

What Is React?

Introduction



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Version Check



This course was created by using:
– React 19



Version Check



This course is 100% applicable to:

- React 16.8 -> React 19



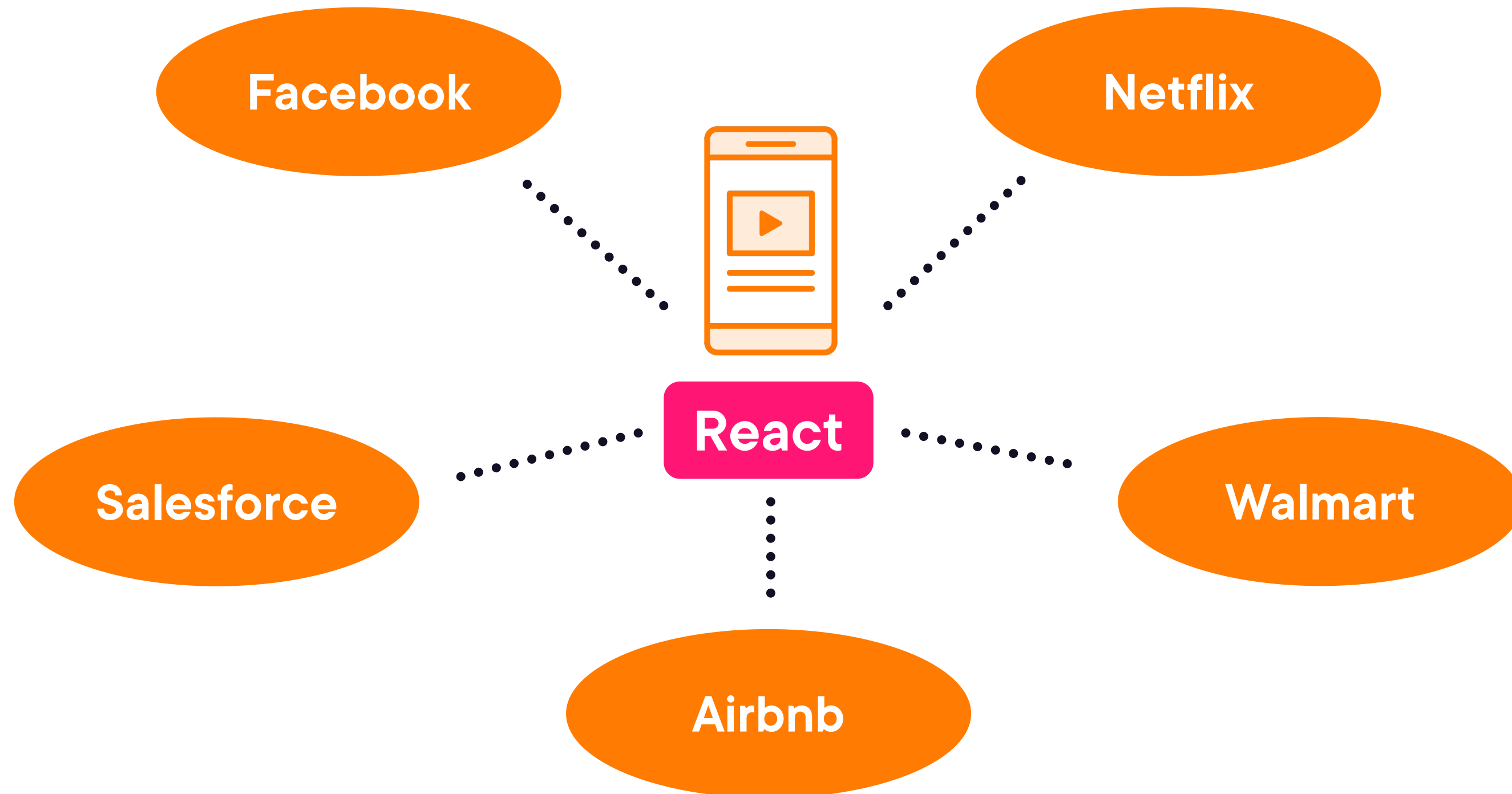
React History

**React was built by
Facebook as an open source
library**

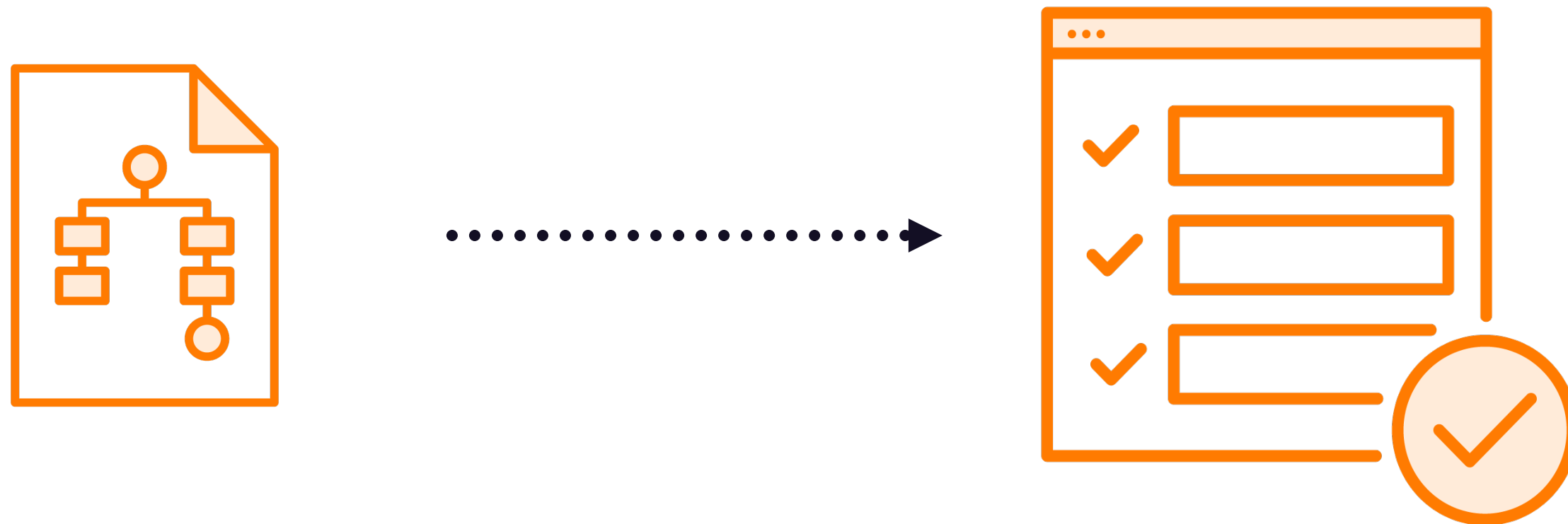
**Make rendering of
complex UIs fast and easy**



