Keynote

- The goal of React has always been to easily build a great User Experience.
  - Fast startup
  - Responsive interactions
  - Delightful extras and polish
- To make it dramatically easier, we need to focus on the Developer Experience.
  - Low barrier to entry for basic features and sophisticated UI
  - High productivity
  - Ability to scale
- Agenda
  1. State of React
  2. React 19
  3. What's Next

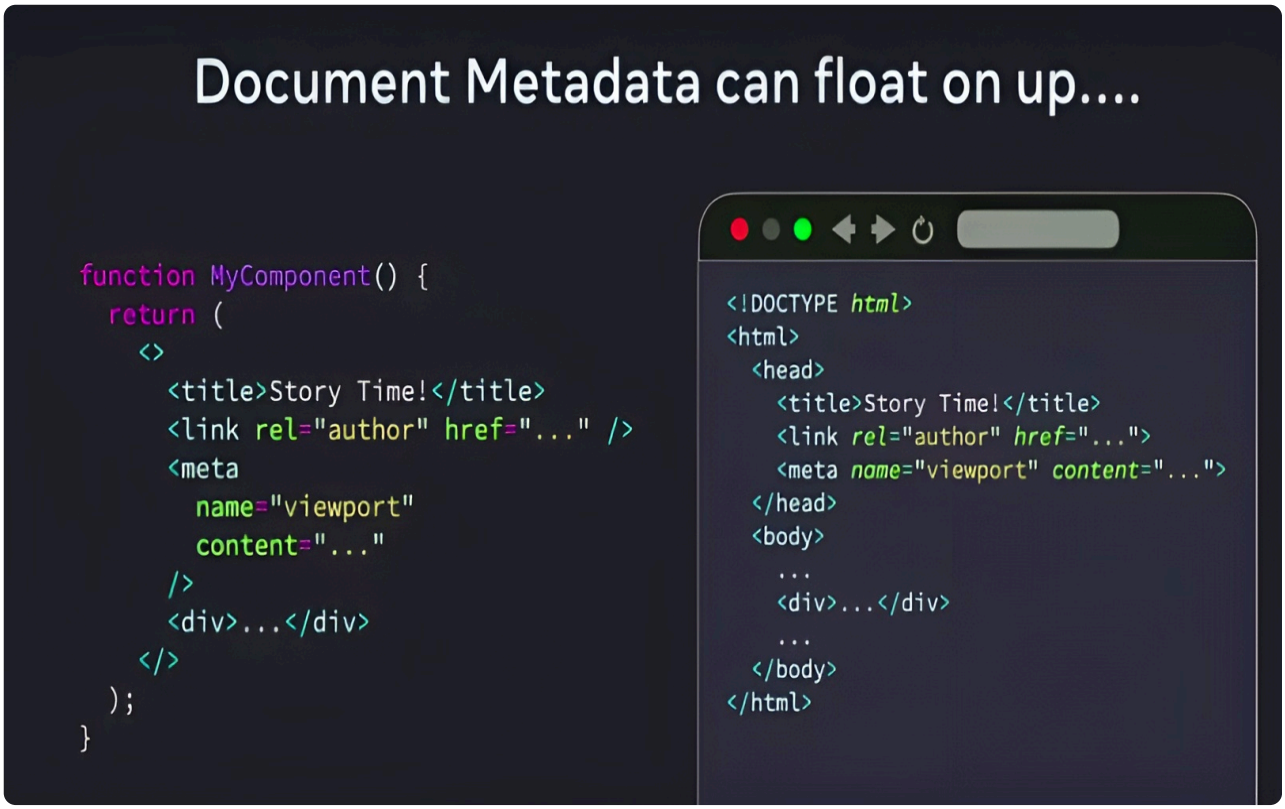
State of React

- Over 1 billion times npm downloads/year
- 4 million React Developer Tools users
- Started to recommend react frameworks to start an app: Remix, NextJS, RedwoodJS, Expo

React 19

- React Server Components make declarative, composable UI work seamlessly across client and server
- Server Rendering & Suspense

