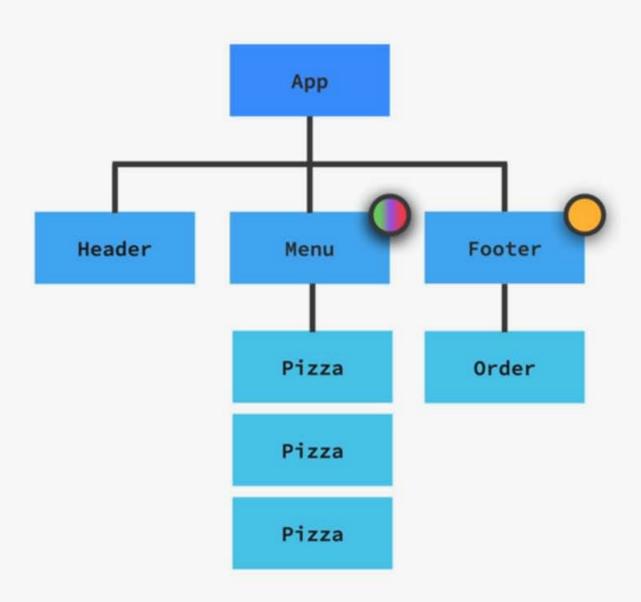
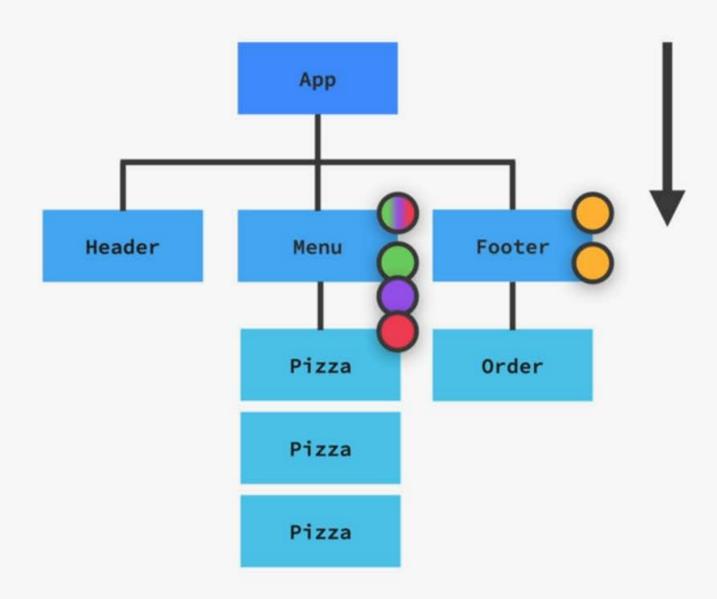
PROPS

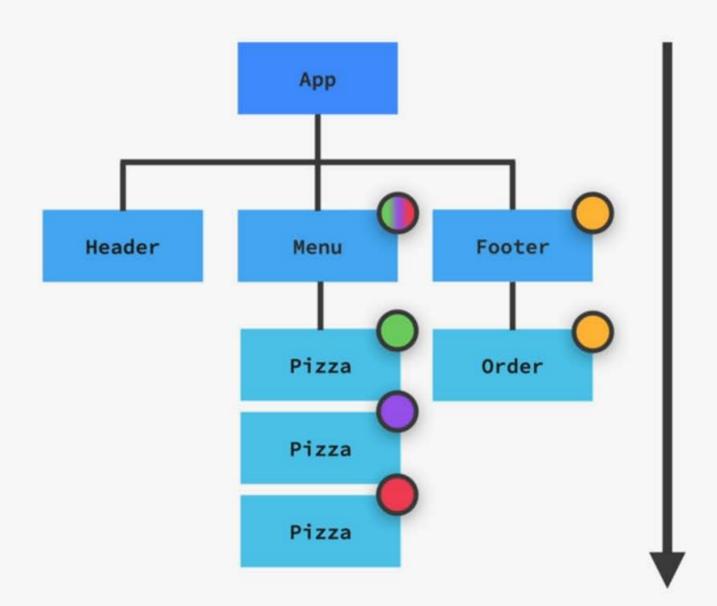
PROPS



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- Essential tool to configure and customize components (like function parameters)

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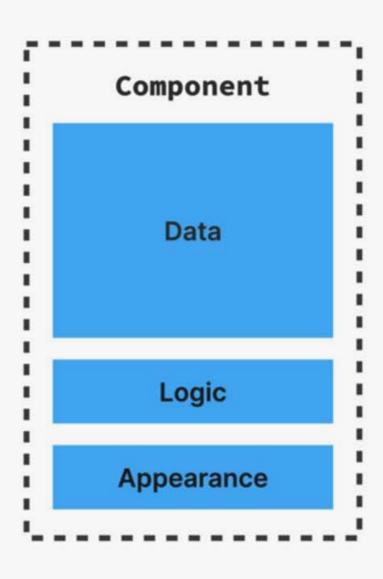
