

What is React

Introduction



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Version Check



This version was created by using:

- React 18



Version Check



This course is 100% applicable to:

- React 16.8 and higher



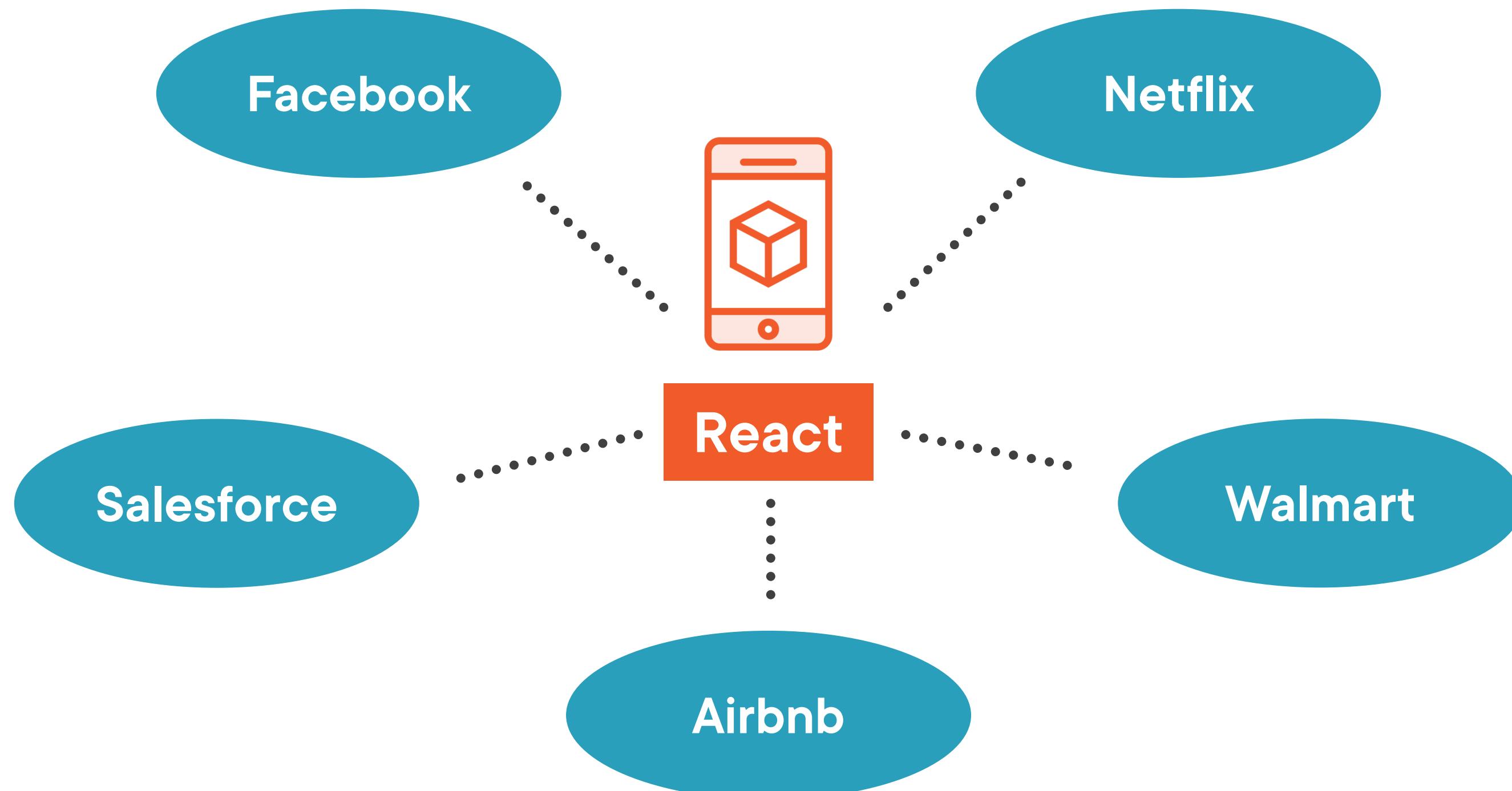
React History

**React was built by
Facebook as an Open Source**

**Make rendering of
complex UI's fast and easy**



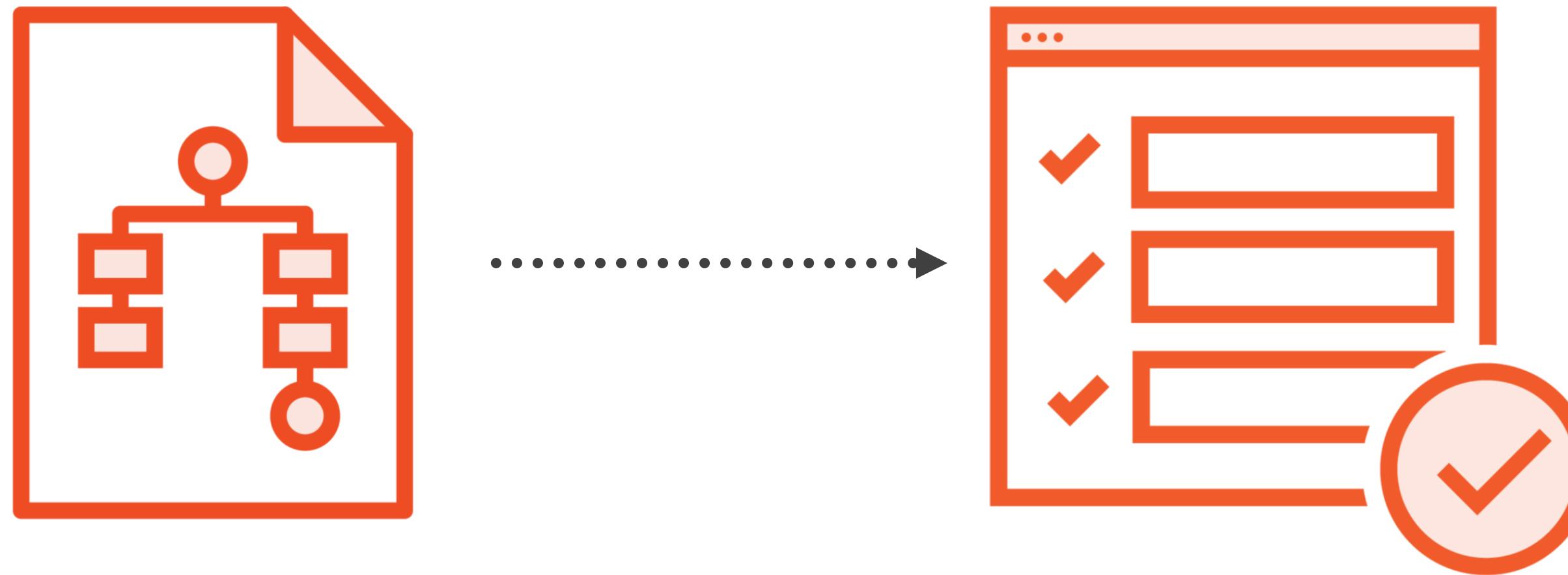
Apps Built with React





Over 7 million websites are built with React!