Apps Built with React



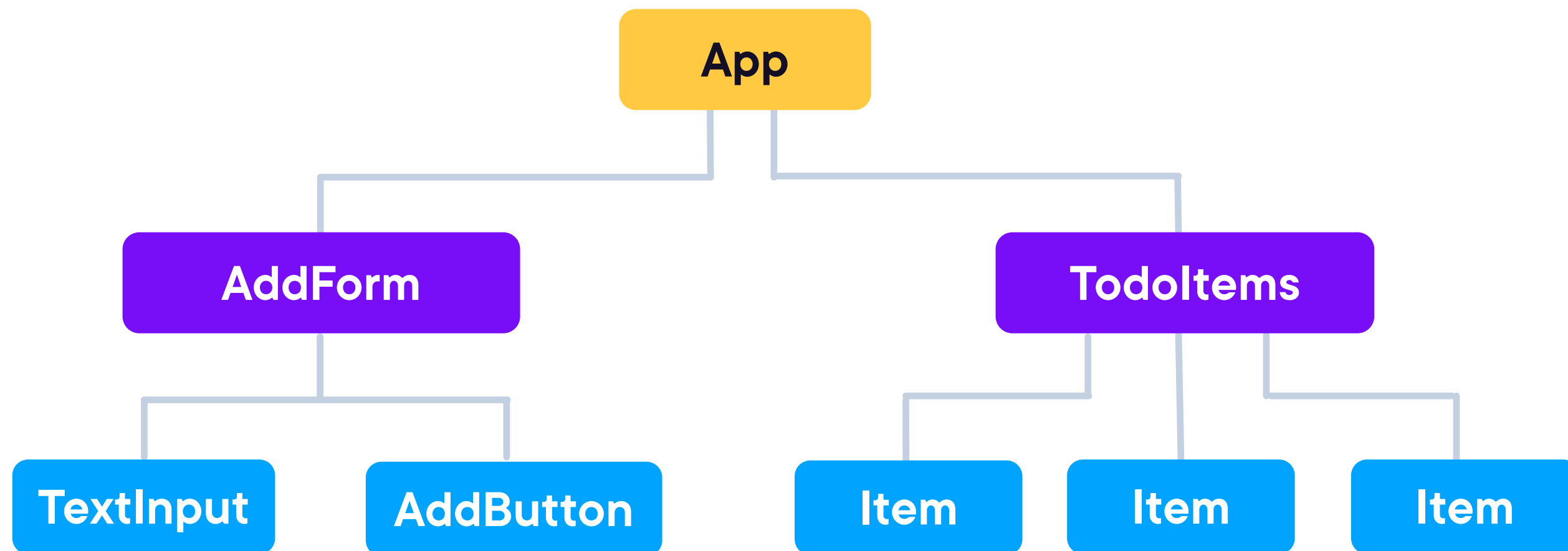
The React Component Model

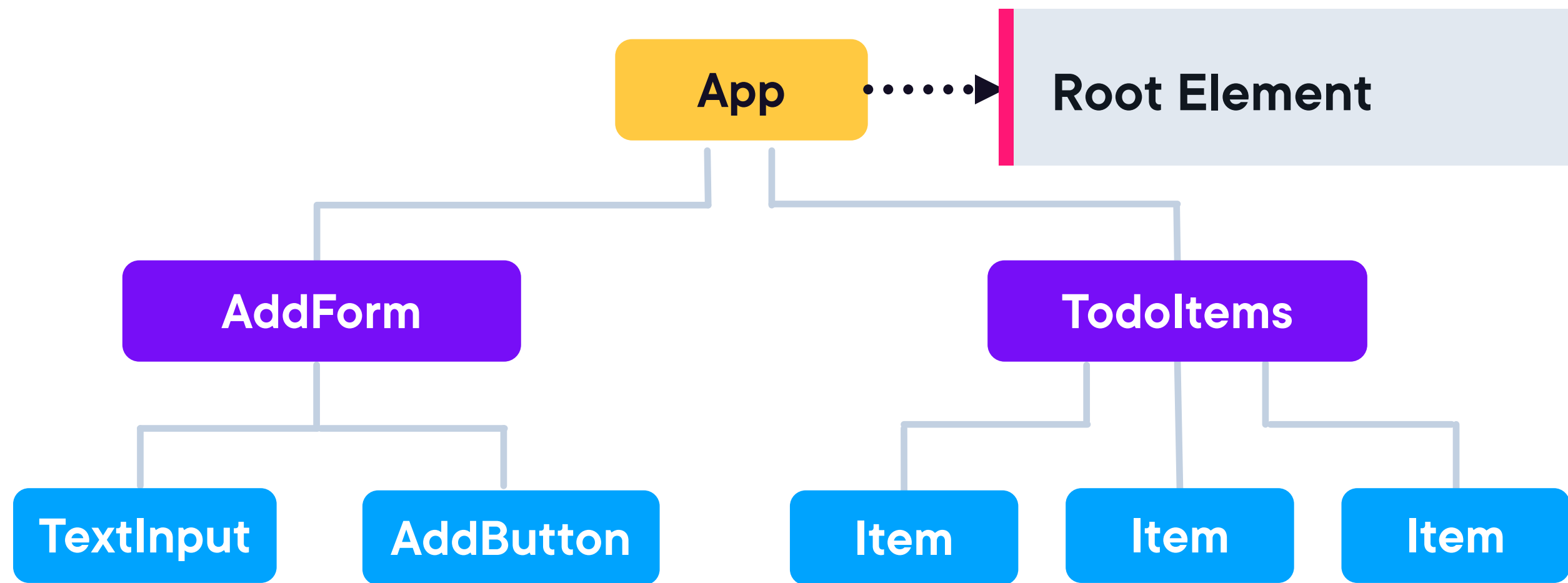


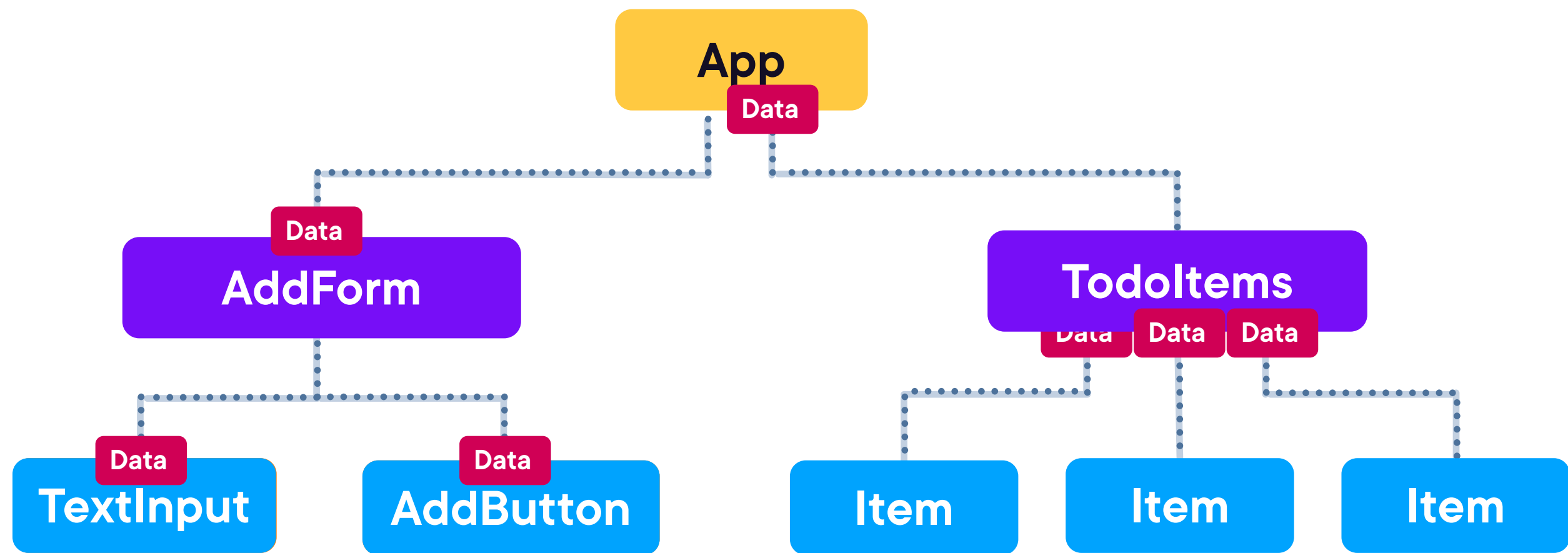
Instantly updates the browser on data changes