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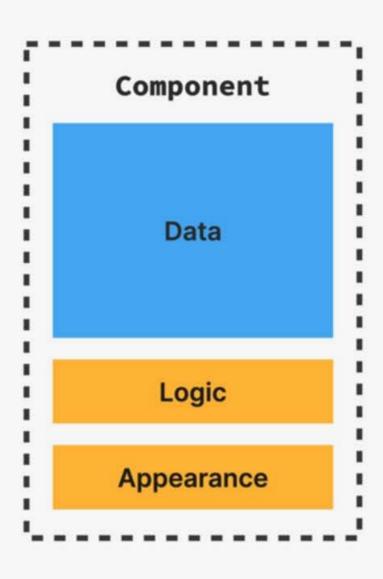
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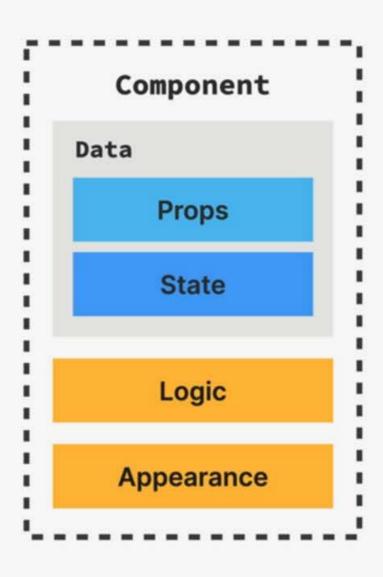
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```
function CourseRating() {
 const [rating, setRating] = useState(0);
 return (
   <Rating
     text="Course rating"