The React Component Model

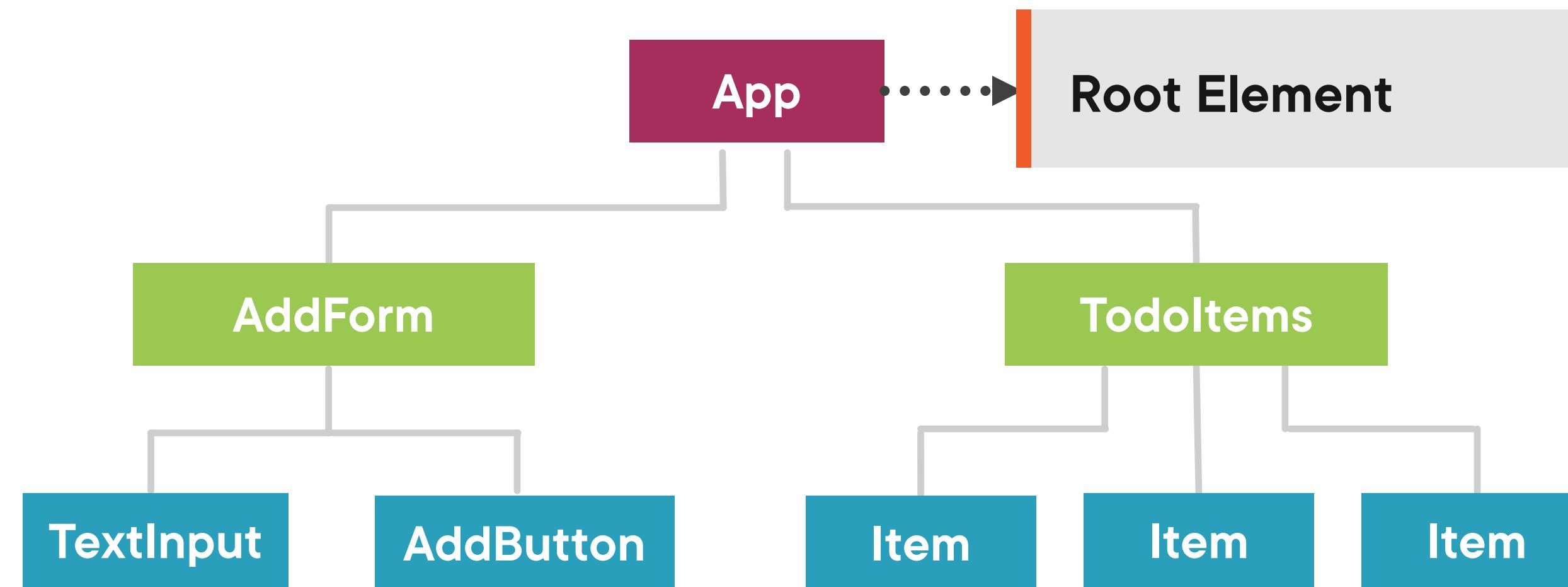


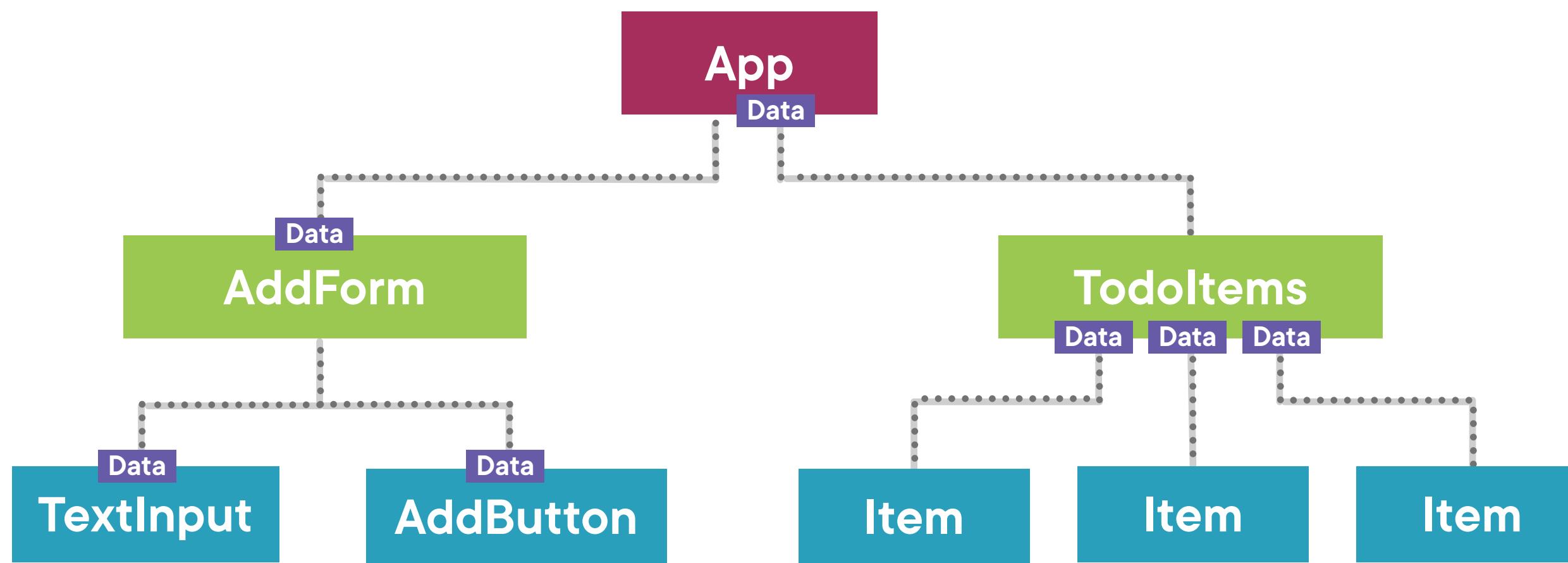
Instantly updates the browser on data changes

