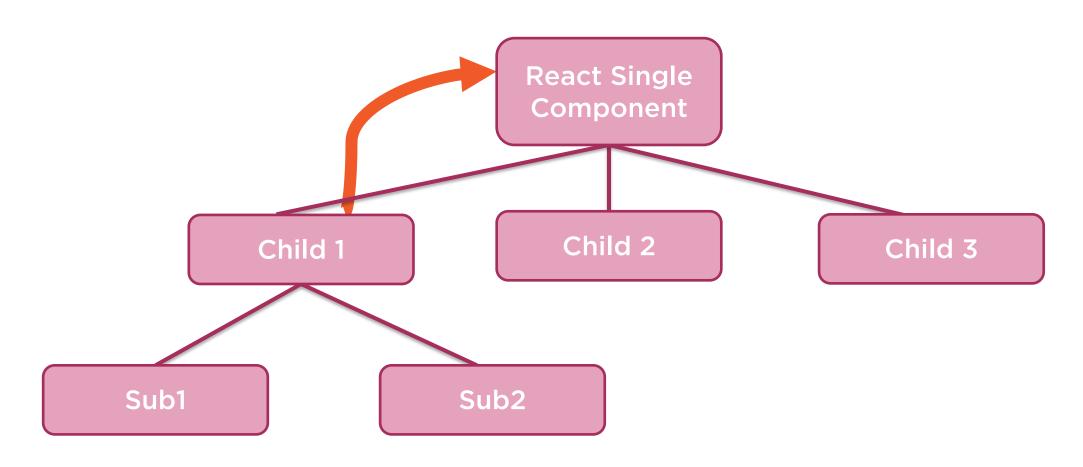


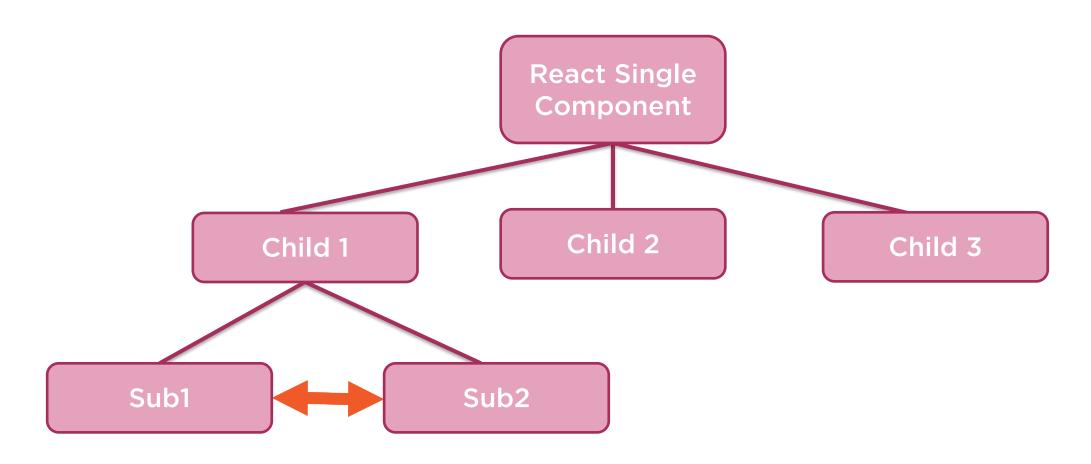
React Single Component

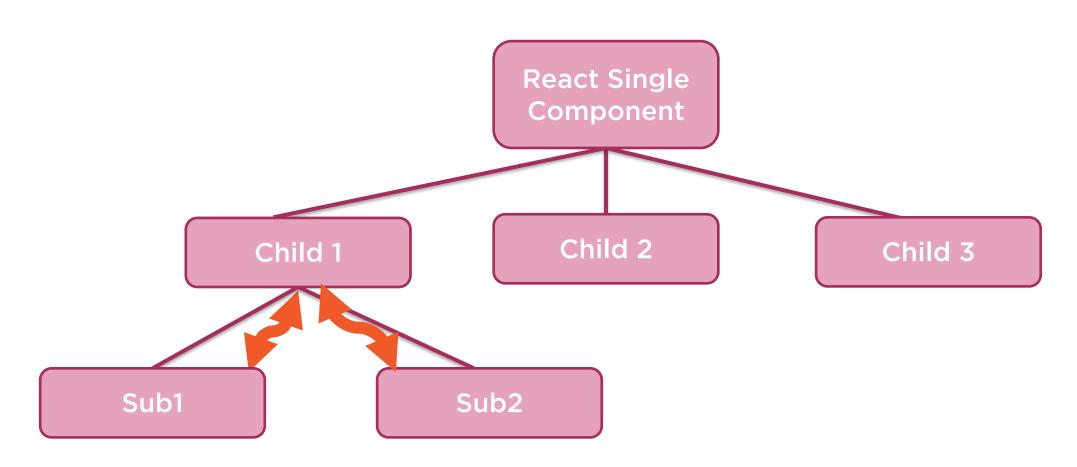


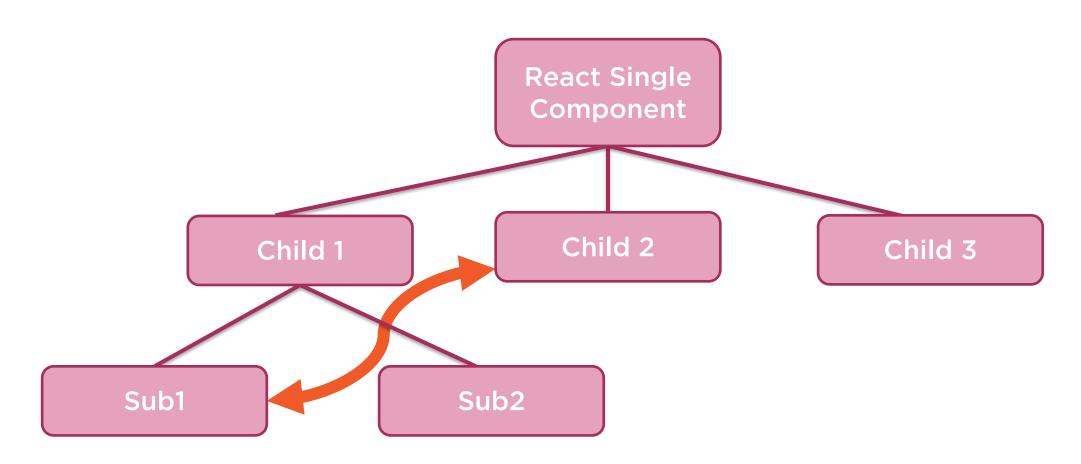


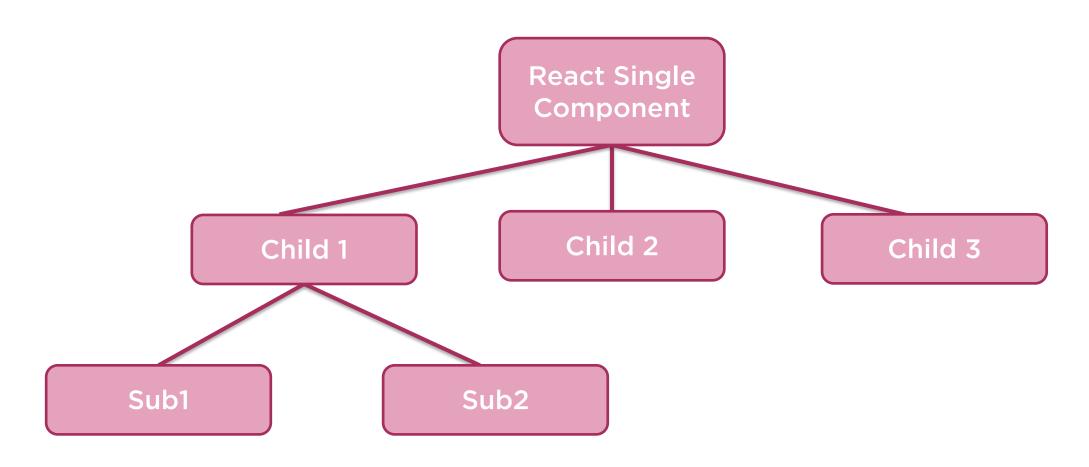


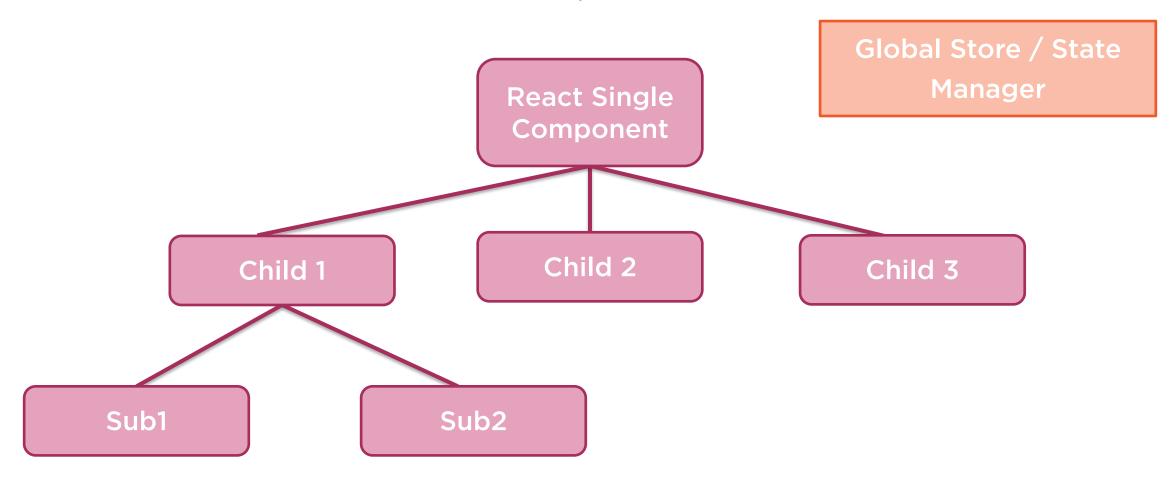