     currentRating={rating}
     numOptions={3}
     options={["Terrible", "Okay", "Amazing"]}
     allRatings={{ num: 2390, avg: 4.8 }}
     setRating={setRating}
     component={Star}
function Star() {
```

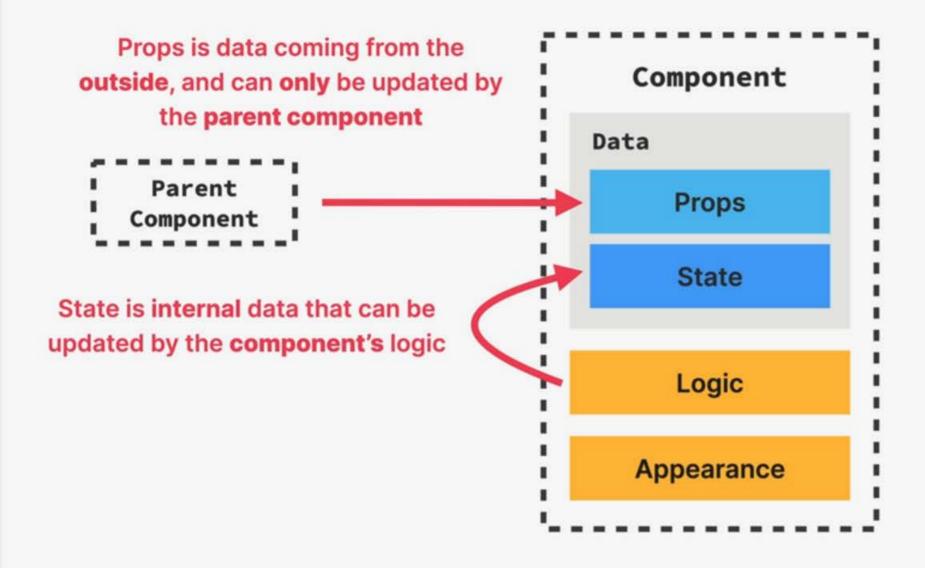


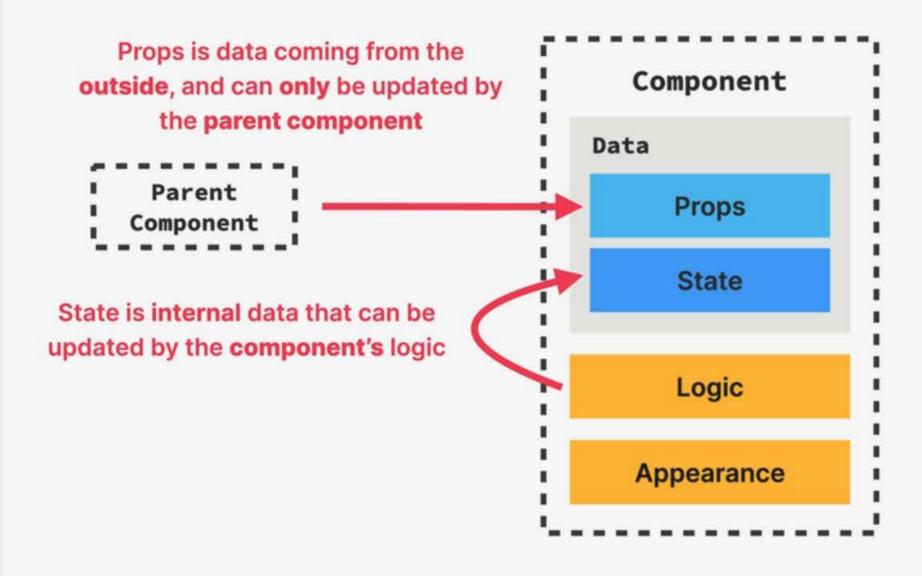




Component Data **Props** State Logic **Appearance**

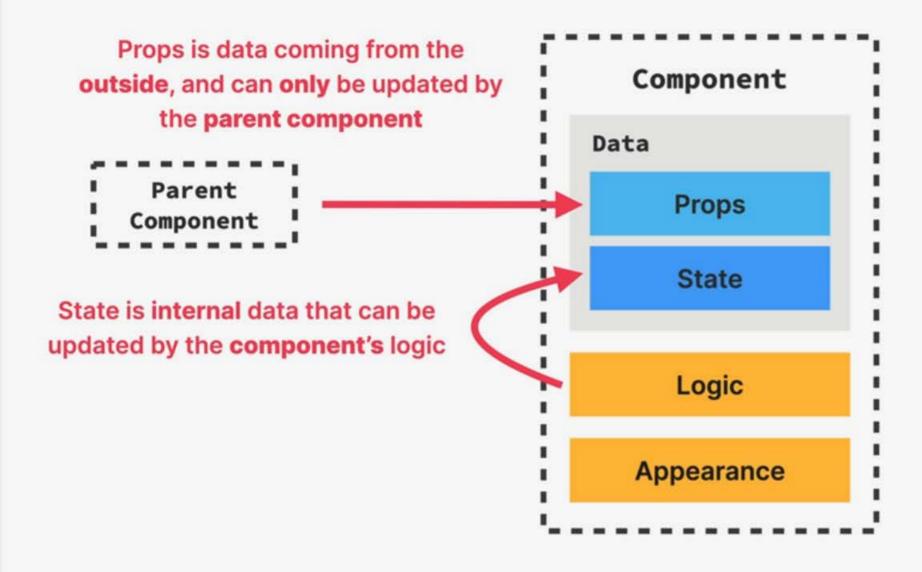