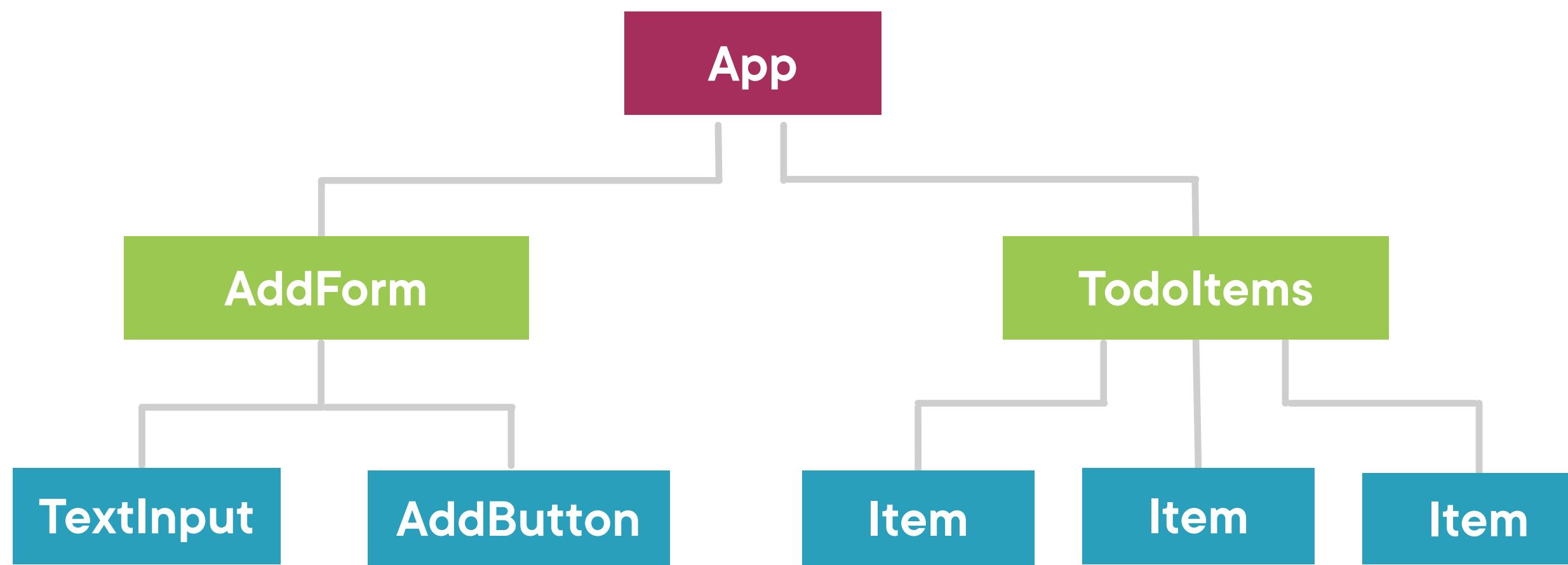


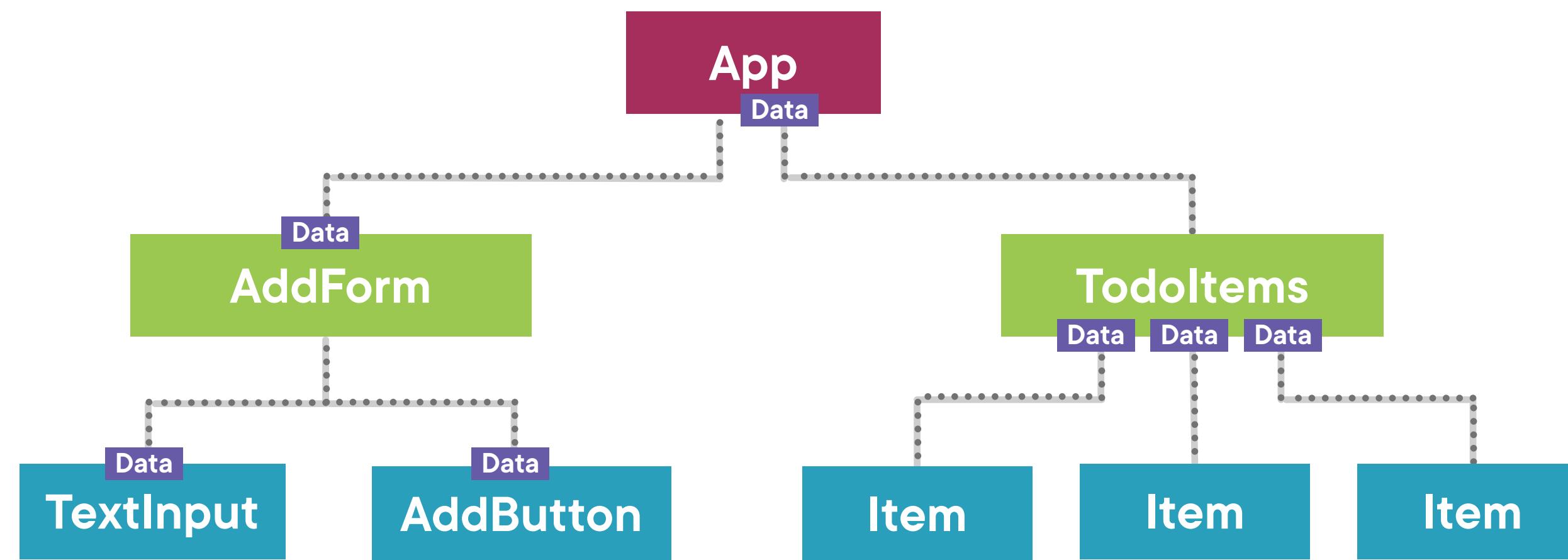
React Component Tree and the UI Interactions