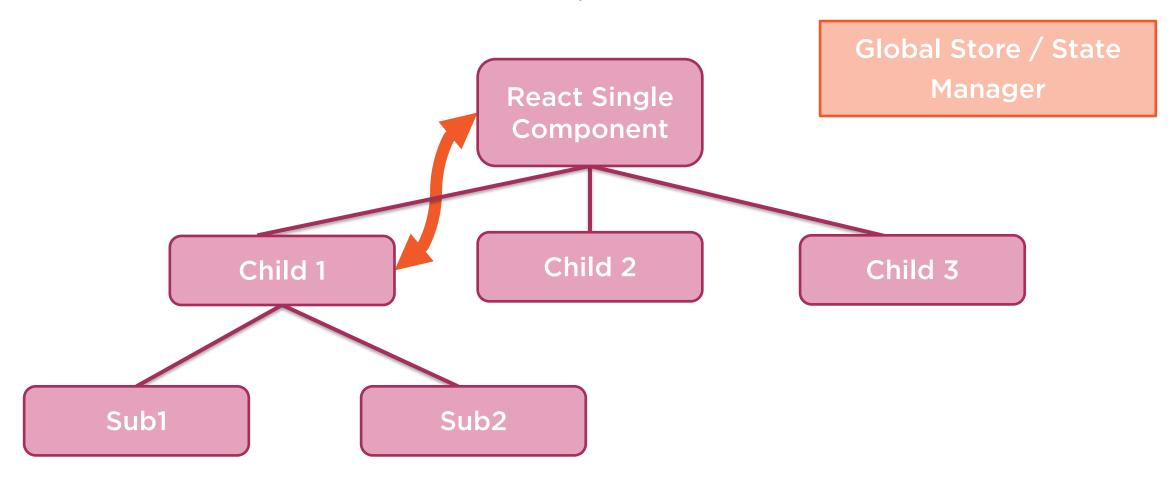


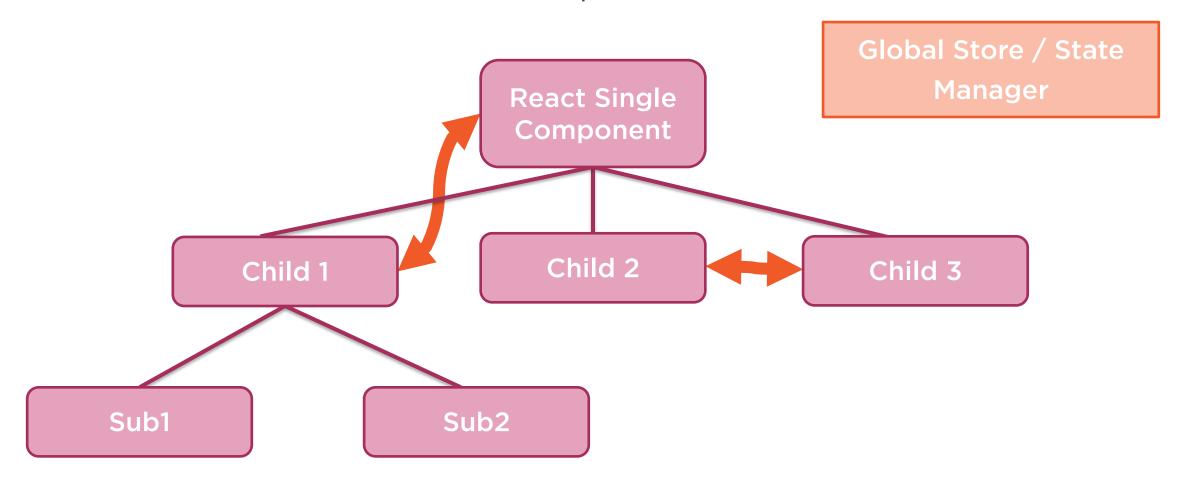


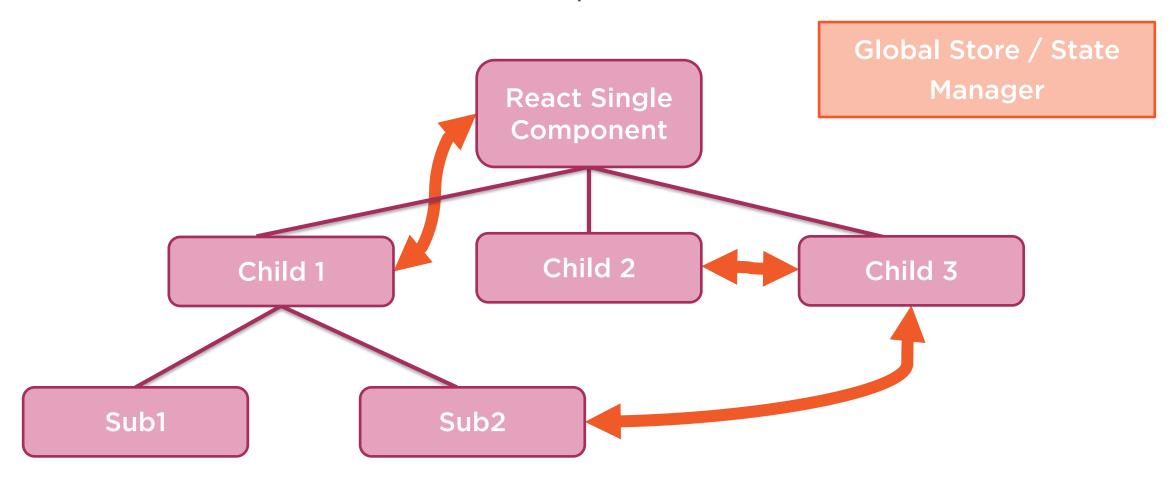


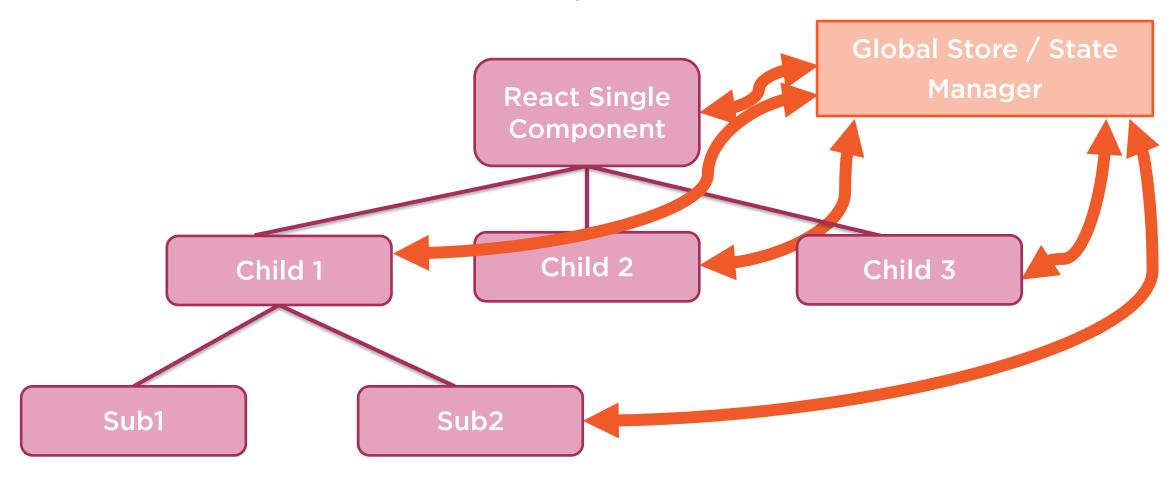


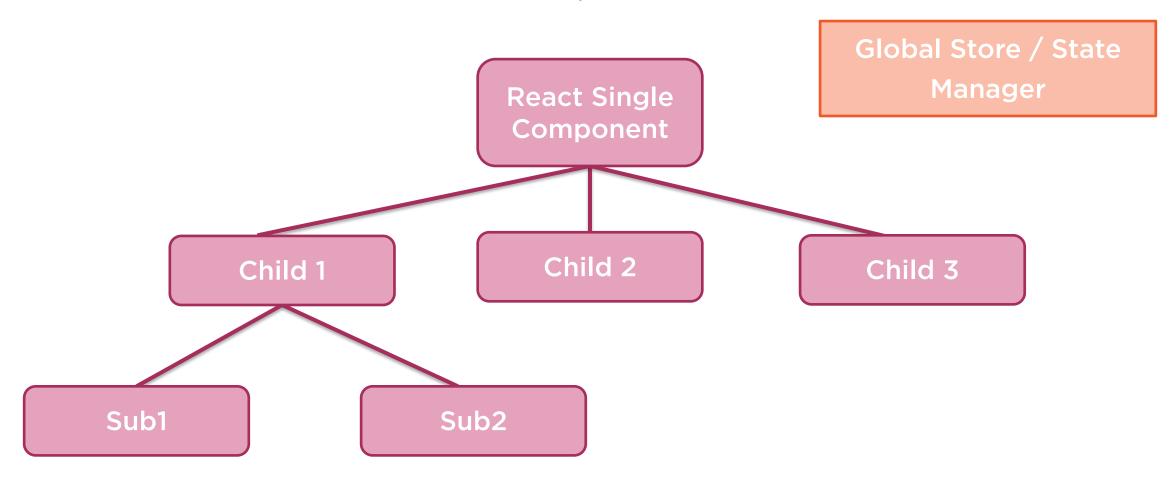






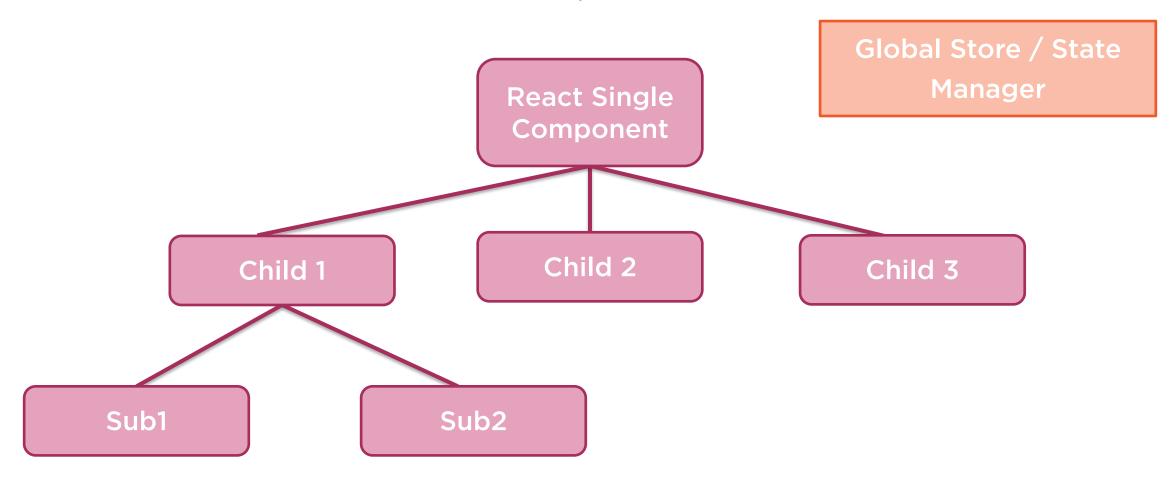






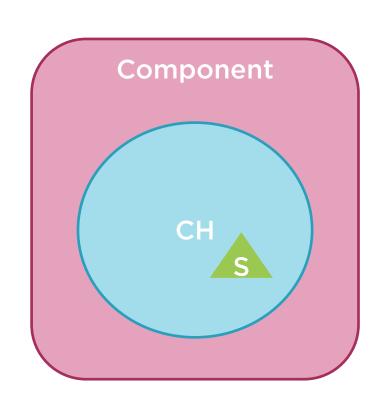
Redux

