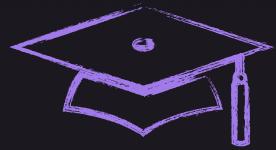


# Practice Project: Advanced Concepts

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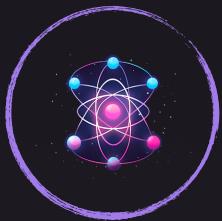
Working with Components, State, Styling, Refs & Portals

- ▶ Build a “Project Management” Web App
- ▶ Build, Style, Configure & Re-use **Components**
- ▶ Manage **State**
- ▶ Access DOM Elements & Browser APIs with **Refs**
- ▶ Manage JSX Rendering Positions with **Portals**



# Challenge Time!

Try building this project on your own – or at least try to get as far as possible



# Advanced State Management

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Beyond Basic Apps & “Lifting Up State”

- ▶ The Problem Of Shared State: Prop Drilling
- ▶ Embracing **Component Composition**
- ▶ Sharing State with **Context**
- ▶ Managing Complex State with **Reducers**



# Most React Apps Consist Of Multiple Components

App

Header

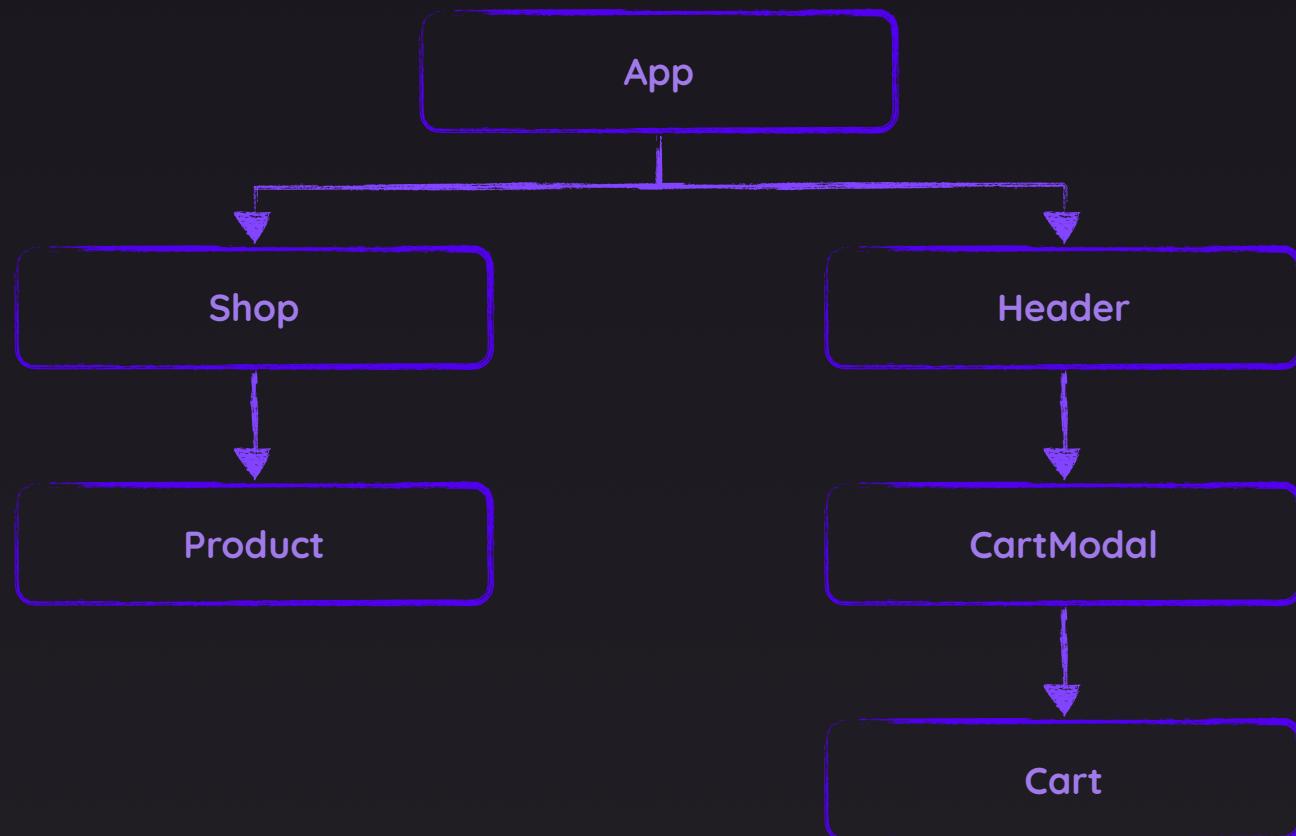
CartModal

Shop

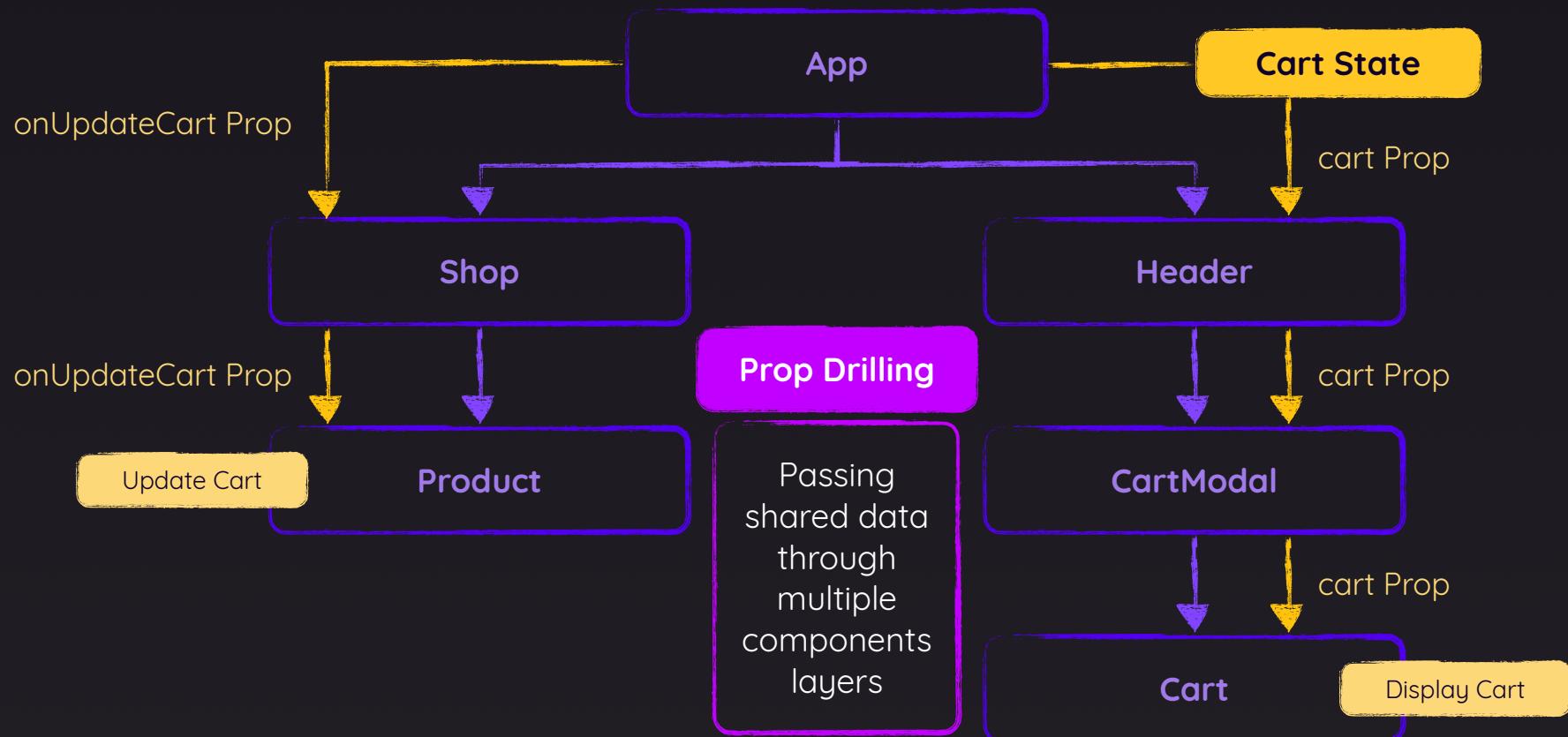
Product

Cart

# Most React Apps Consist Of Multiple Components



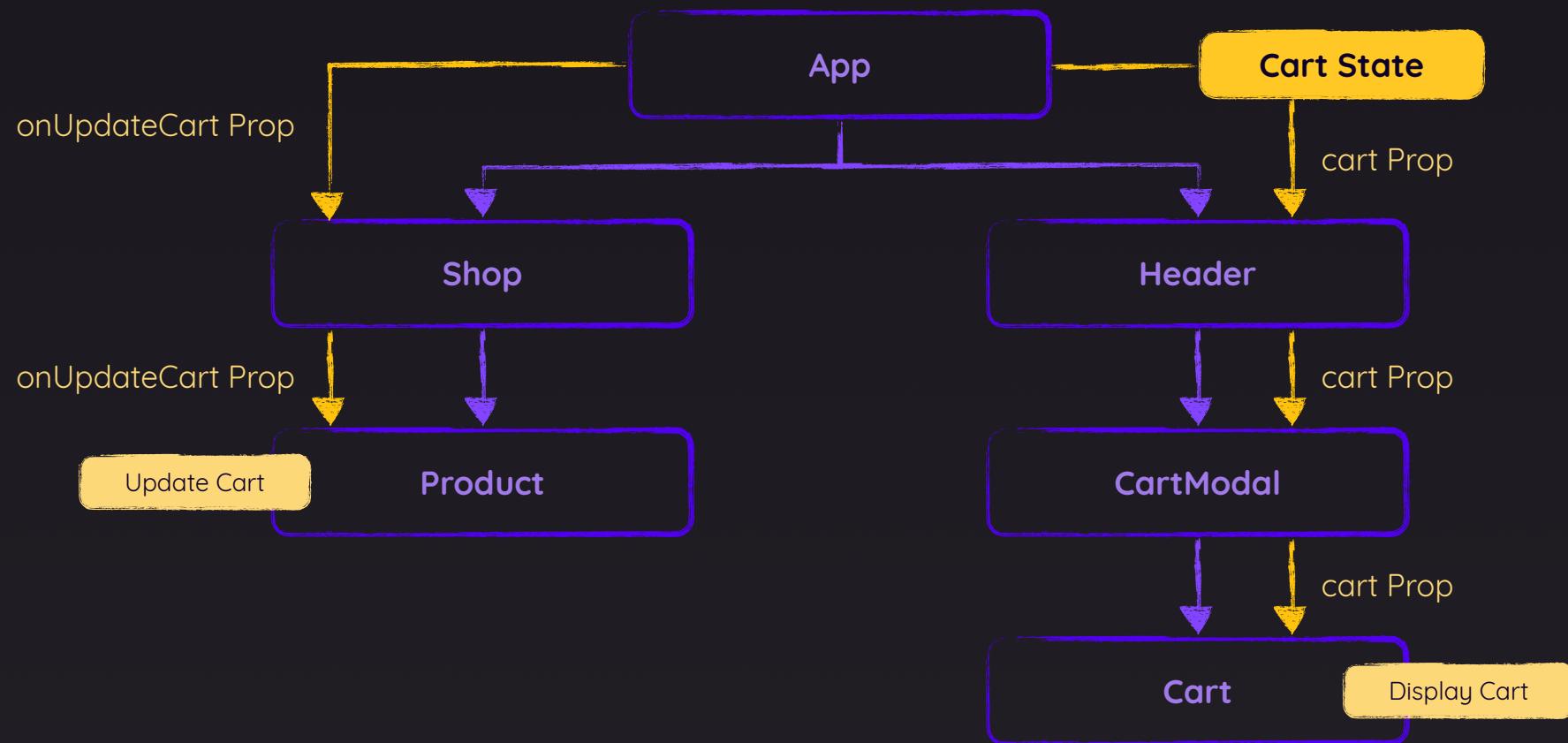
# Most React Apps Consist Of Multiple Components