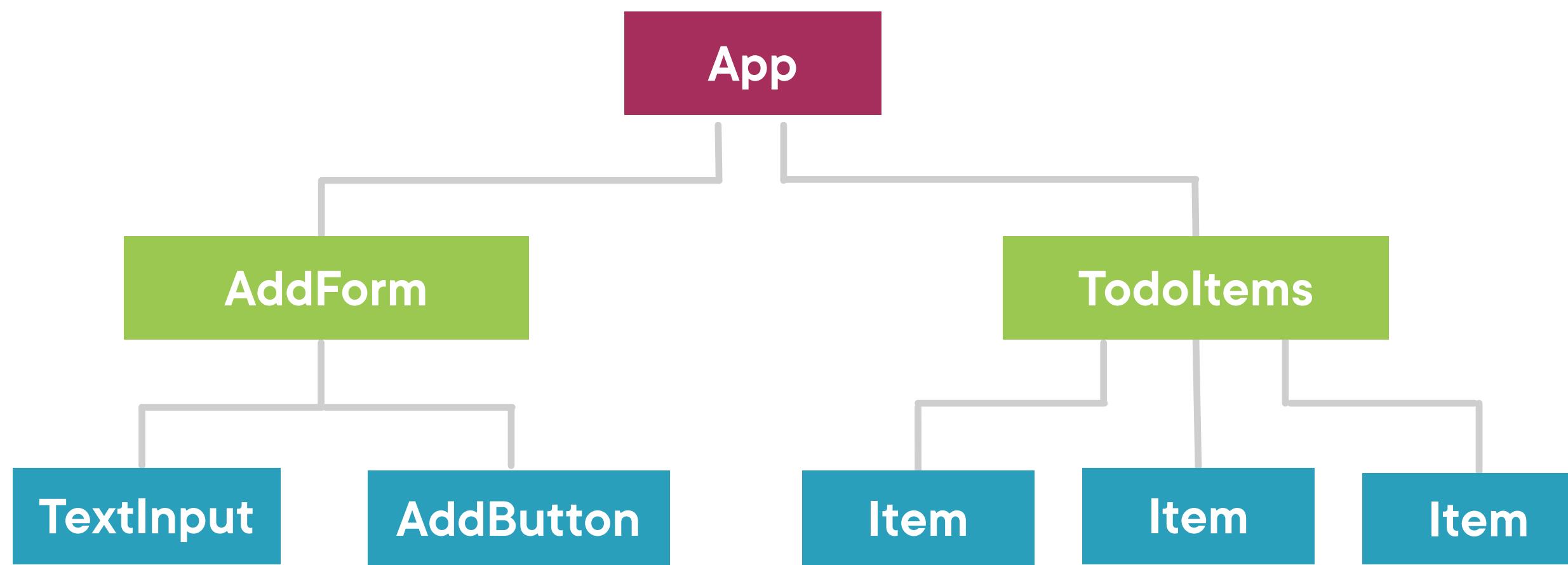


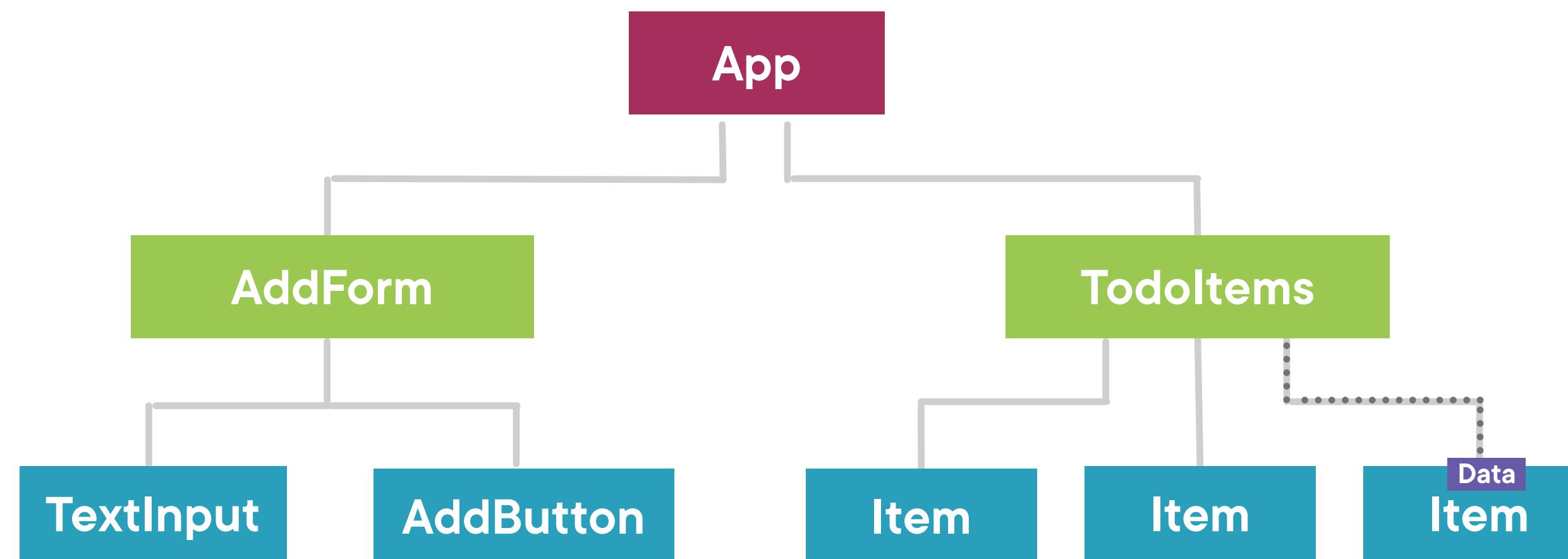




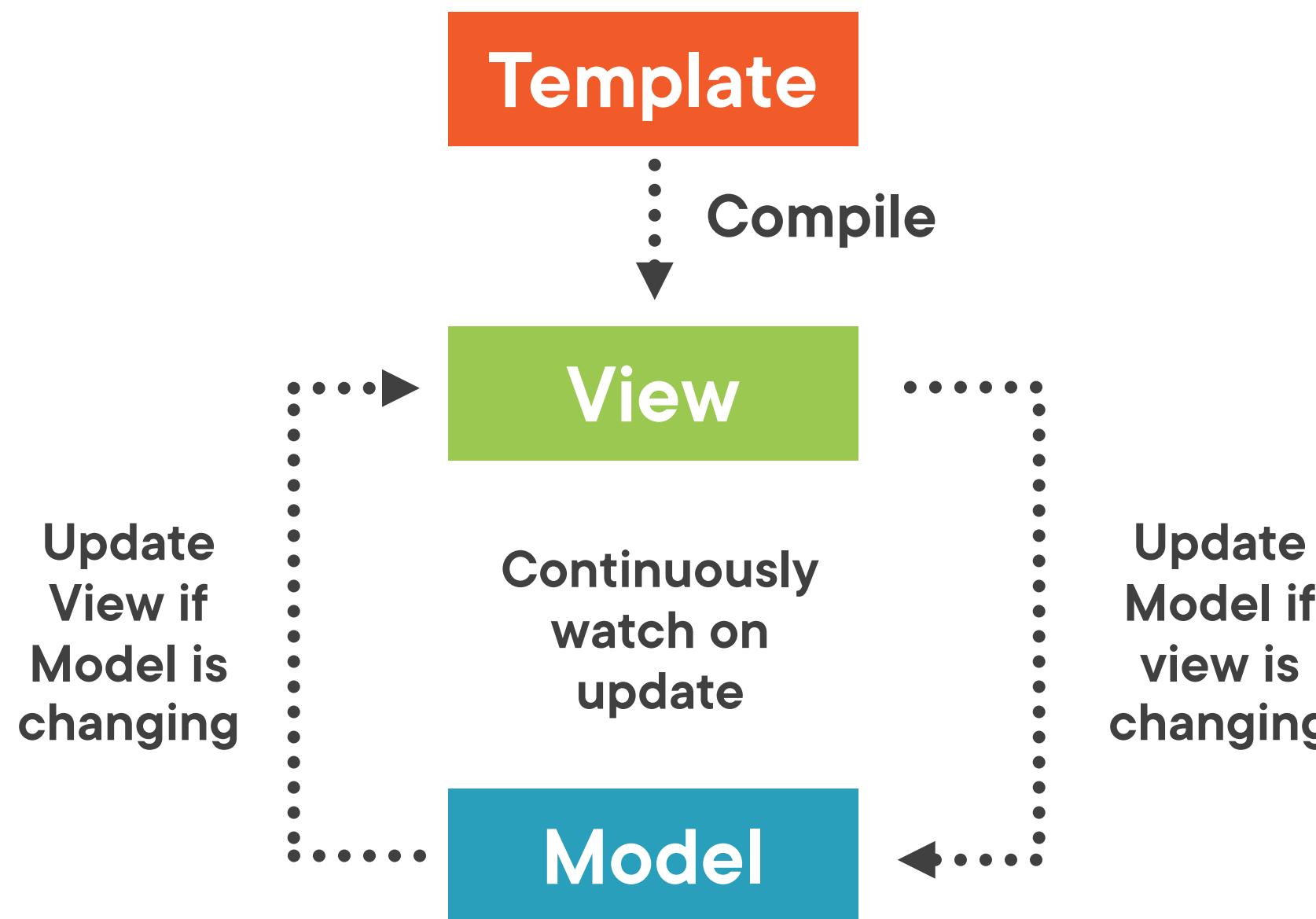








Existing frameworks prior to React that used two-way data binding

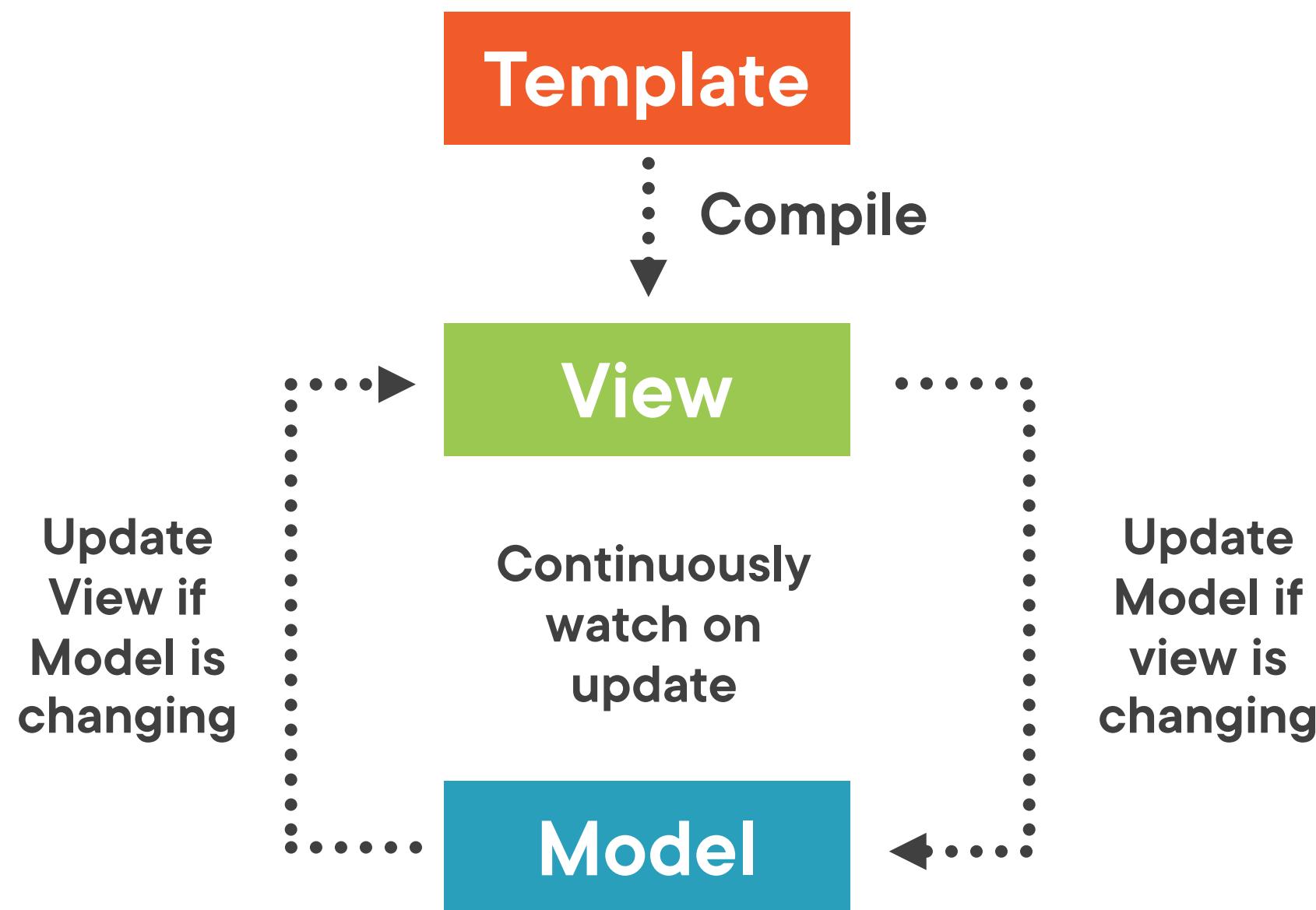


React using one-way data binding