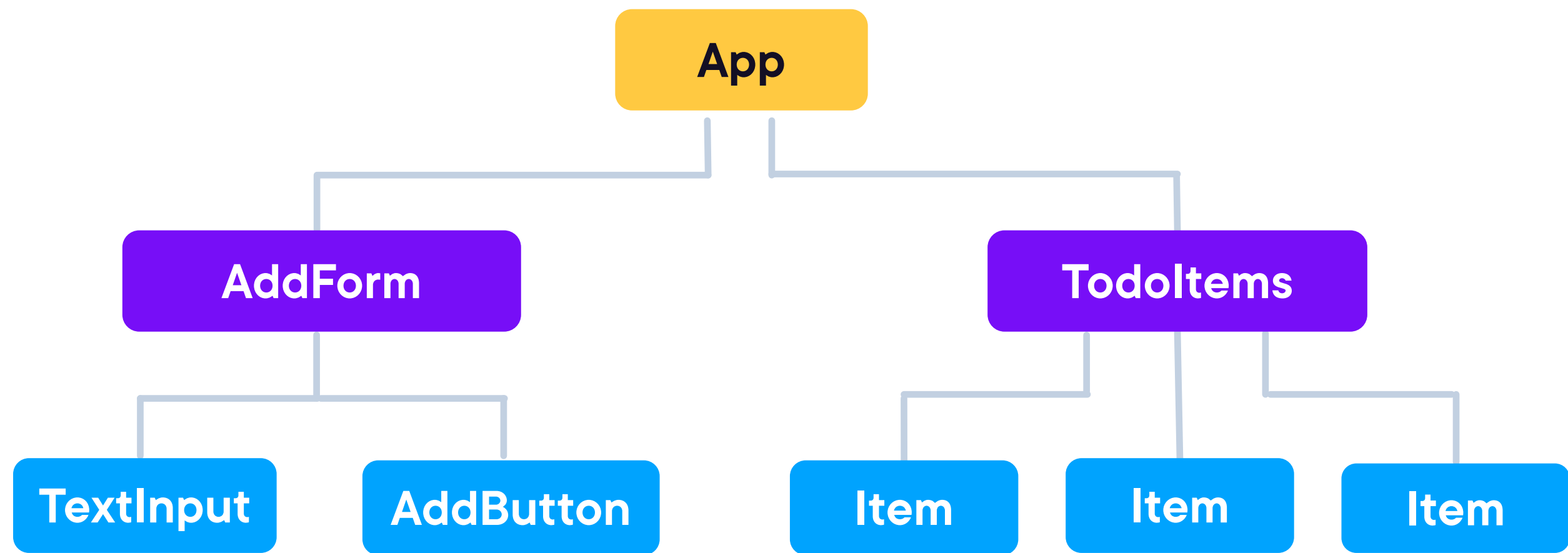


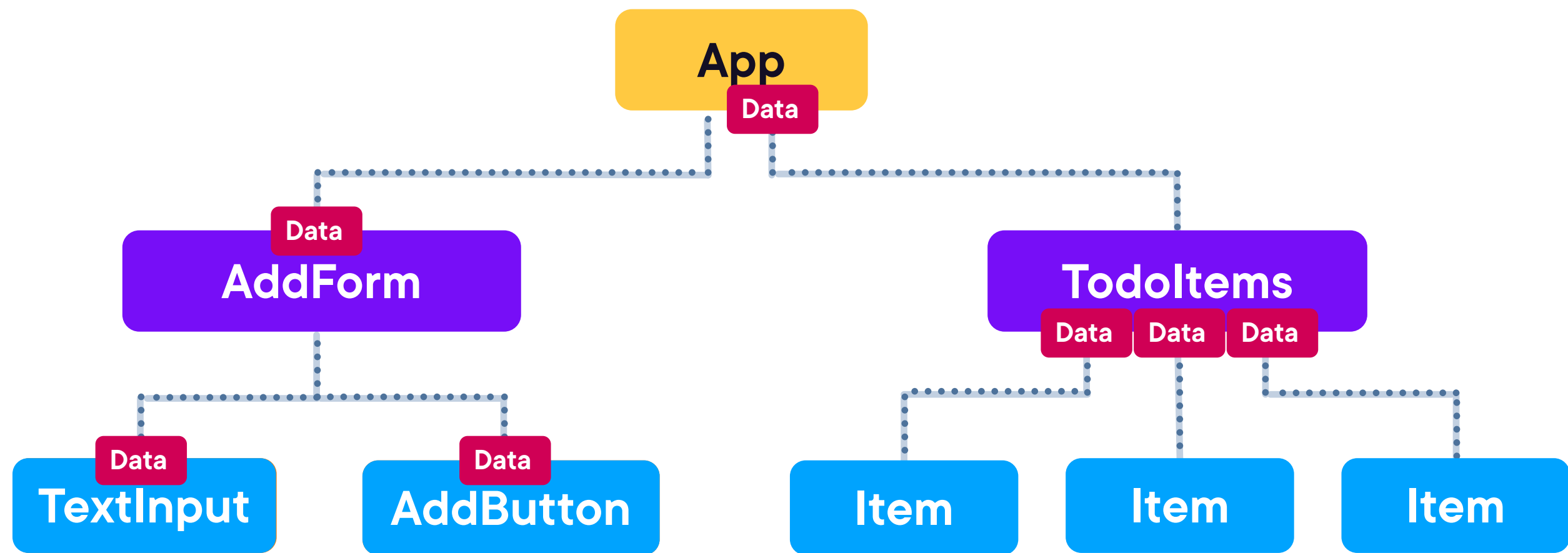
SCALED – REMOVE THIS SLIDE IN FINAL 1

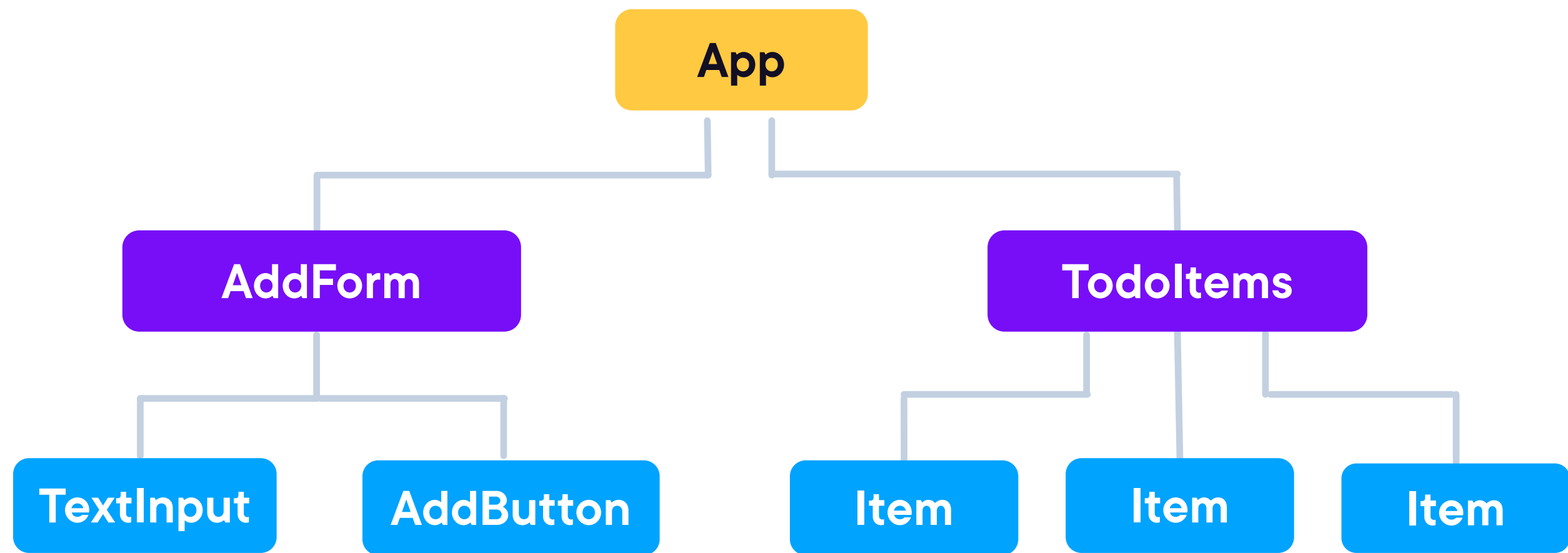


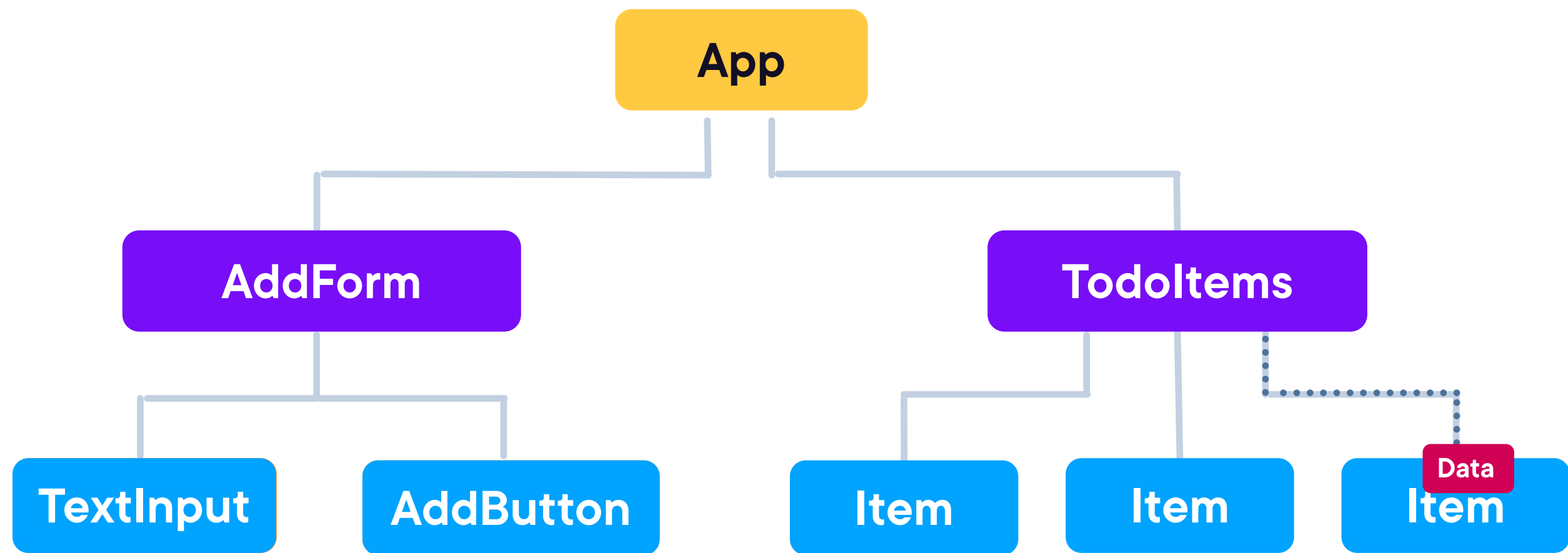












React Components



React Components

React Class

```
class App extends React.Component {  
  render()  
  {  
    return (  
      <div>  
        <b>Hello From Pluralsight!</b>  
      </div>  
    );  
  }  
}
```



