

Signals vs React Hooks: The Battle for Clean and **Performant Code**

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Agenda

- How to handle states?
- **92** Signals VS Hooks
- 03 GLet's play







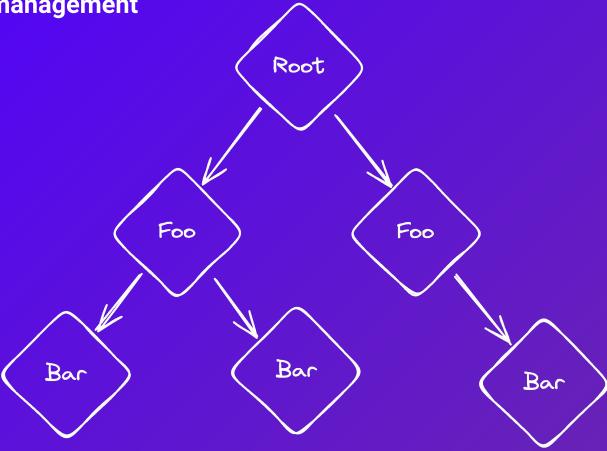
How to handle states?





How to handle states?

Basic state management

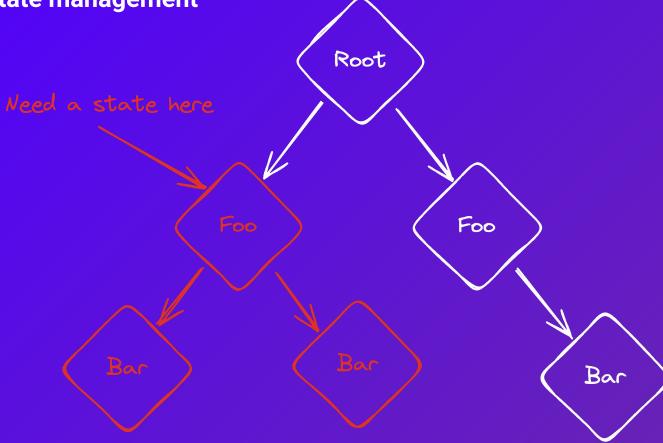




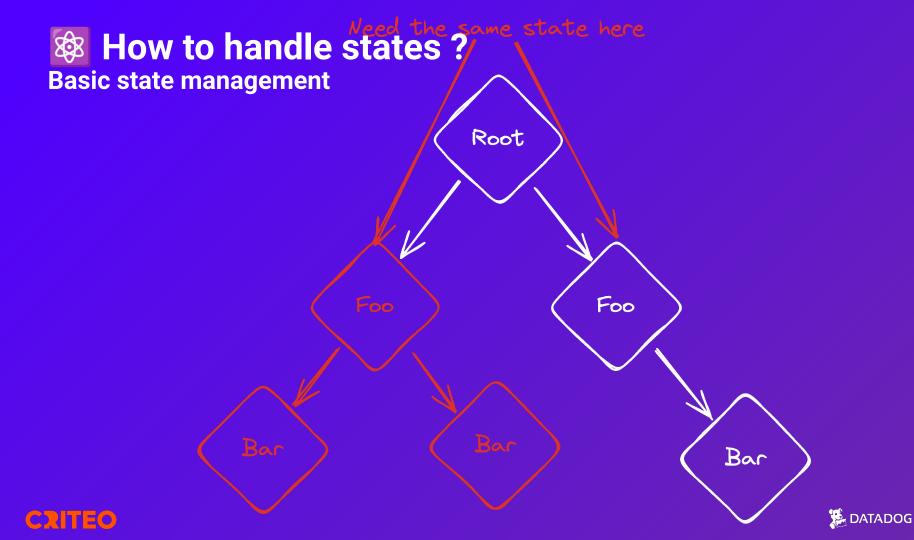
B How to handle states? **Basic state management** Root Foo Foo Bar Bar Bar



How to handle states?
Basic state management







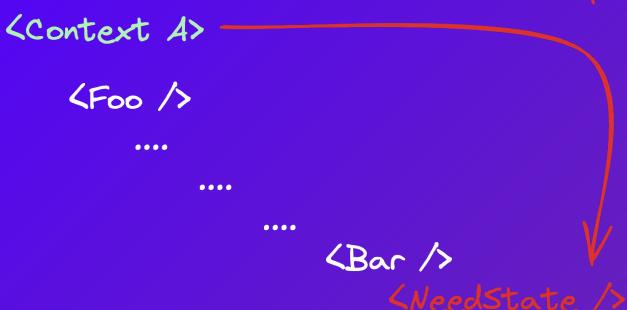




B How to handle states?