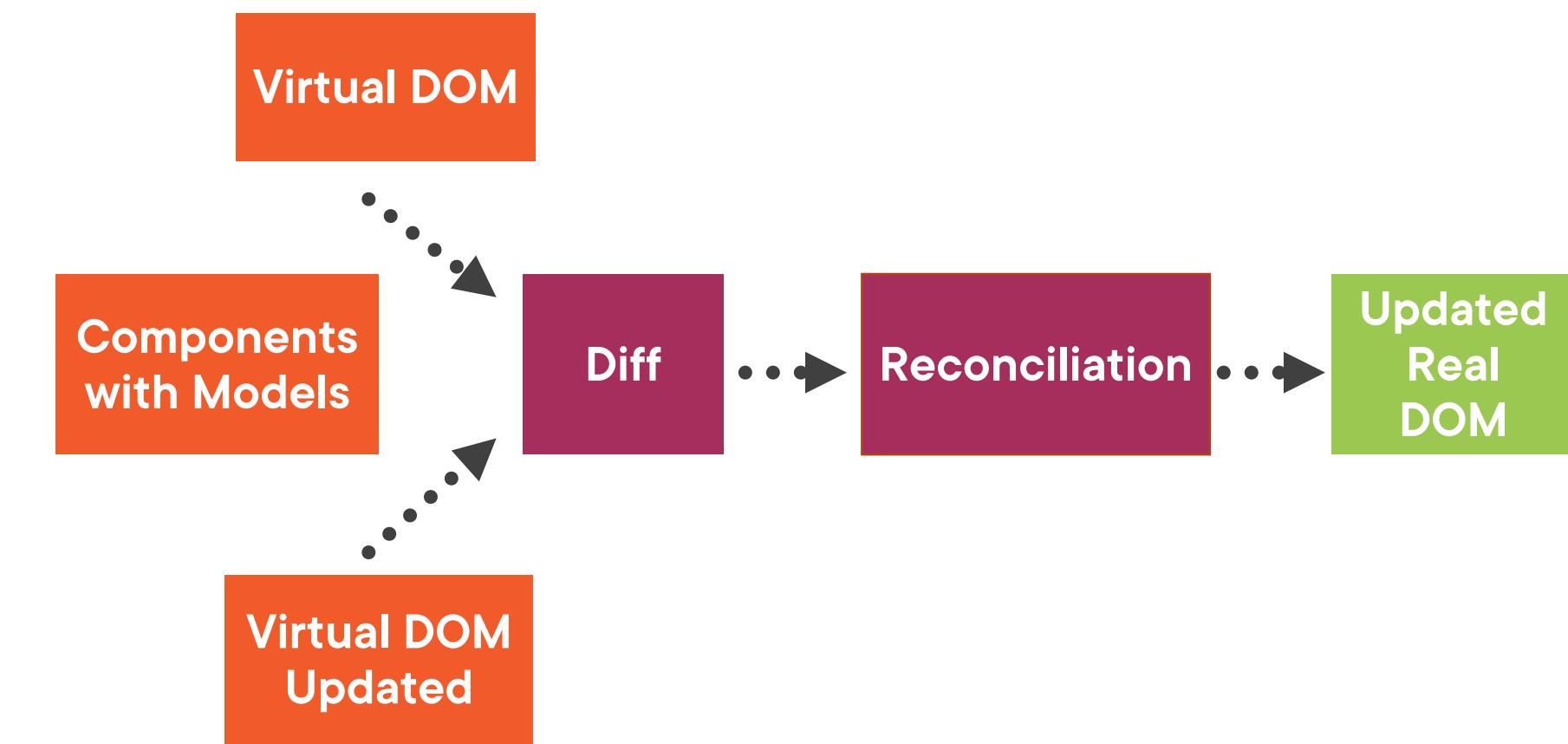
- No tight coupling between model and view
- Uses components with HTML view embedded
- React components link together to create a single Virtual DOM
- UI Updates only change the Virtual DOM
- Old and new Virtual DOM compared
- Real Browser DOM updated one time