React Components

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React Function

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React Components

React Function



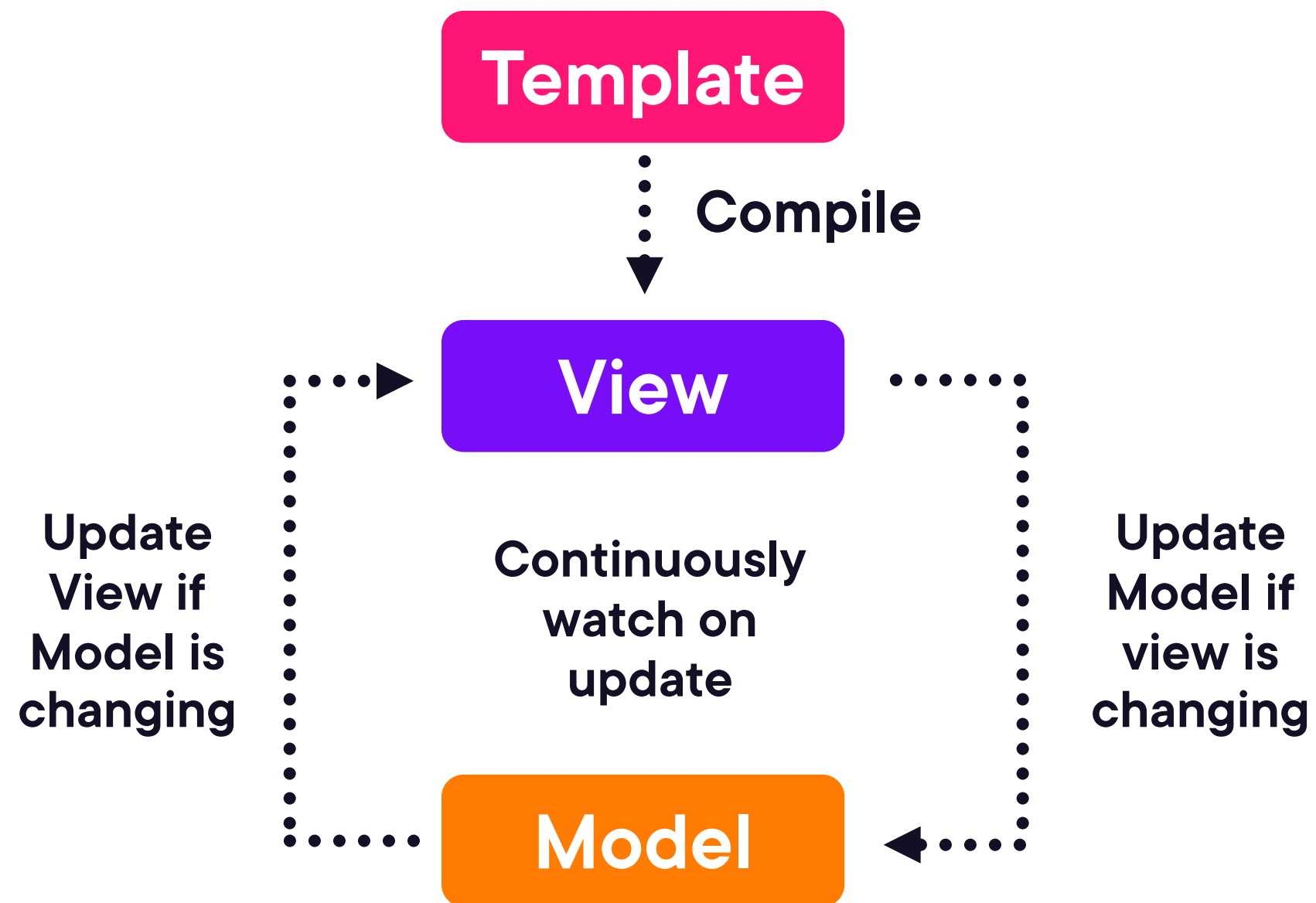
React Components

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Frameworks Prior to React That Used Two-way Data Binding