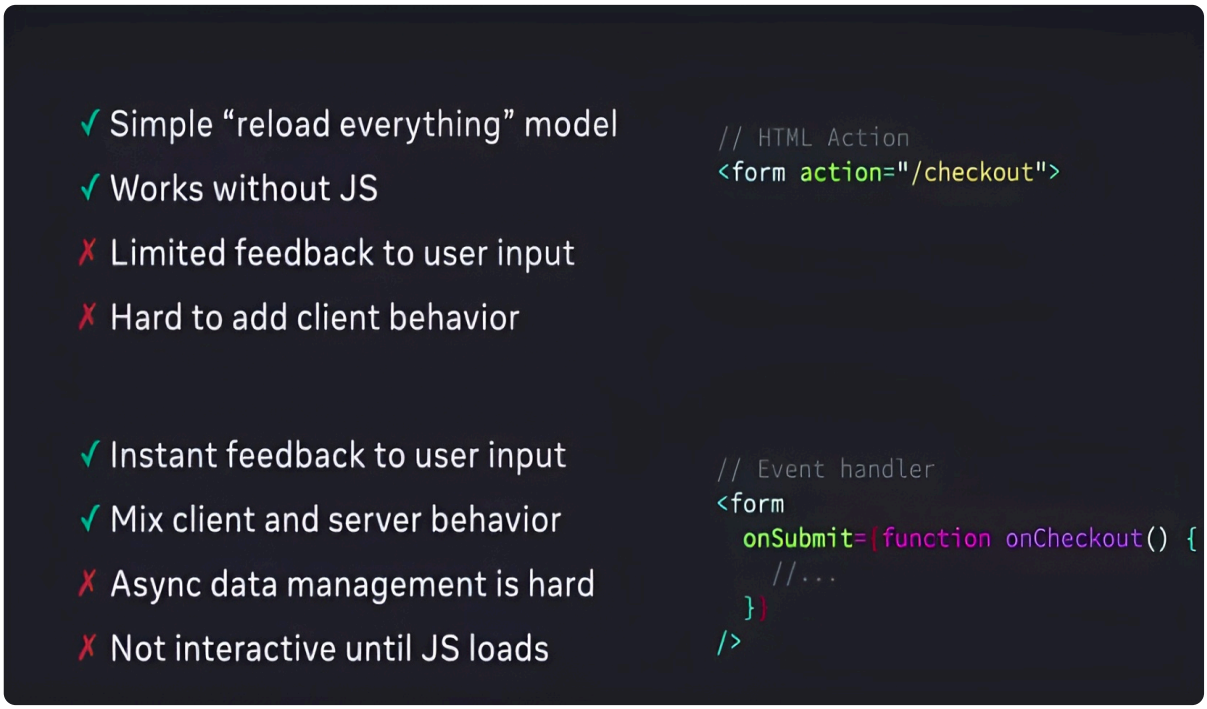
- Declarative, composable HTML, Metadata, Scripts, Stylesheets