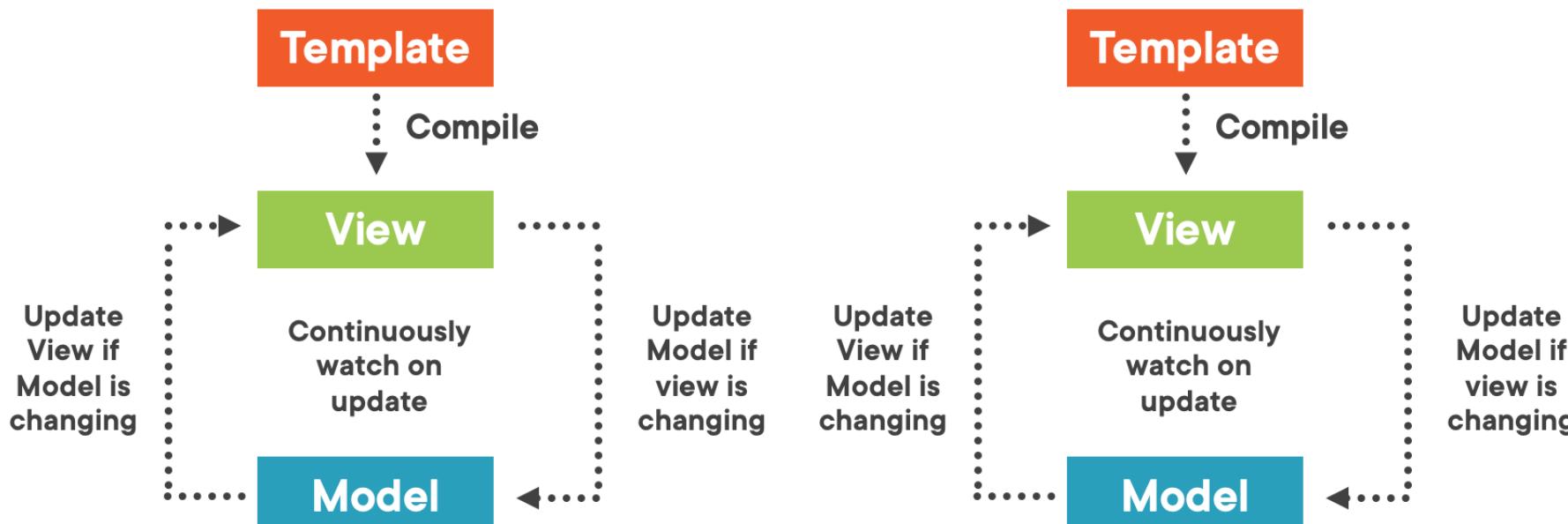
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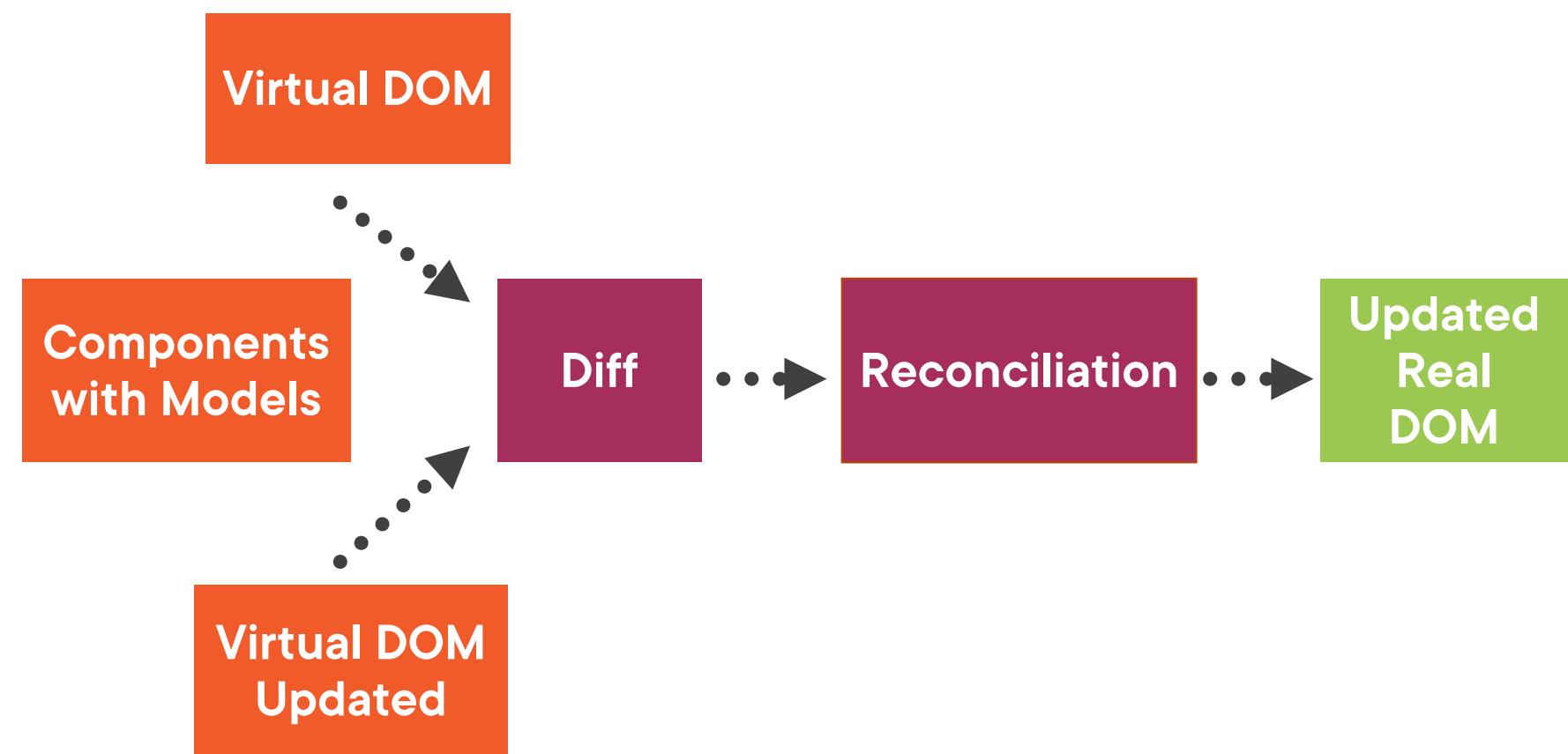
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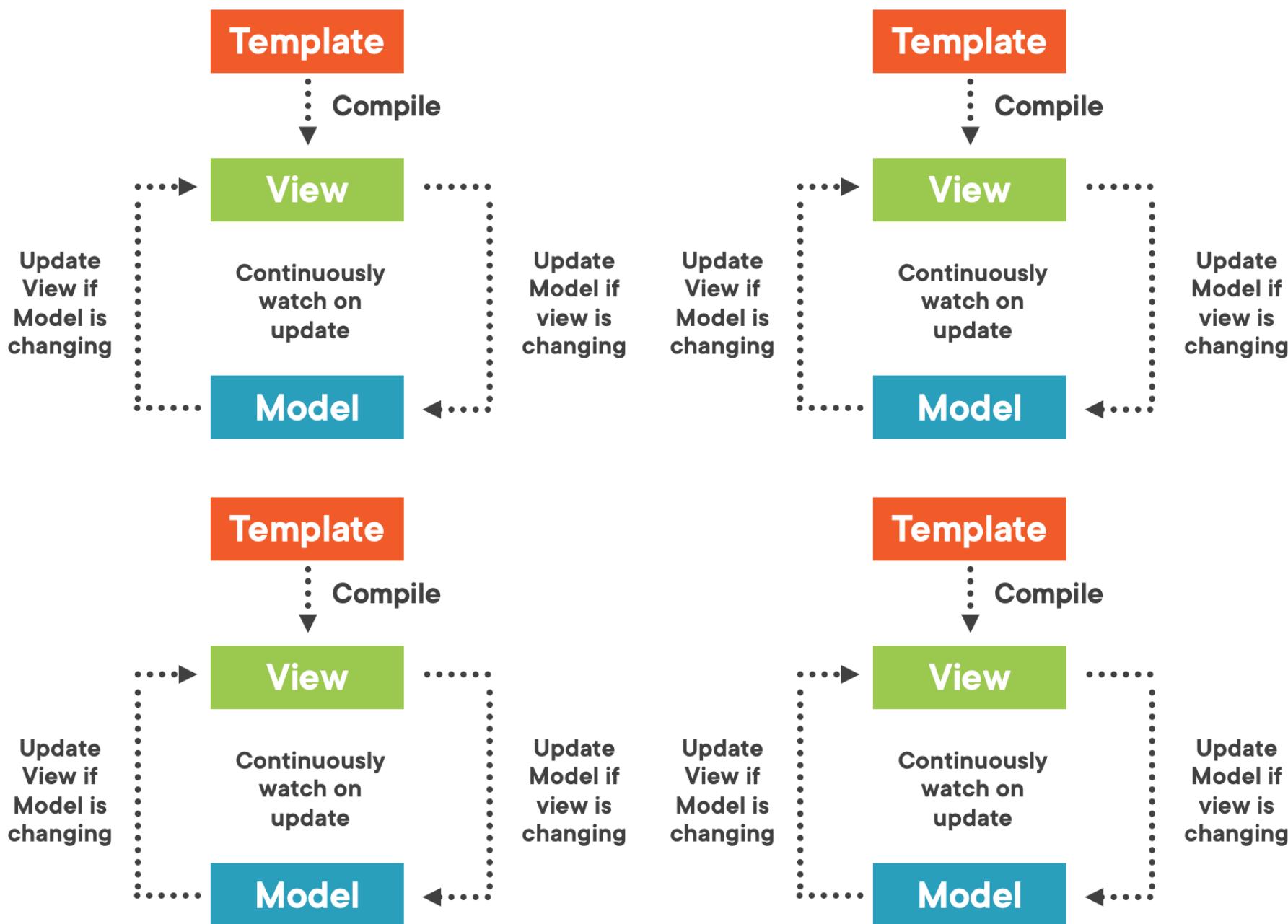
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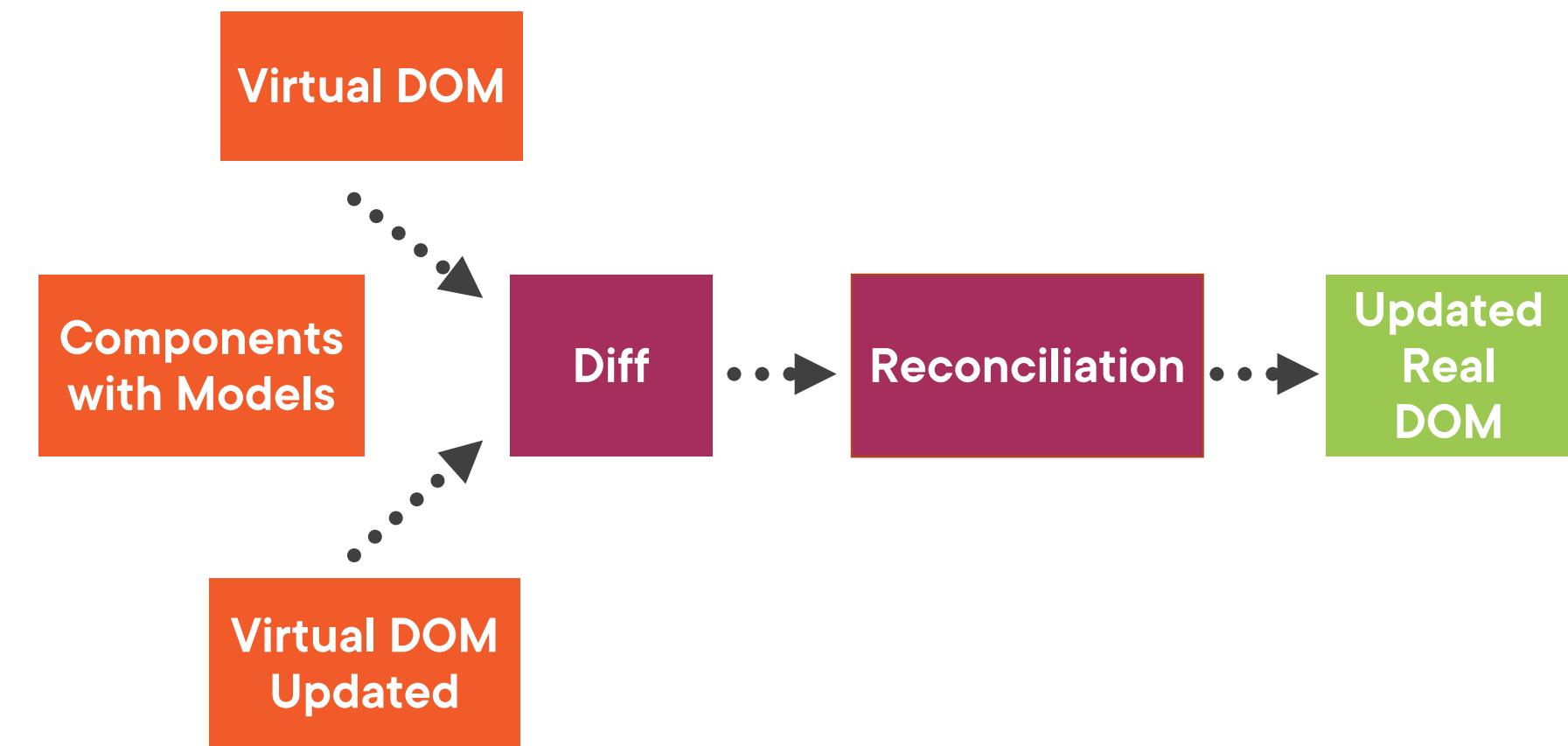
React using one-way data binding