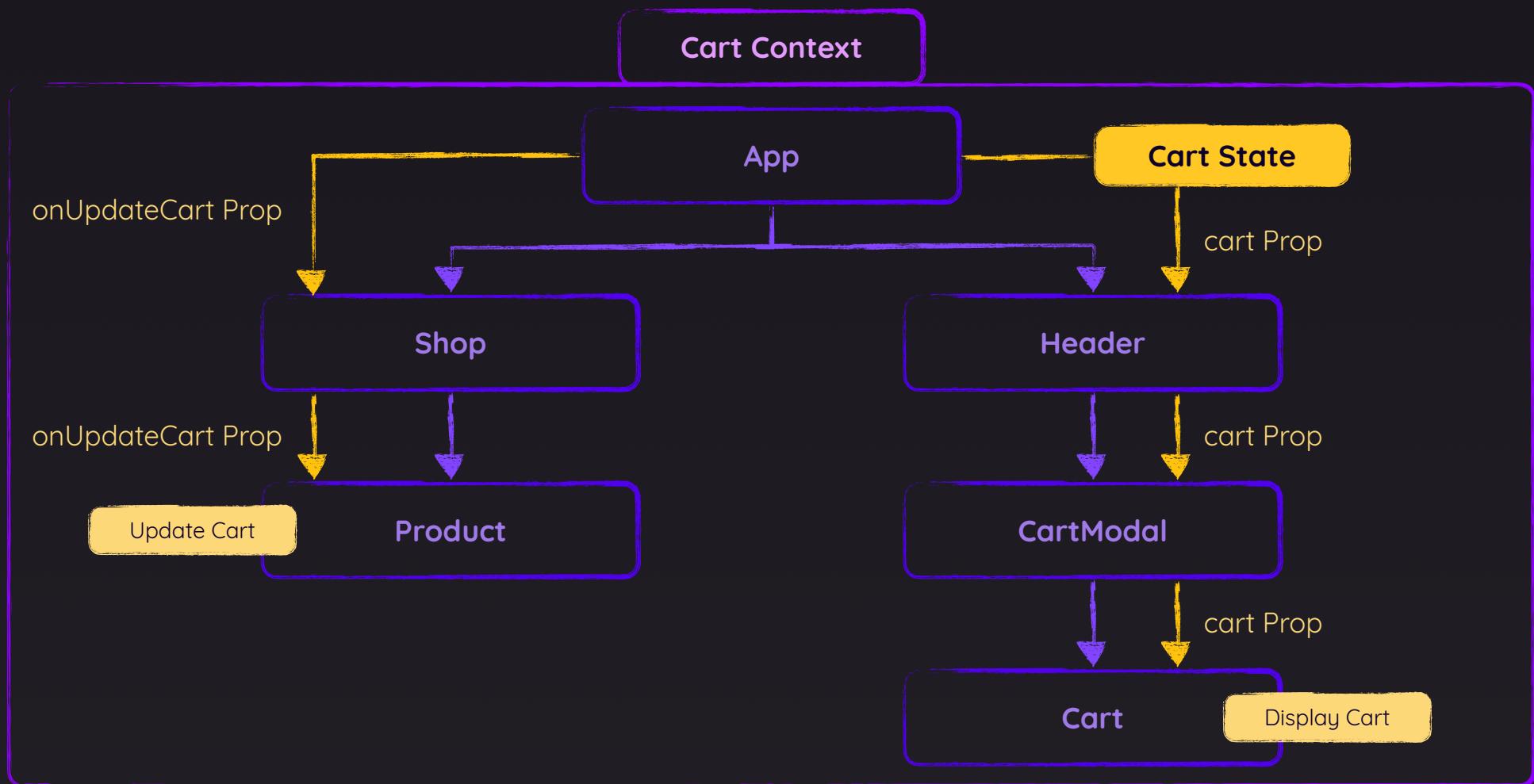
# Component Composition

# React's Context API