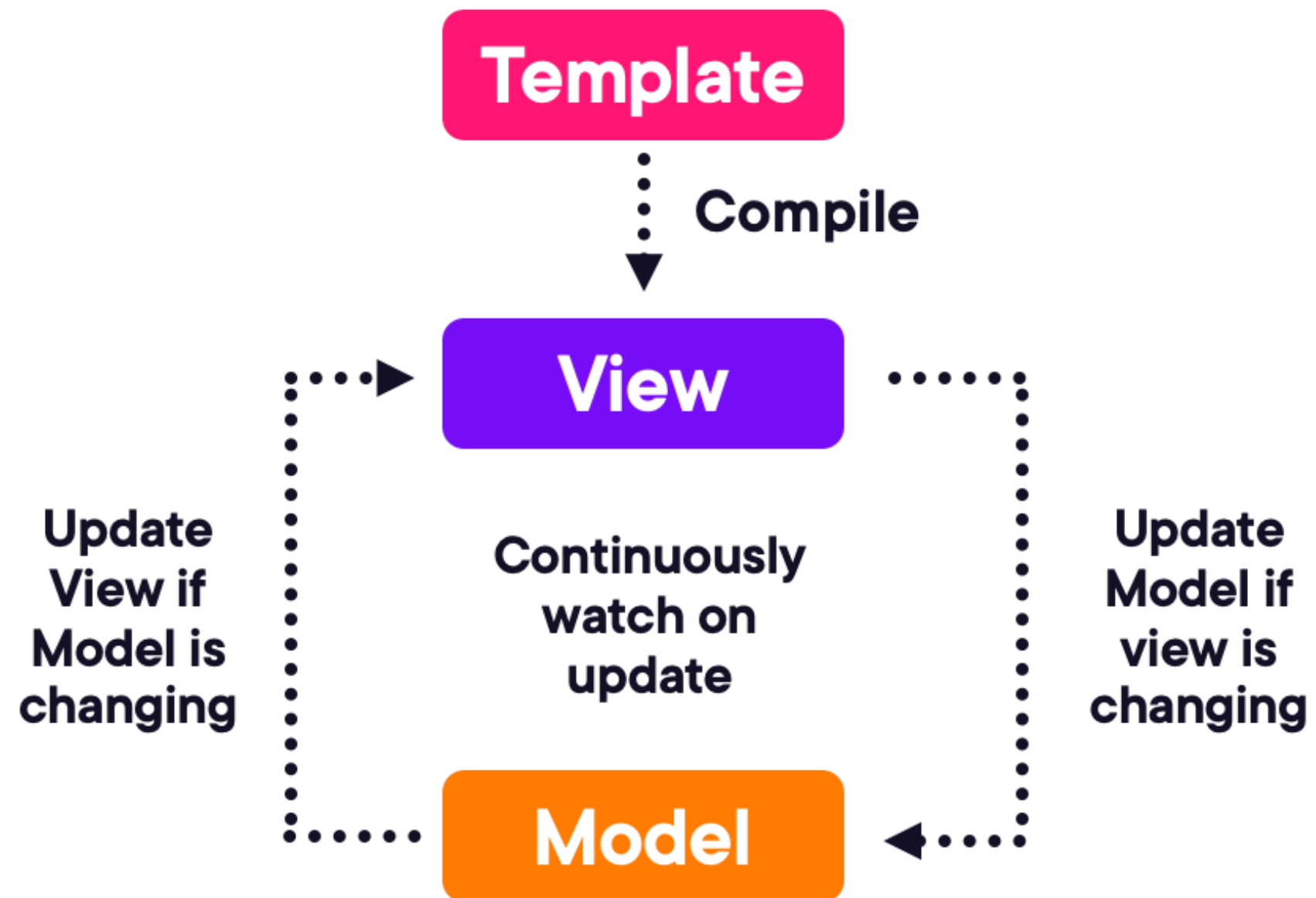


React Using One-way Data Binding

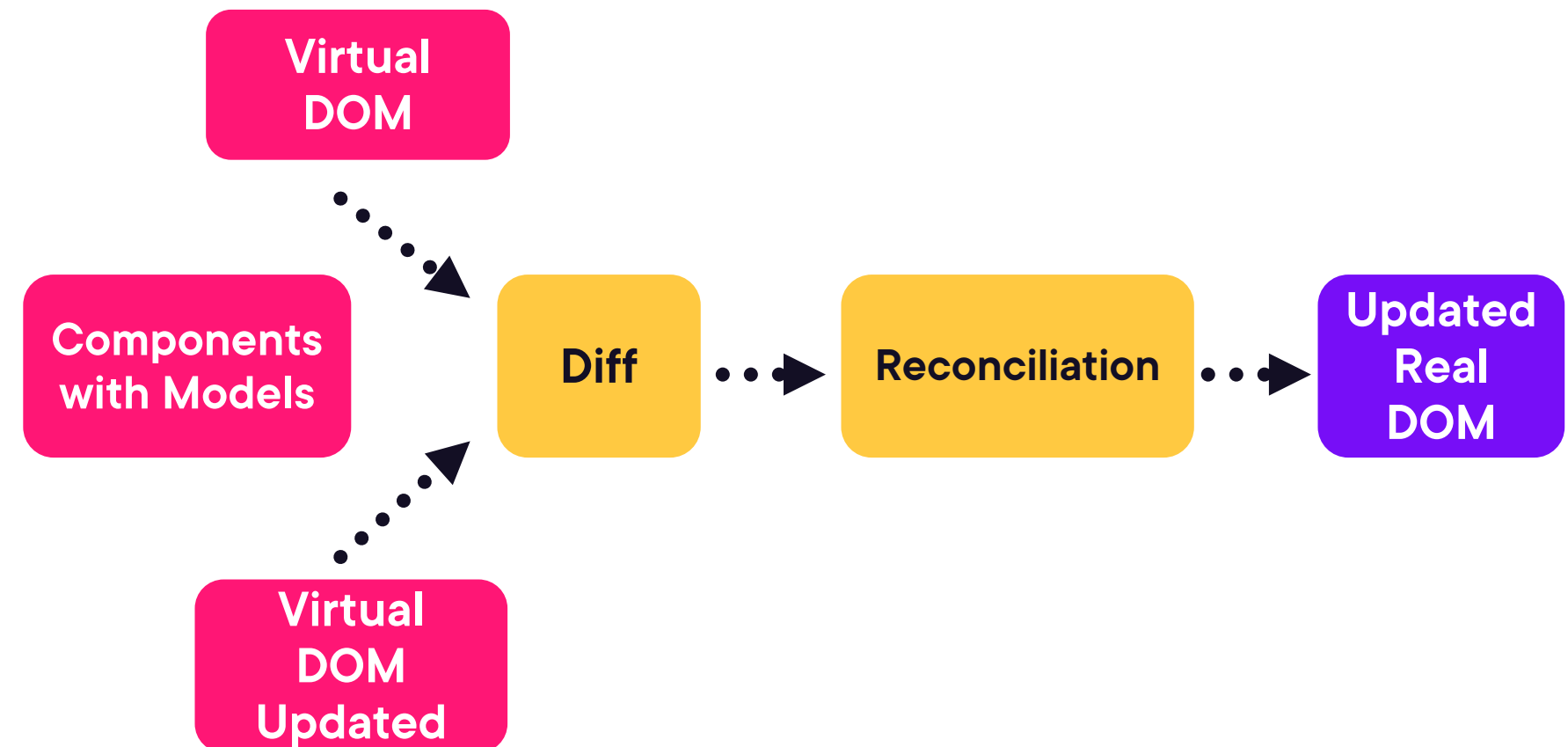
- No tight coupling between model and view
- Uses components with HTML view embedded
- React components link together to create a single Virtual DOM
- UI Updates only change the Virtual DOM
- Old and new Virtual DOM compared
- Real Browser DOM updated one time



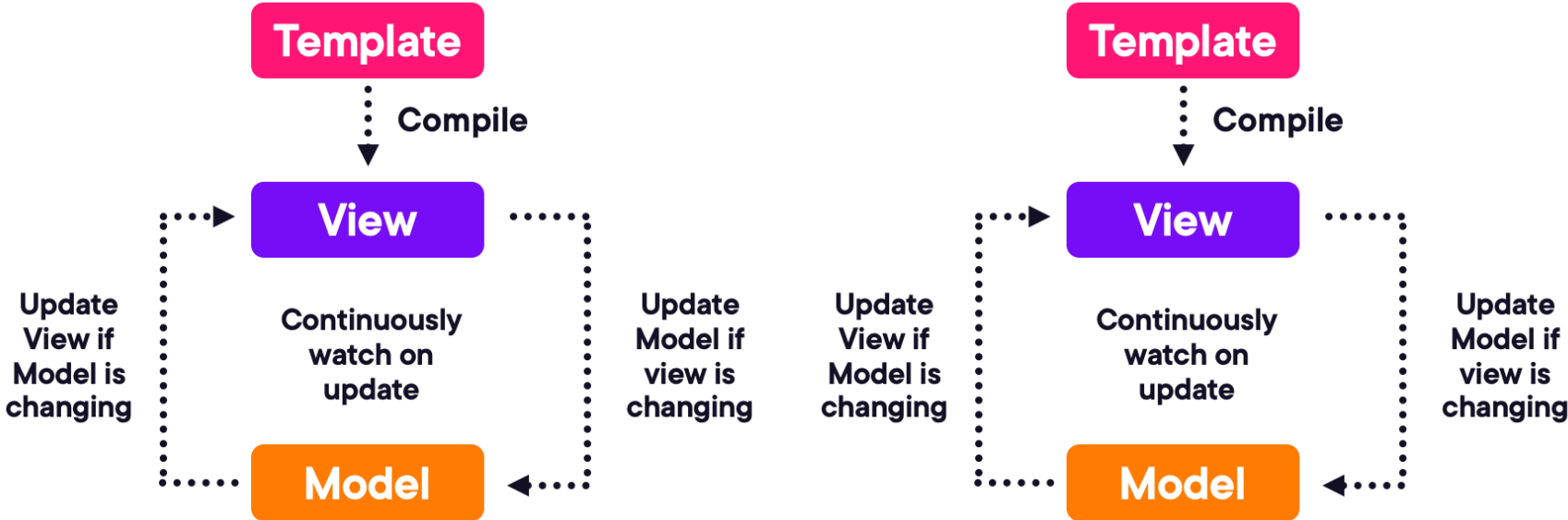
Frameworks Prior to React That Used Two-way Data Binding