State is internal data that can be updated by the component's logic

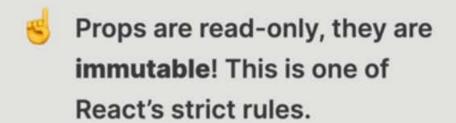




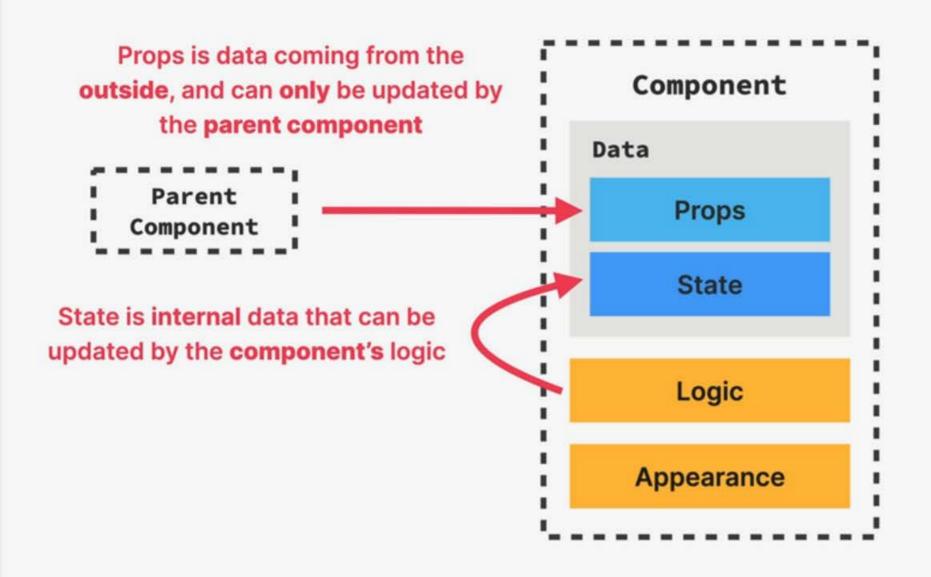


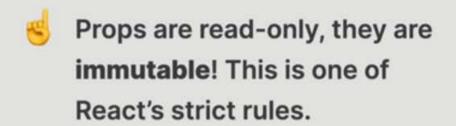
Props are read-only, they are immutable! This is one of React's strict rules.





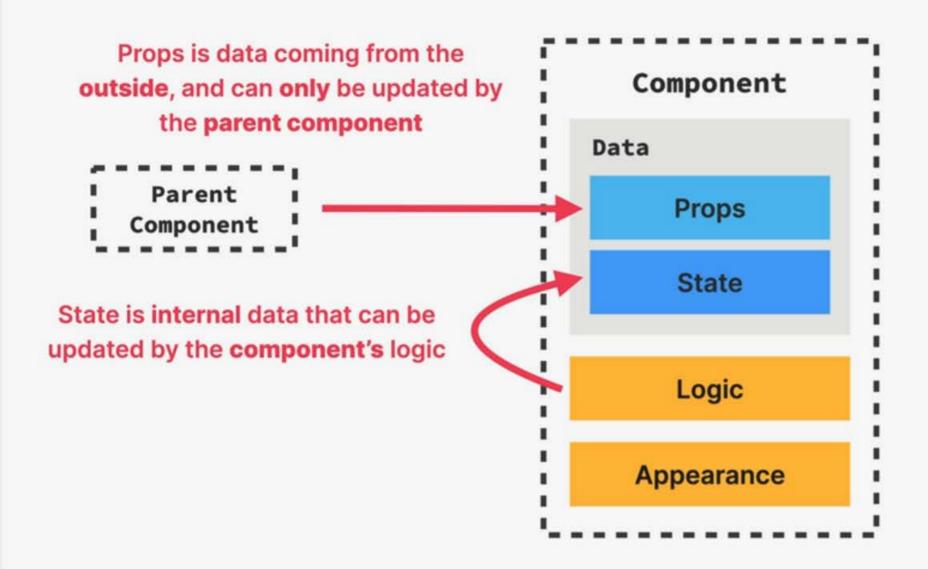
If you need to mutate props, you actually need state