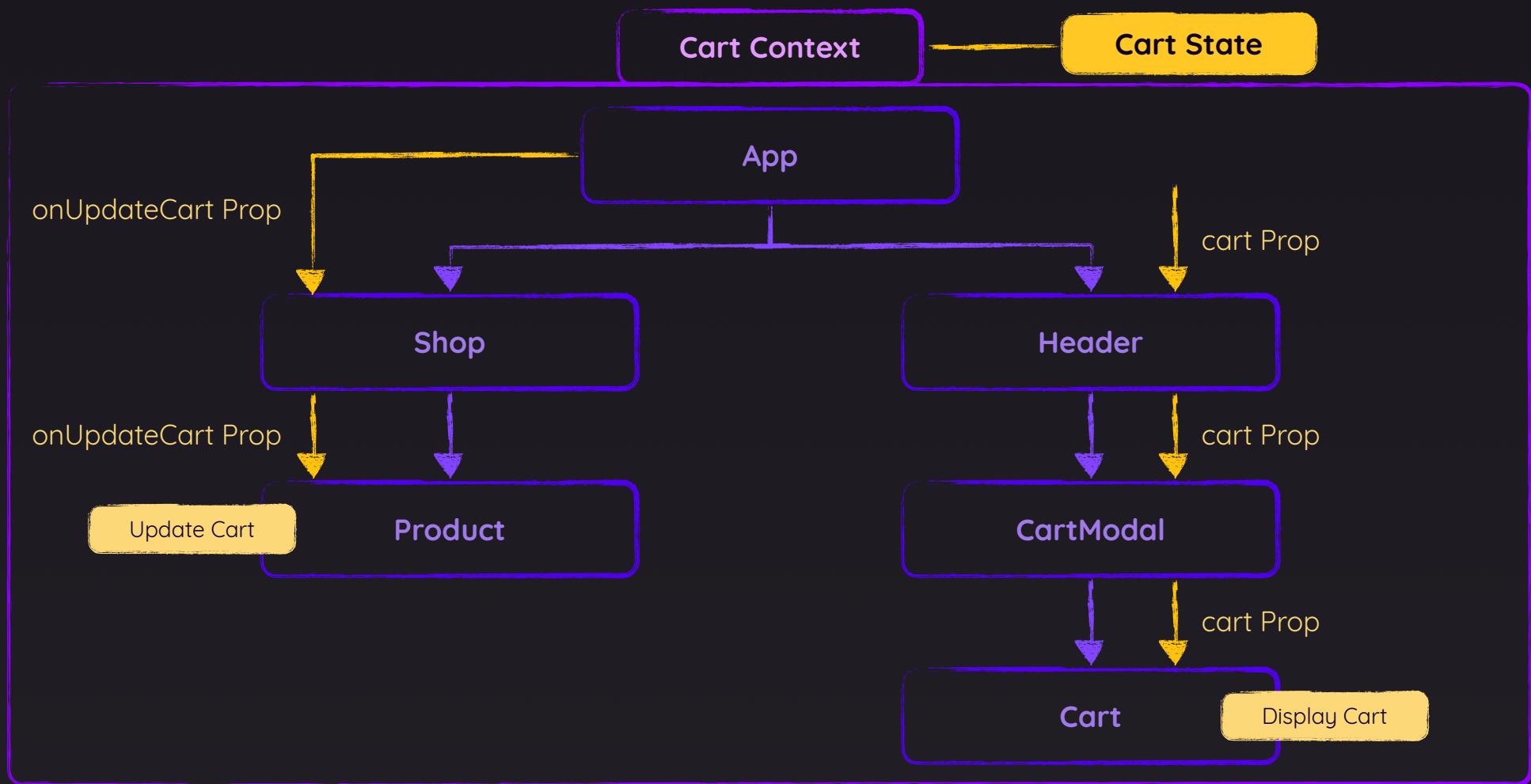
# Most React Apps Consist Of Multiple Components