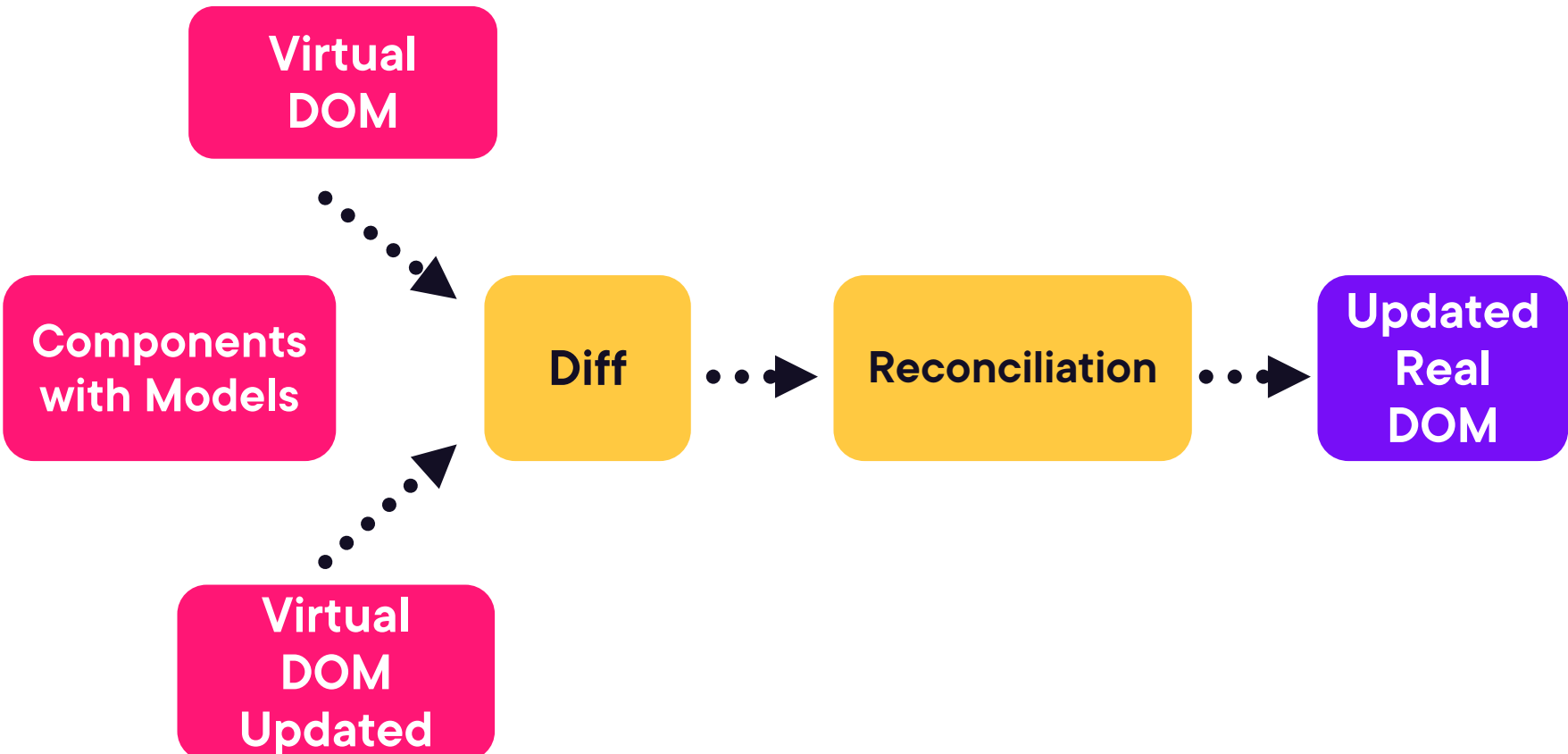
React Using One-way Data Binding



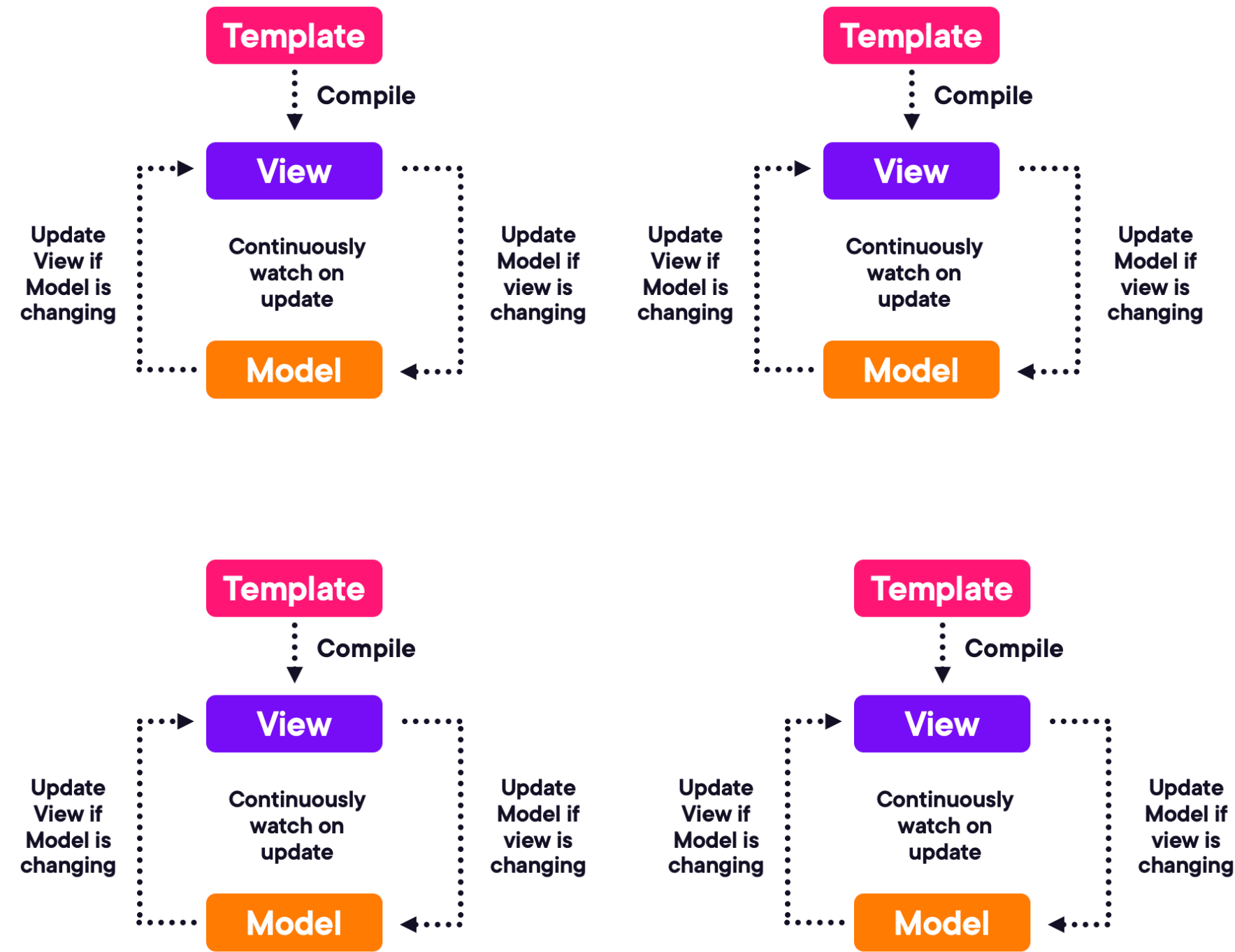
Frameworks Prior to React That Used Two-way Data Binding



