



JONAS SCHMEDTMANN

# THE ULTIMATE REACT COURSE

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**SECTION**

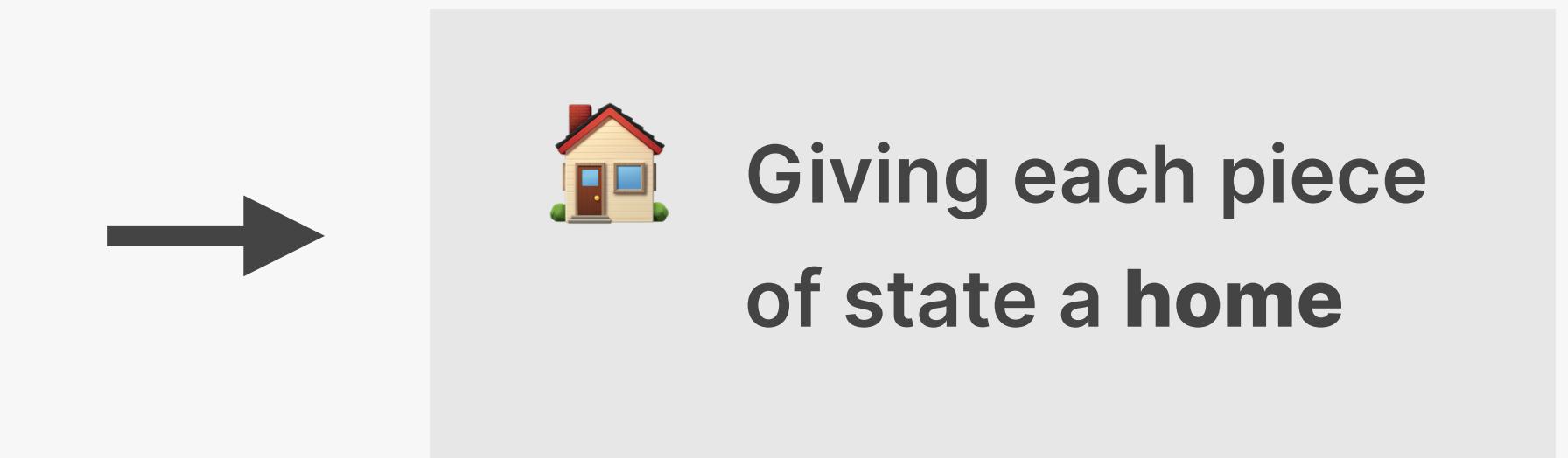
THINKING IN REACT: STATE  
MANAGEMENT

**LECTURE**

FUNDAMENTALS OF STATE  
MANAGEMENT

# WHAT IS STATE MANAGEMENT?

👉 State management: Deciding **when** to create pieces of state, what **types** of state are necessary, **where** to place each piece of state, and how **data flows** through the app



The screenshot shows the Udemy homepage with a search bar containing "javascript". Below it, a "Shopping Cart" section displays two courses: "Node.js, Express, MongoDB & More: The Complete Bootcamp 2022" and "The Complete JavaScript Course 2022: From Zero to Expert!". A red arrow points from the word "searchQuery" to the search bar. Another red arrow points from "shoppingCart" to the shopping cart section. In the center, the text "PIECES OF STATE (useState)" is displayed in red. To the right, a user profile for "Jonas Schmedtmann" is shown with a red arrow pointing from "isOpen" to the profile picture. Below the profile, a red arrow points from "user" to the user's name. Further down, a red arrow points from "coupons" to a purple "Checkout" button. At the bottom, red arrows point from "notifications" to a "Notifications" section with a count of "9+" and from "language" to a "Language" dropdown set to "English".

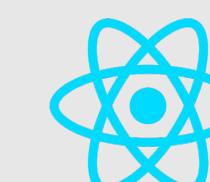
# TYPES OF STATE: LOCAL VS. GLOBAL STATE

## LOCAL STATE

- 👉 State needed **only by one or few components**
- 👉 State that is defined in a component and **only that component and child components have access to it** (by passing via props)
- 👉 **We should always start with local state**

## GLOBAL STATE

- 👉 State that **many components** might need
- 👉 **Shared state** that is accessible to **every component** in the entire application



Context API



Redux

A screenshot of the Udemy website's shopping cart page. At the top, there is a search bar with the text "javascript". Below the search bar, the word "Shopping Cart" is displayed. The main content area shows two courses in the cart: "Node.js, Express, MongoDB & More: The Complete Bootcamp 2022" and "The Complete JavaScript Course 2022: From Zero to Expert!". Each course listing includes a small thumbnail, the course title, the instructor's name, ratings, and a brief description. To the right of the course lists, there are buttons for "Remove", "Save for Later", and "Move to Wishlist". Next to the "Remove" button, the original price is listed as €84.99 and the discounted price as €12.99. A "Checkout" button is located at the bottom right of this section. On the far right, a sidebar displays the user's profile picture, name "Jonas Schmedtmann", and a summary of their learning progress. The sidebar also includes links for "My learning", "Notifications" (9+), "Messages" (9+), "Account settings", and "Payment methods". A blue arrow points from the text "Local state" to the search bar area. Another blue arrow points from the text "Global state" to the sidebar area.

Local state

Global state

# STATE: WHEN AND WHERE?

