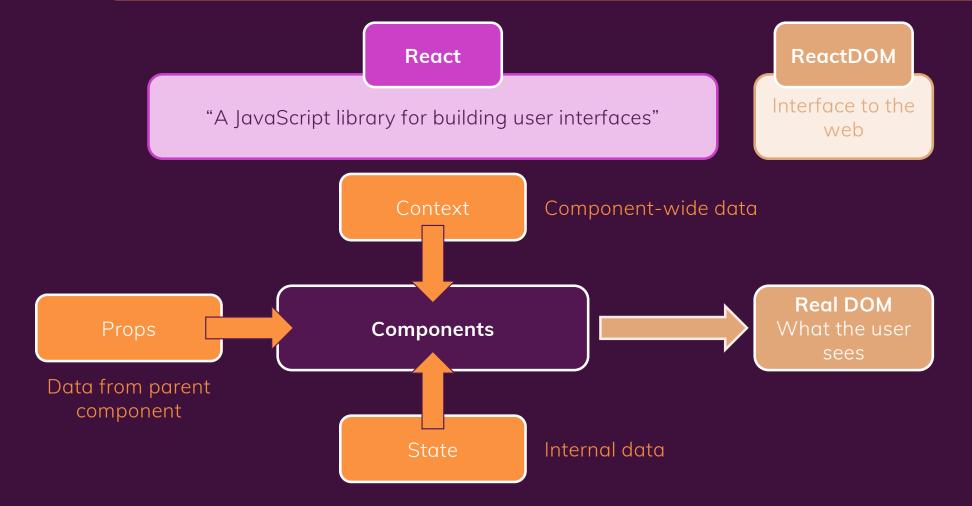
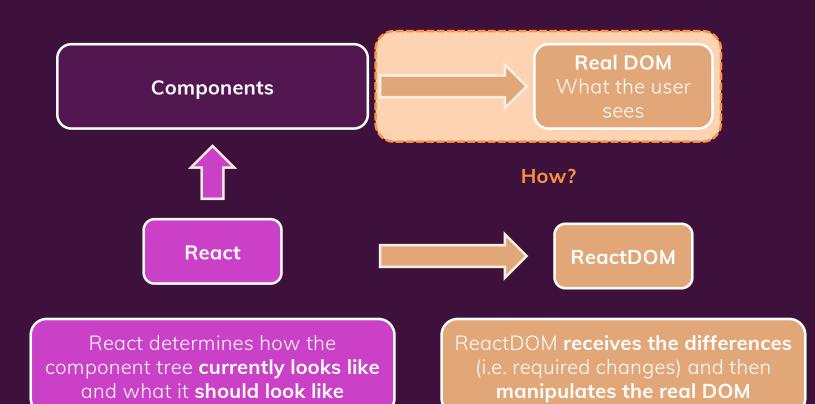