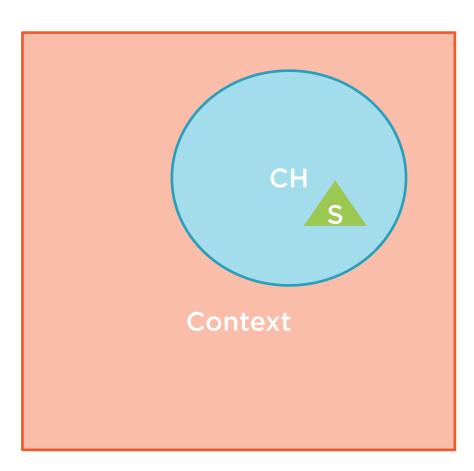
Redux can be thought of as a central store that holds an entire applications state. Each of the app components can access the stored state without requiring passing data or functions from one component to another.

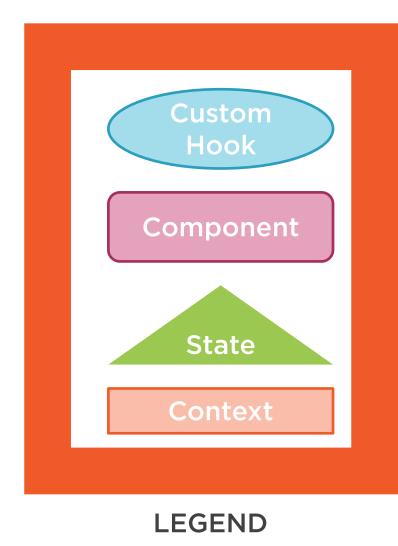


React Single Component

Components With Only Custom Hooks







Colorizing Bug Coding Plan

```
<GlobalContext>
 <App>
    <SpeakersList>
      <SpeakersImageComponent />
      <SpeakersImageComponent />
      <SpeakersImageComponent />
      <SpeakersImageComponent />
      <SpeakersImageComponent />
    </SpeakersList>
  </App>
</GlobalContext>
```

Colorizing Bug Coding Plan

Speakers List Component

Calls forceImageRerender() when Saturday or Sunday checkbox changes

Speaker Image Component

Rerenders image component when imageRerenderIdentifier changes value

Speakers Data Manager Context

Returns imageRerenderIdentifier and forceImageRerender()

Demo



Make code changes to fix our colorizing bug

Takeaways and Course Wrap



Whirlwind run through of auth useContext enabler for auth

Top level component shares auth

React Hooks brings JavaScript functions to life