Here come the context

The context propagate the state to the component







B How to handle states? Here come the context Context A> (ContextB) (ContextC) <Foo /> <Bar />







```
<FooContext.Provider value="foo">
  <BarContext.Provider value="bar">
    <BazContext.Provider value="baz">
      <AnotherProvider>
        <AgainAnotherProvider configHereAlso={someEnvronmentVar}>
          <AreYouKiddingMeProvider>
            <IHateReactContextHellProvider frustration={true}>
              <FinallyYourApp />
            </IHateReactContextHellProvider>
          </AreYouKiddingMeProvider>
        </AgainAnotherProvider>
      </AnotherProvider>
    </BazContext.Provider>
  </BarContext.Provider>
</FooContext.Provider>
```

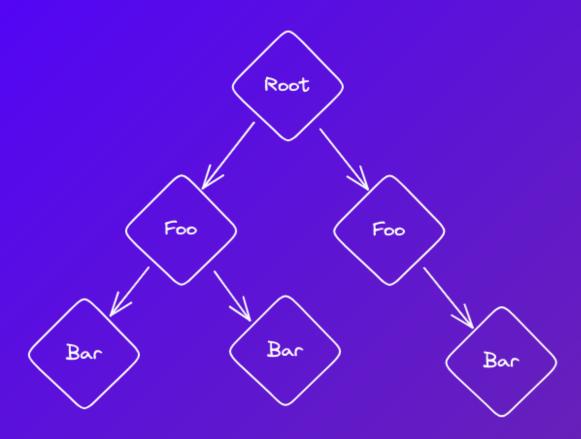


What are Signals?



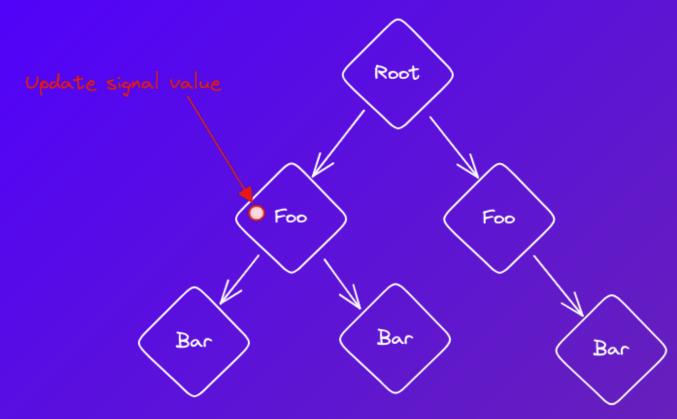


What are signals?





What are signals?



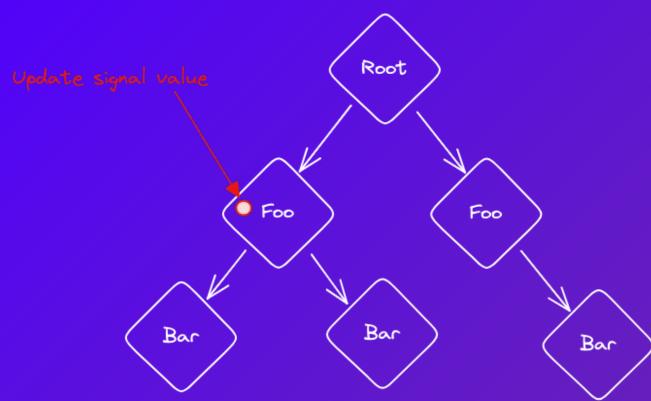


What are signals?













Signals vs Hooks



Hook

Signal

Reactively respond to changes in data or state

Component Rendering

React core feature since 2019

Available at components level

Need to declare dependencies

Data level Rendering

Recent concept from third-party library

Available everywhere

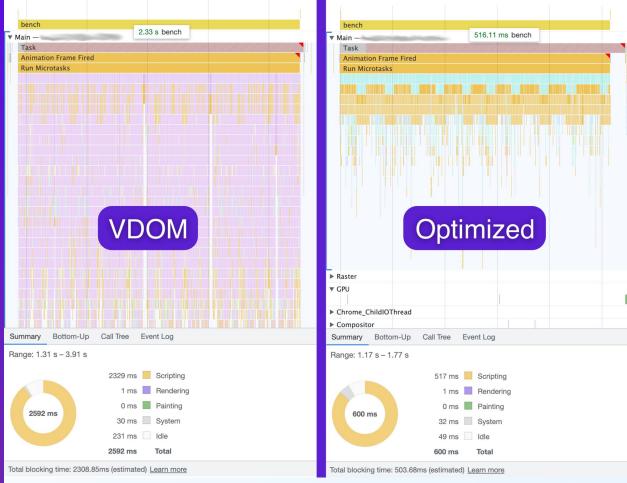
Automatic dependencies detection





Rendering improvements

- Lazy by default
- Optimal updates
- Optimal dependency tracking
- Direct access







Signals 101





Signals 101





Signals 101









65 Let's Play

- Create a simple todo App
- Migrate it with Signals instead of hooks









Thank you

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