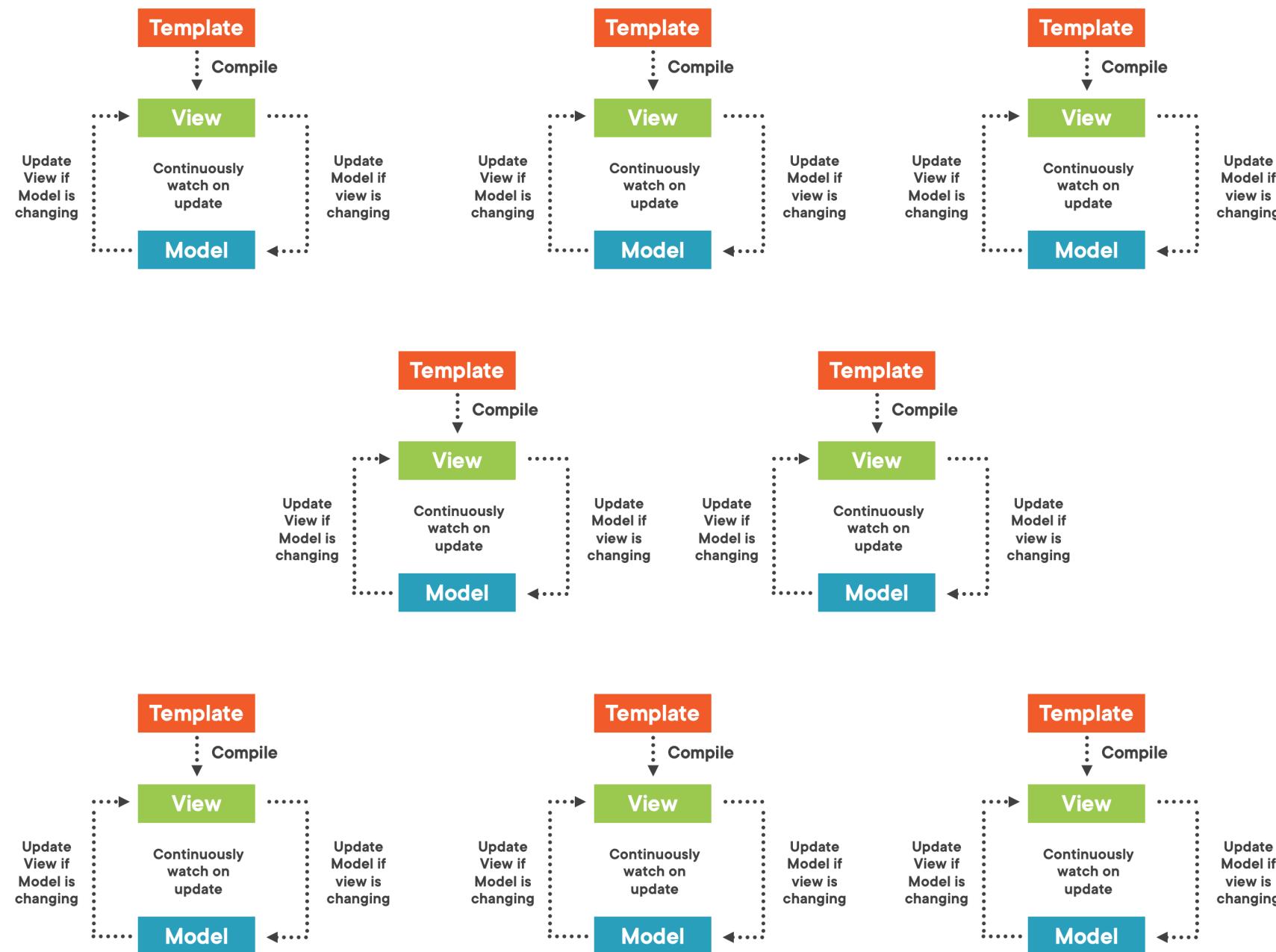
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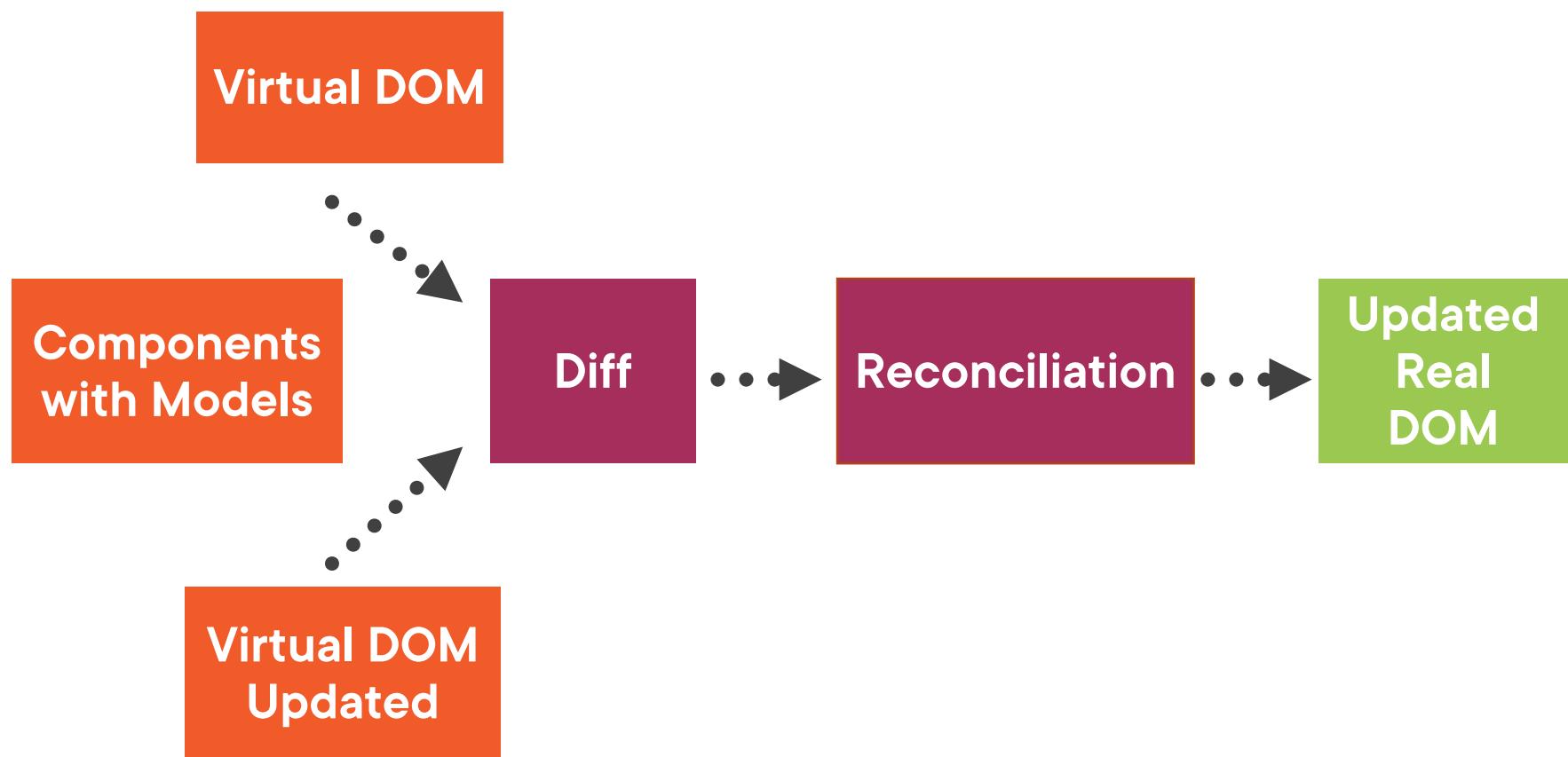
React using one-way data binding