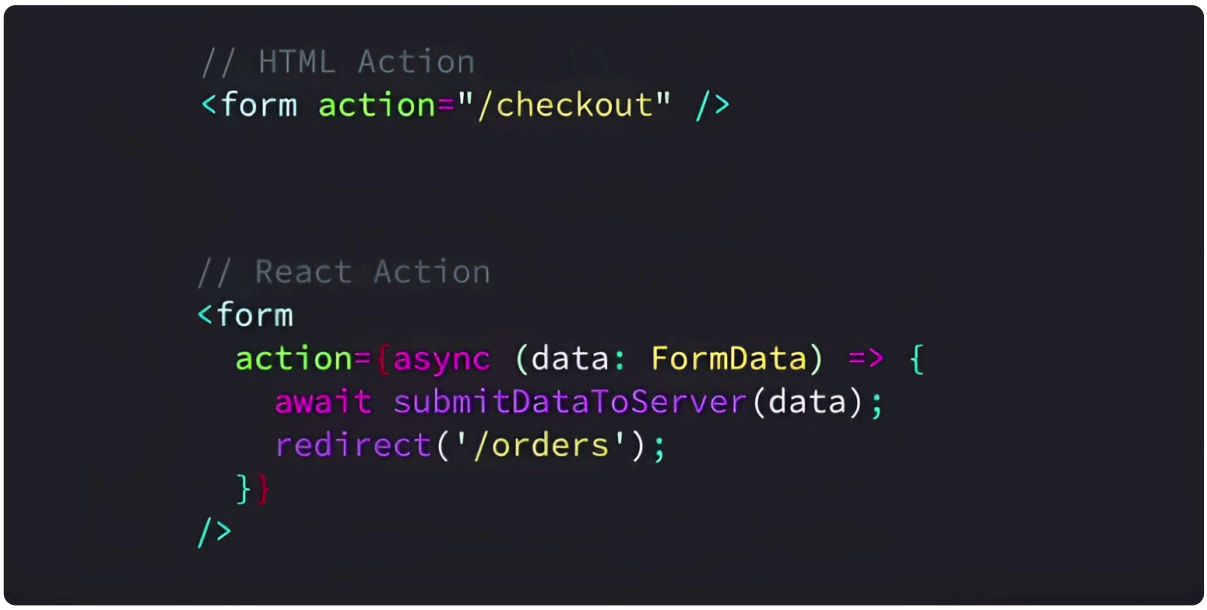


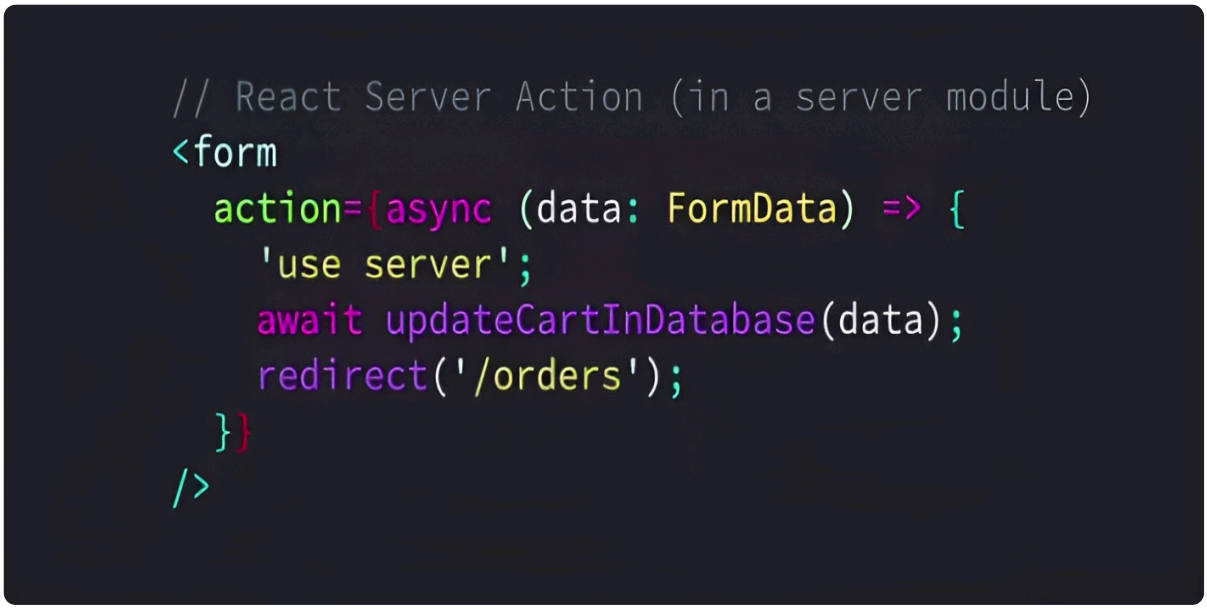
- Hydration
  - Better error reporting: visualize diffs on the props instead of multiple errors

- Actions

- React Actions are not exclusive to Server Components frameworks - they also work on the client, even without a framework
- React Actions are first-class pattern for asyncronous data updates in response to user input
- React Actions are integrated with features like streaming, selective hydration, Suspense and Transitions







- JSX improvements
  - Ref is a prop, no need to use forwardRef()

What's Next

- React Compiler - automatically optimizes components and hooks, no need of memo() or useMemo()