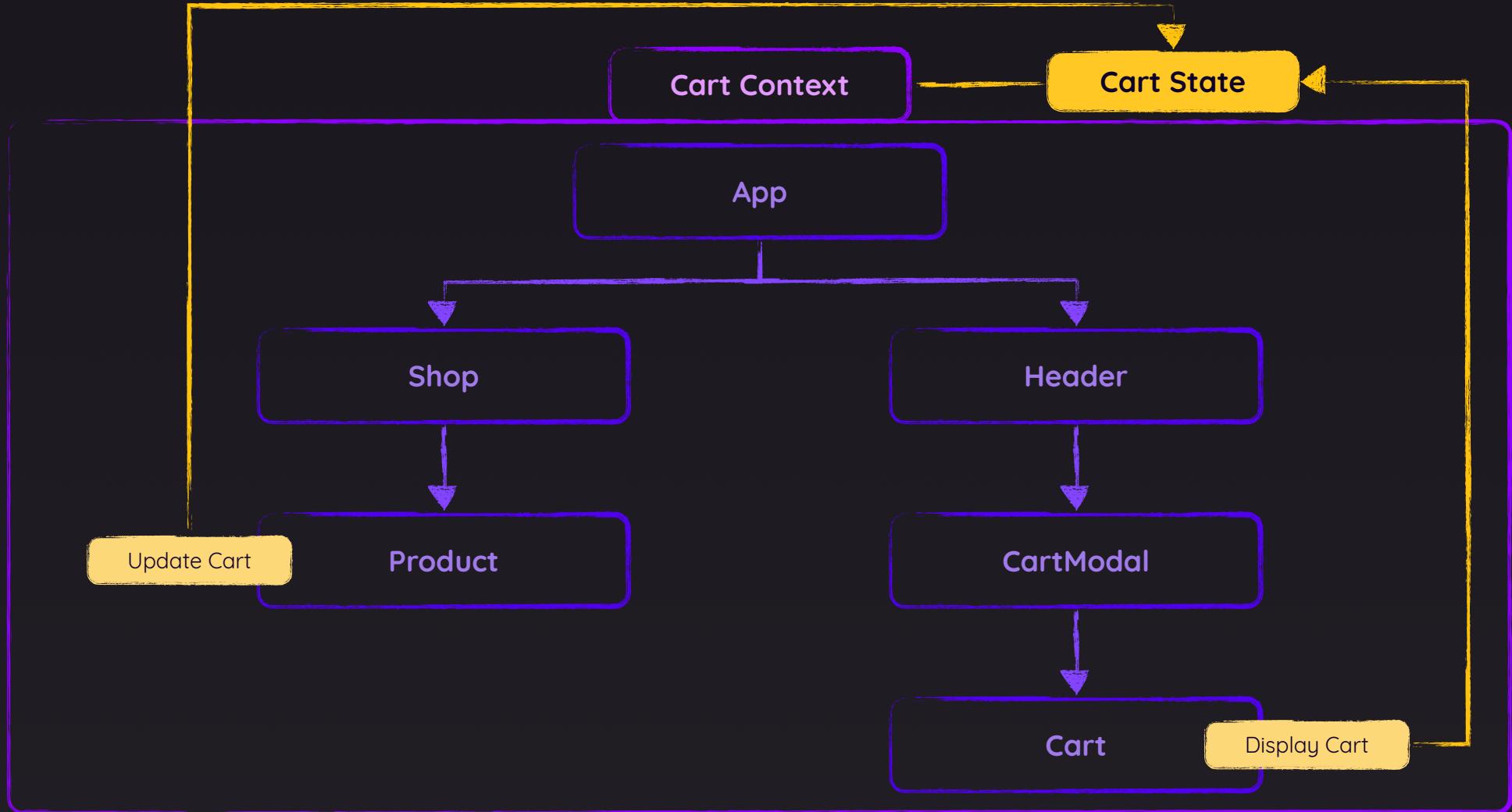
# Most React Apps Consist Of Multiple Components



# Most React Apps Consist Of Multiple Components



# Most React Apps Consist Of Multiple Components



# What's a “Reducer”?

A function that reduce one or more **complex values** to a **simpler one**