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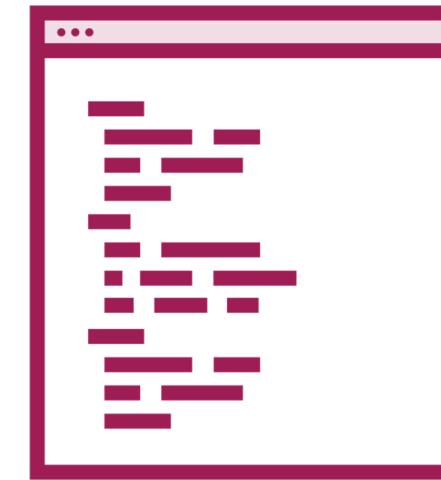
React using one-way data binding



Course Expectations



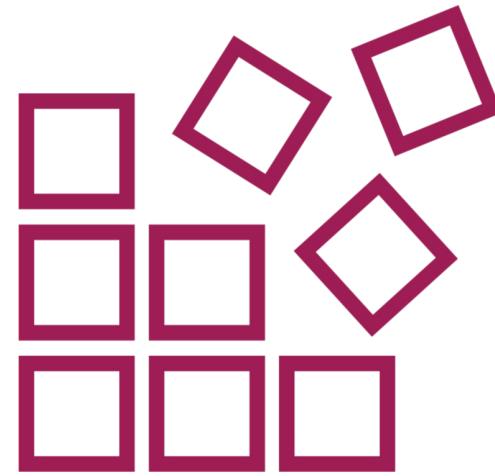
What is React



Helps developers



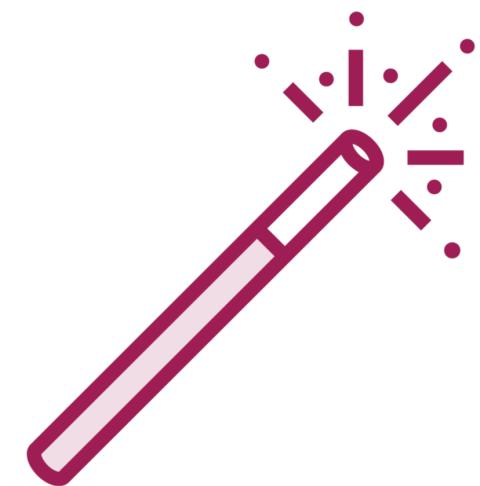
Great UI experience



**Quickly learn to
assemble components**



**Learn what React
does for you**



**Understand
the magic**



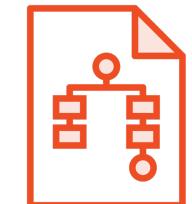
What We Will Cover



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