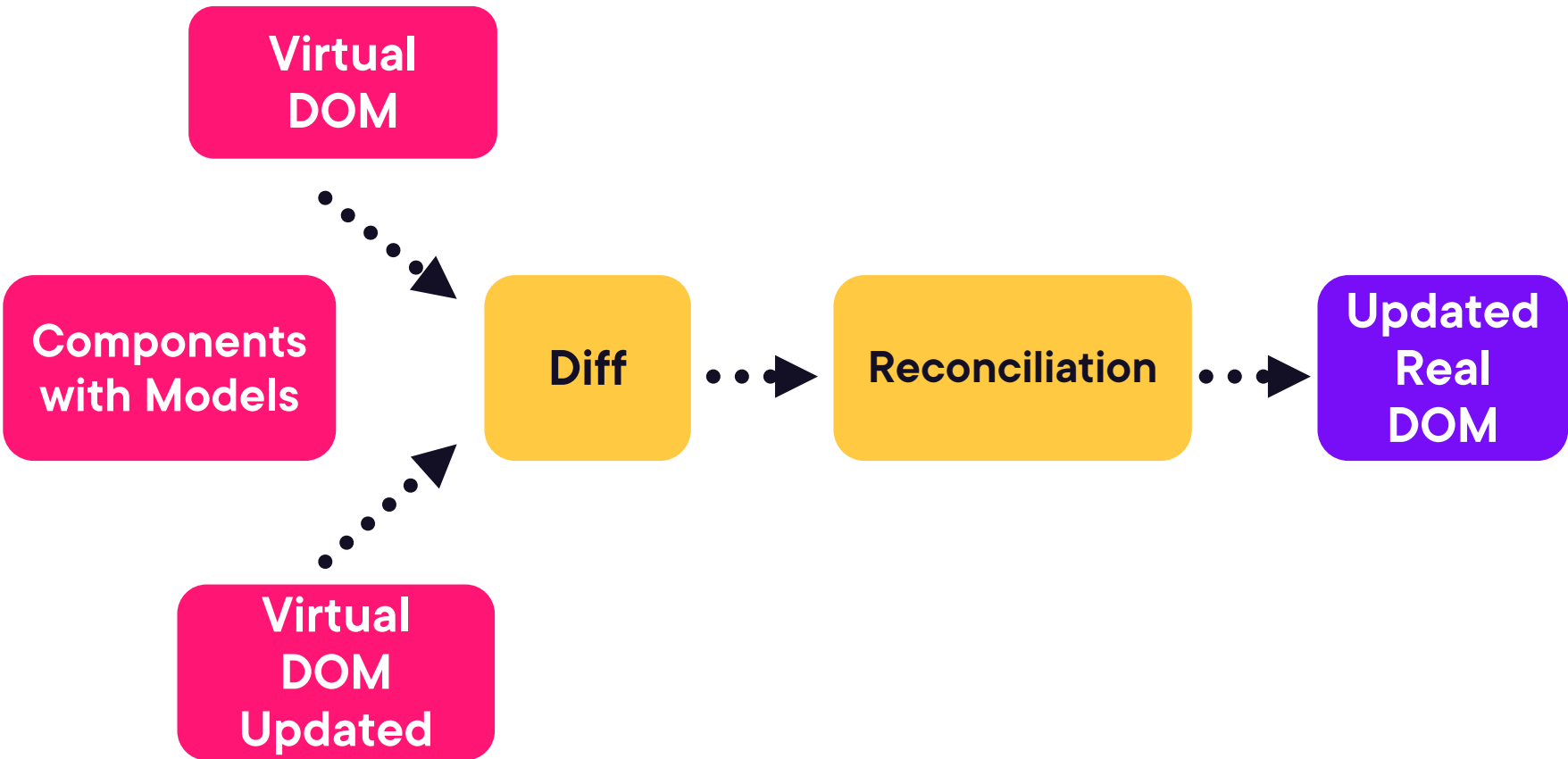
React Using One-way Data Binding



Frameworks Prior to React That Used Two-way Data Binding



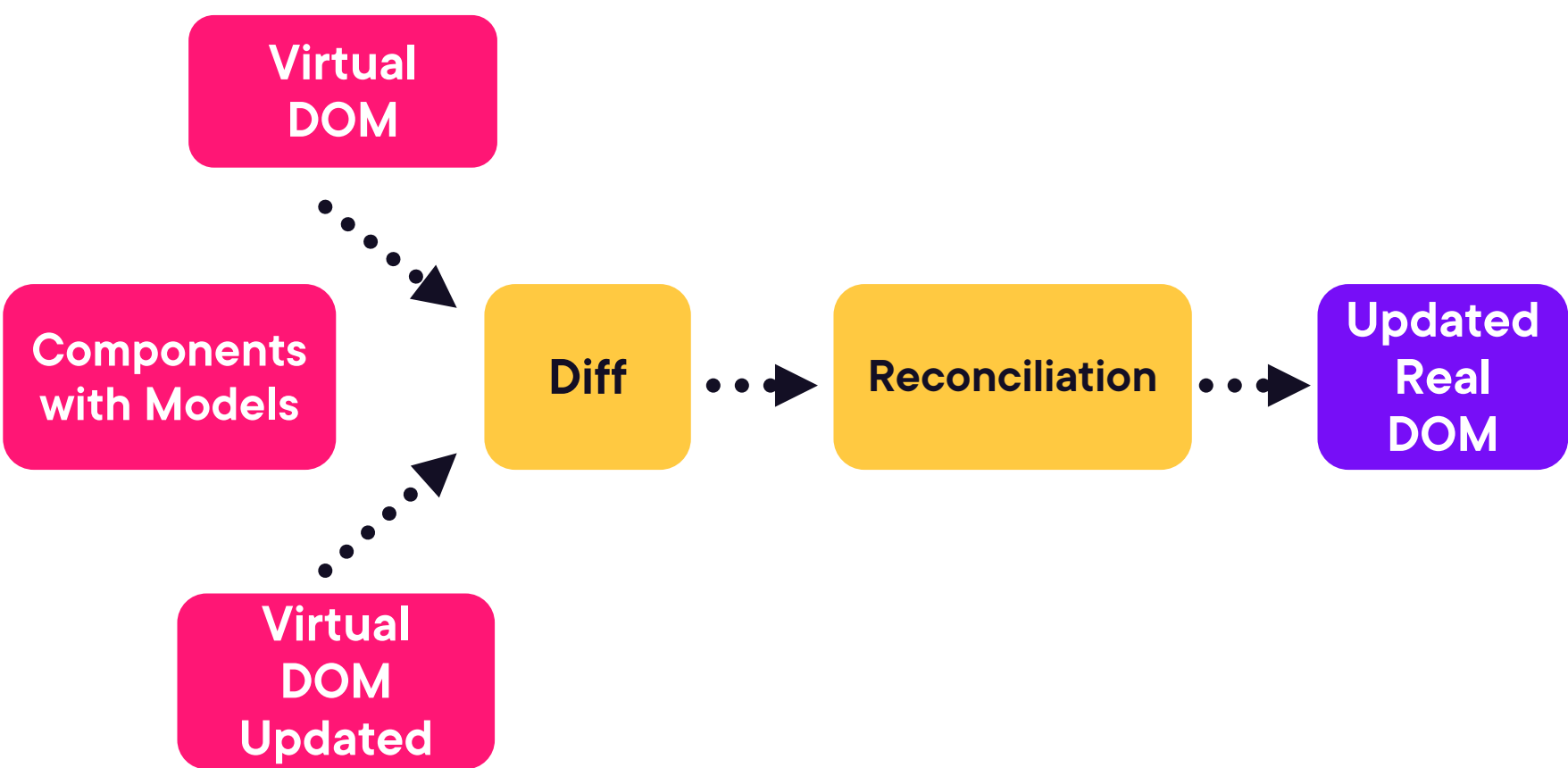
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Frameworks Prior to React That Used Two-way Data Binding



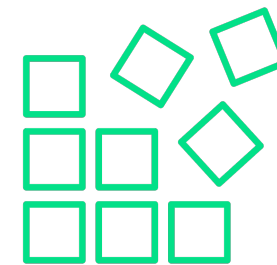
React Using One-way Data Binding



Course Expectations



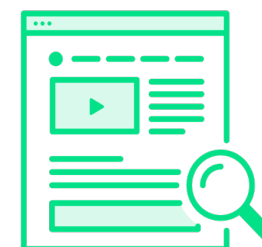
What is React?



Quickly learn to assemble components



Help developers



Learn what React does for you



Great UI experience



Understand magic



What We Will Cover



What it means that React is a single-page app (SPA)



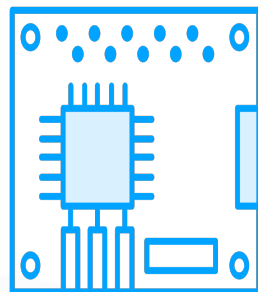
How JSX helps build the app's component tree



How components pass data between each other



What makes a React app reactive



How component state works in React apps