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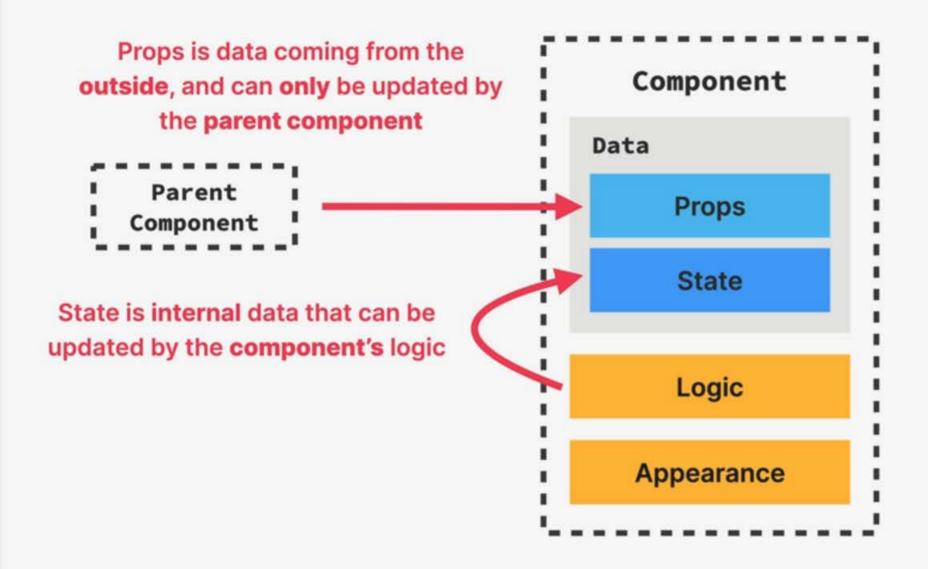




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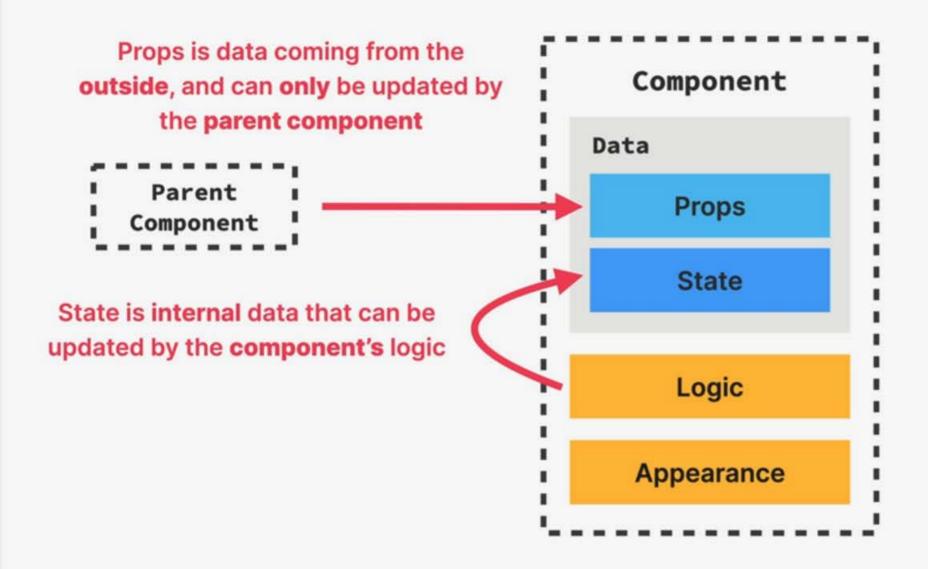
Mutating props would affect parent, creating side effects (not pure)



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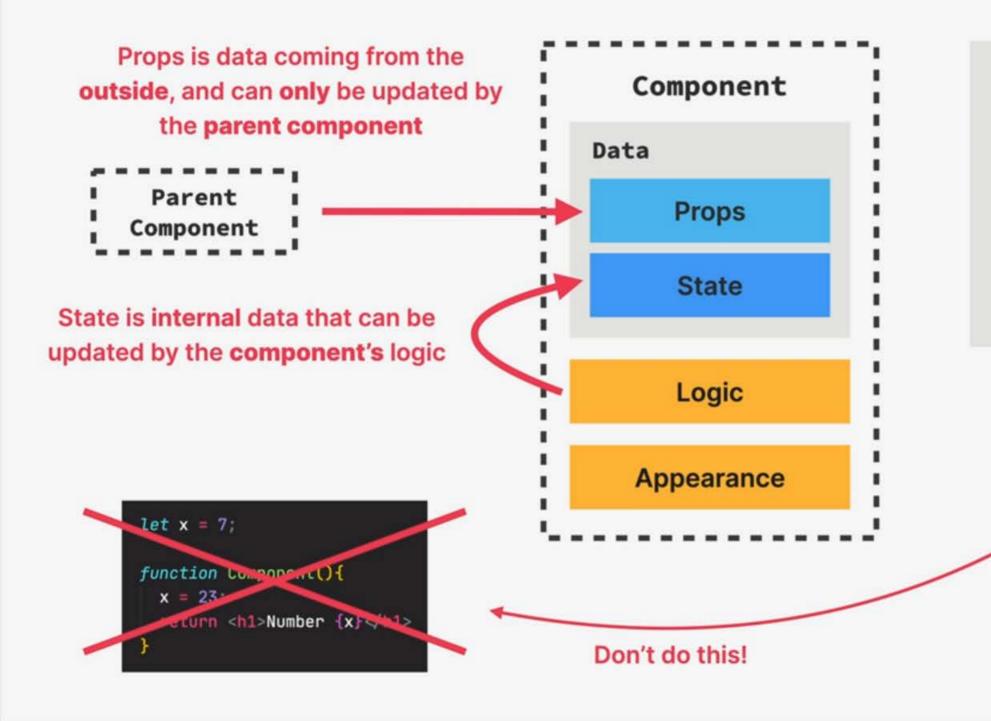