#### **How Does React Work?**





#### **How Does React Work?**





## Re-Evaluating Components !== Re-Rendering the DOM





Re-evaluated whenever props, state or context changes

React executes component functions

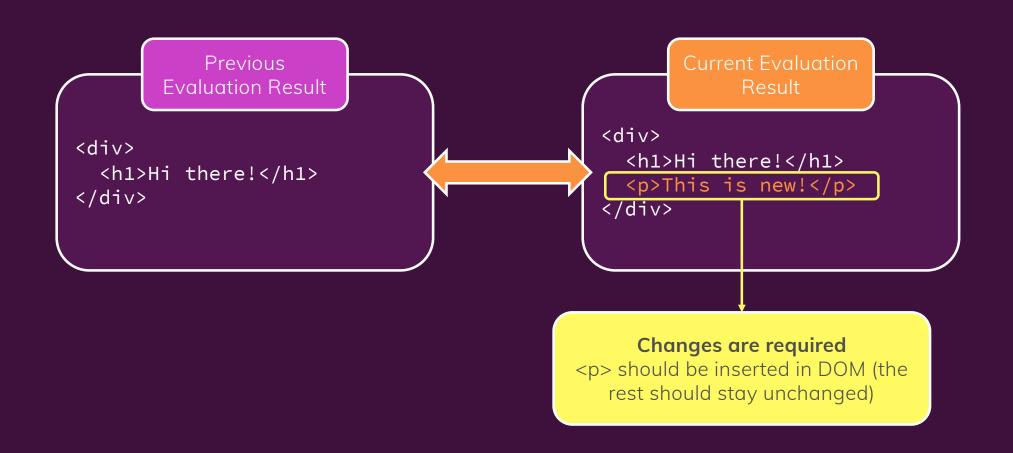




Changes to the real DOM are only made for **differences between evaluations** 

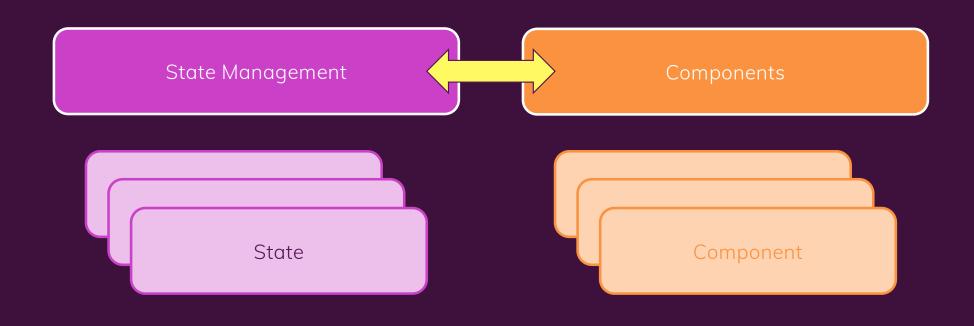


### Virtual DOM Diffing



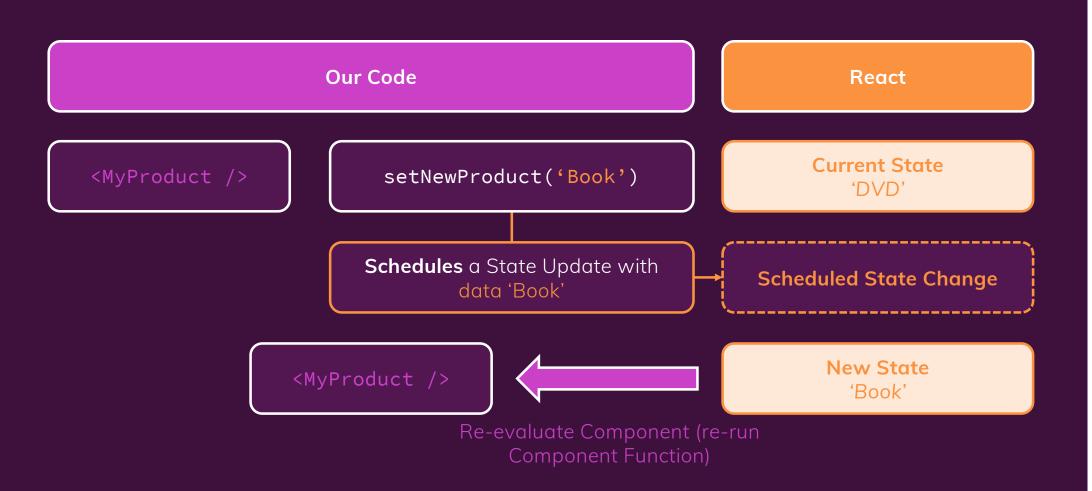


# Components & State





### **State Updates & Scheduling**





### **State Updates & Scheduling**

React

**Current State** 'DVD'

**Scheduled State Change** 

**Scheduled State Change** 

Multiple updates can be scheduled at the same time!

New State 'Book'