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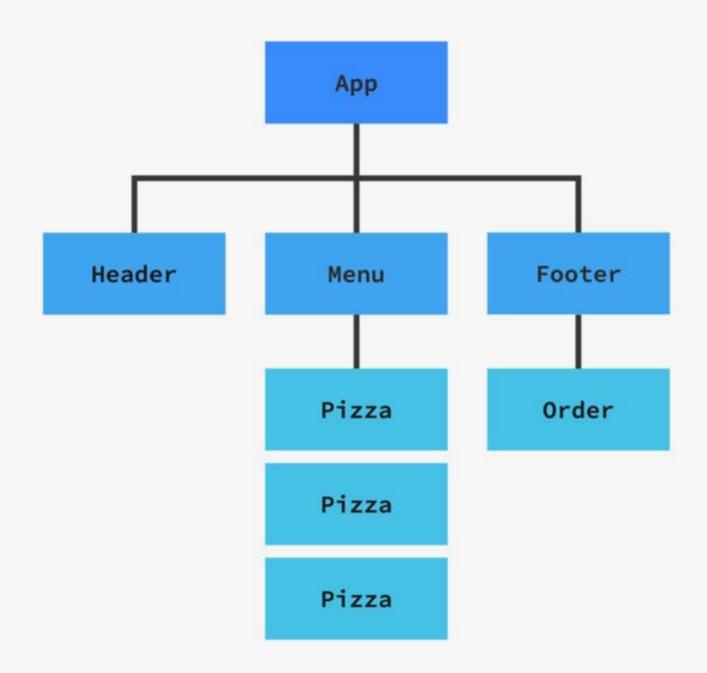
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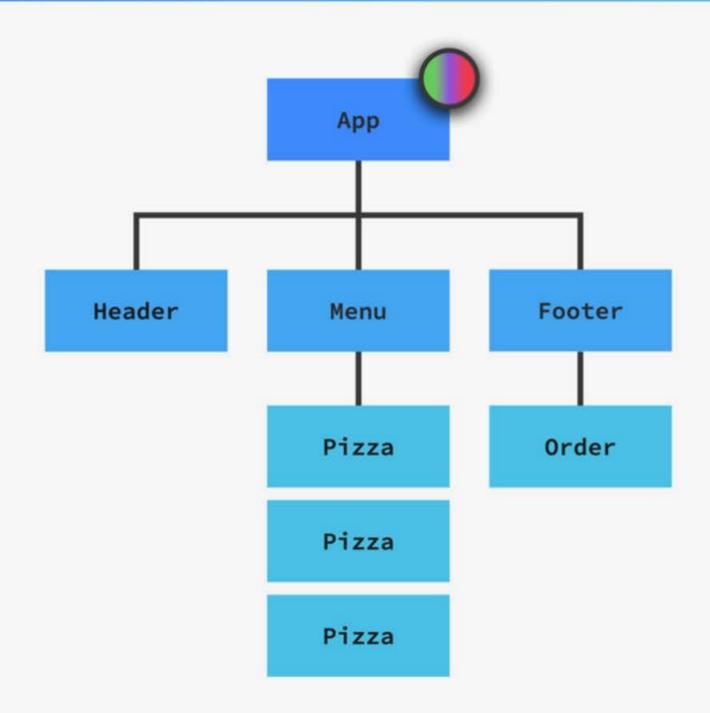


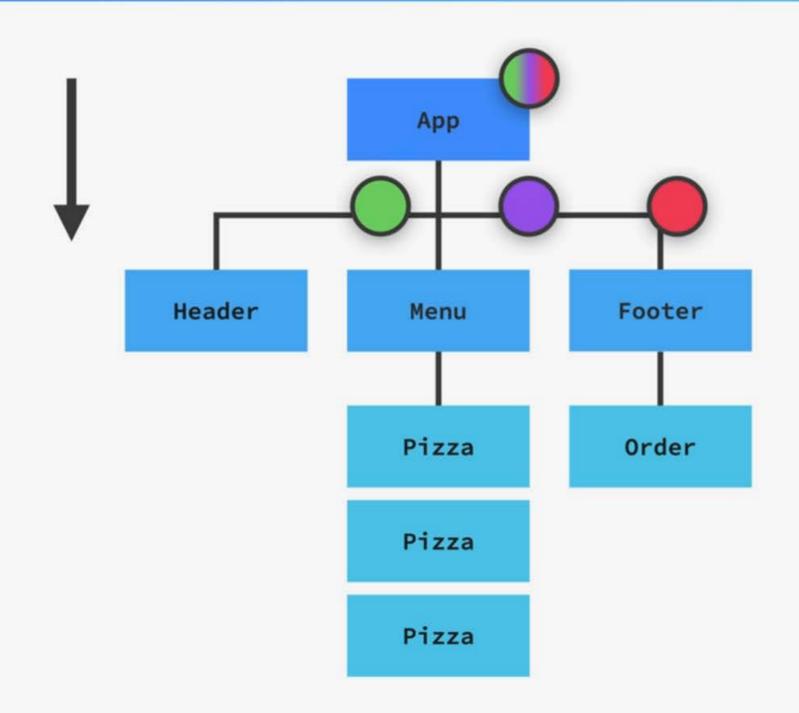
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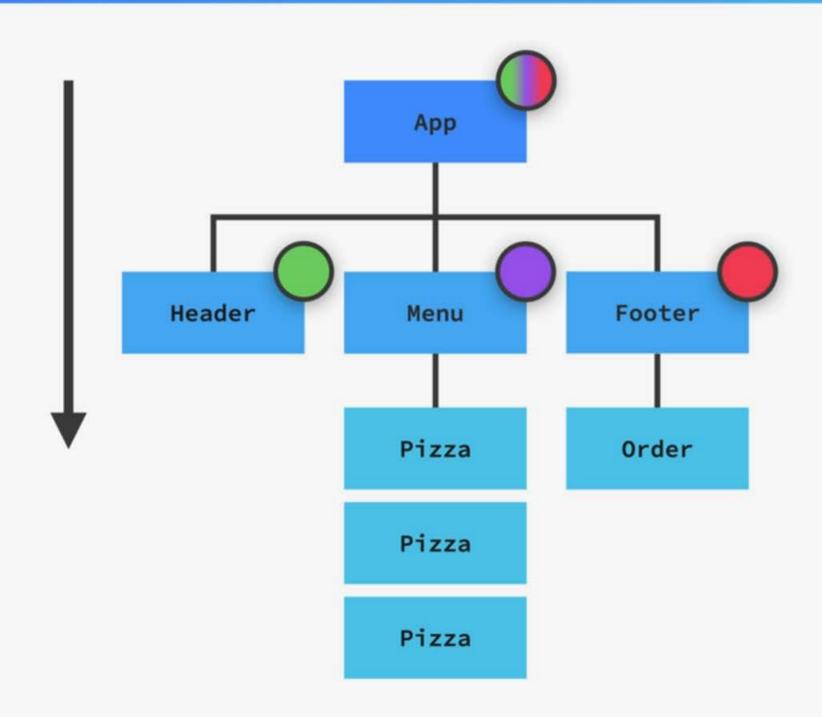


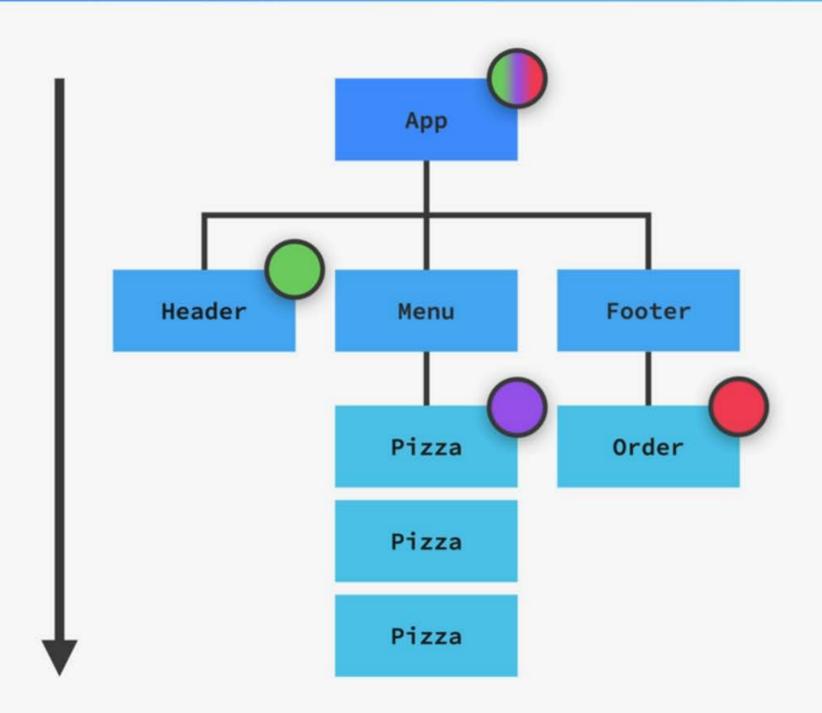
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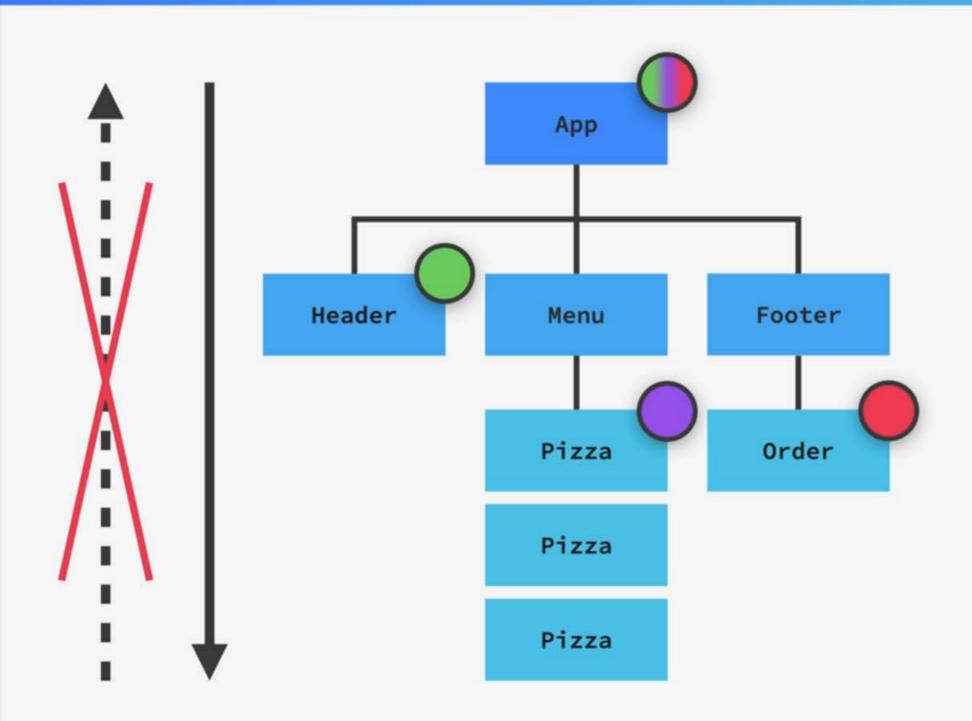


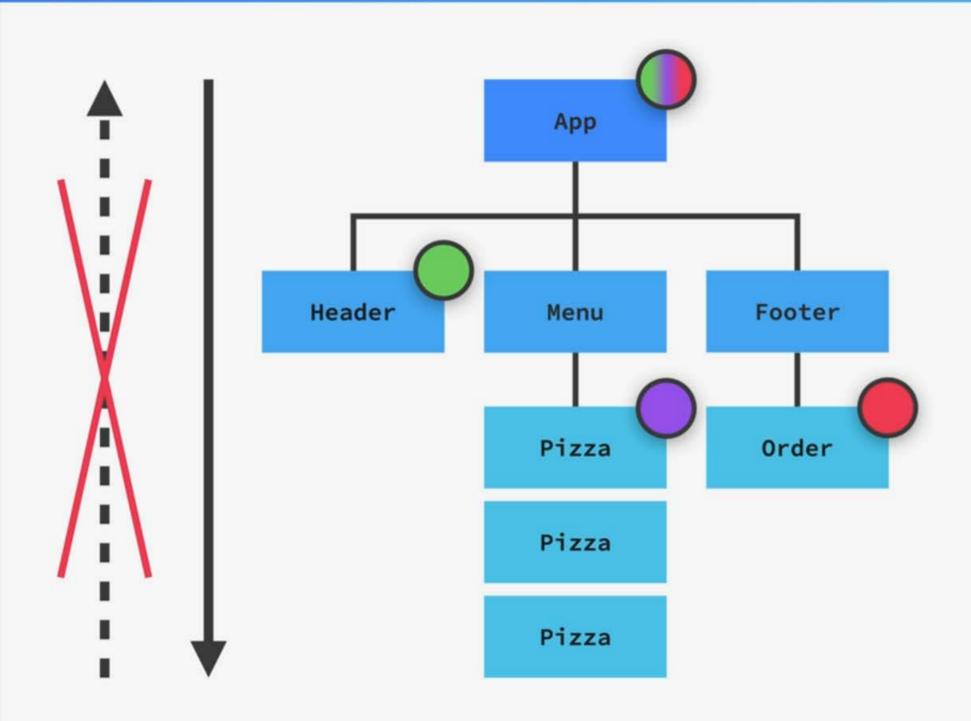




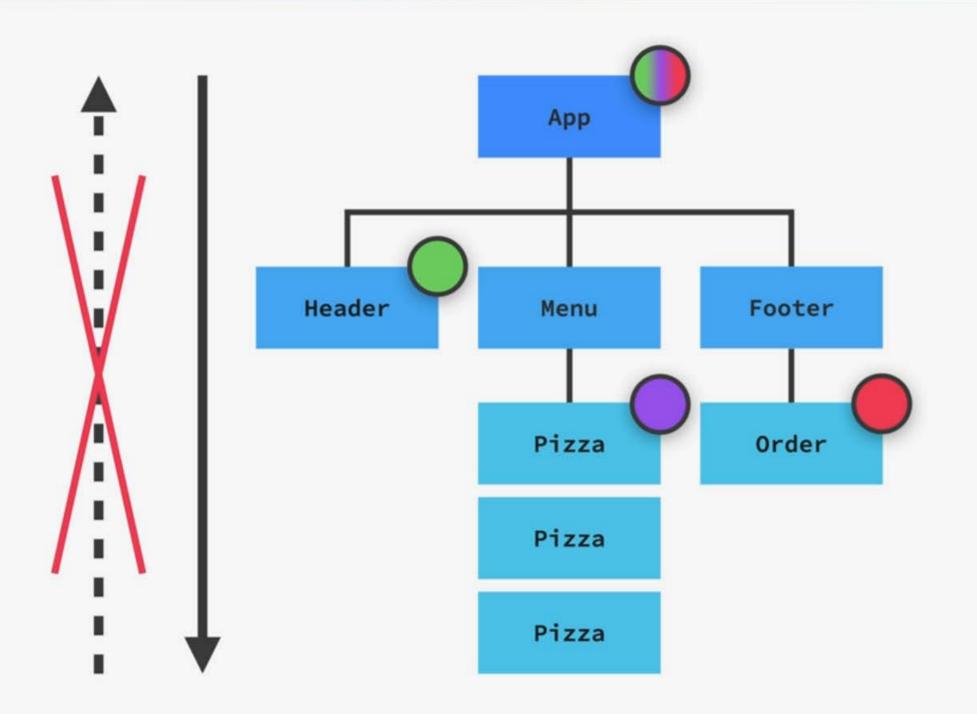










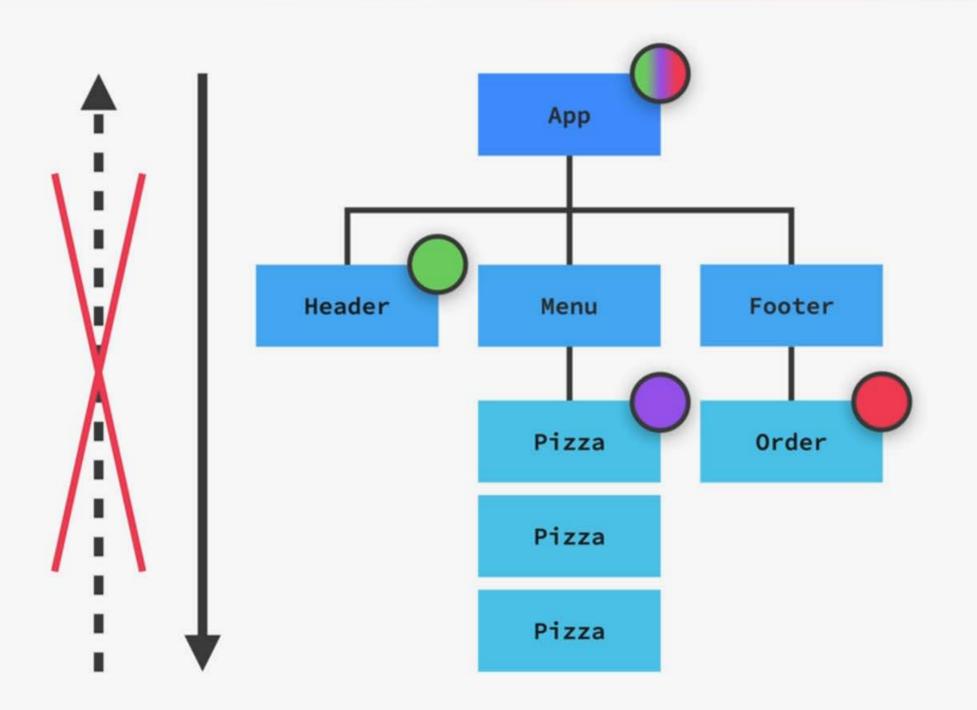


ONE-WAY DATA FLOW...



... makes applications more predictable and easier to understand





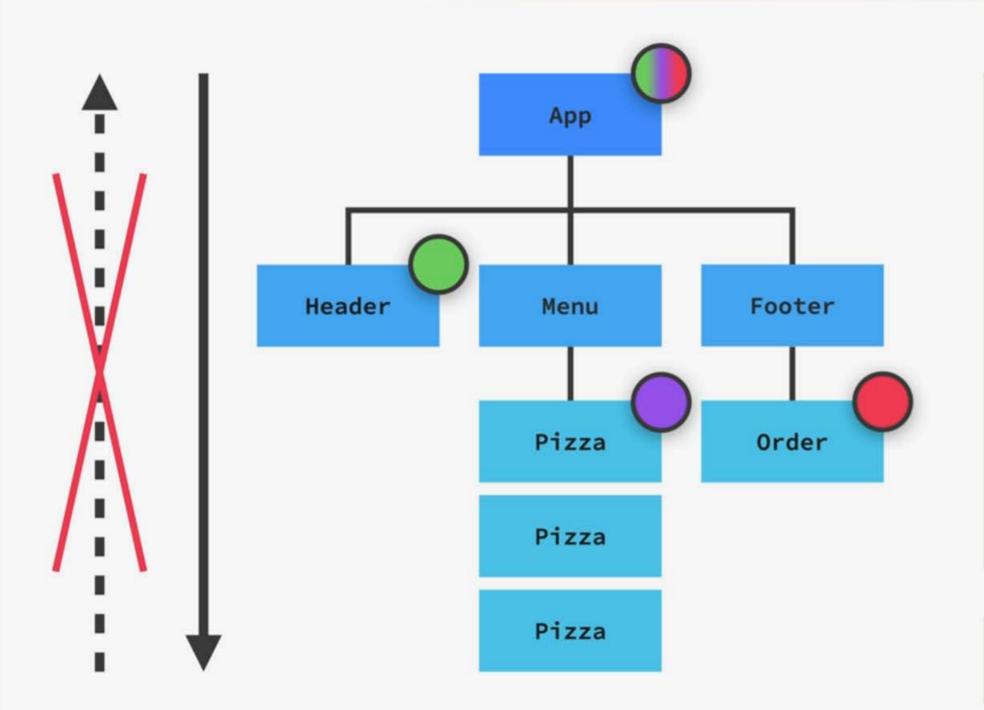
ONE-WAY DATA FLOW...

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... makes applications easier to debug, as we have more control over the data



Angular has two-way data flow



- ... makes applications more predictable and easier to understand
- ... makes applications easier to debug, as we have more control over the data
- 🖢 ... is more performant

