


# Why React?

- "View" only - unopinionated about the rest
  - Makes it more flexible
- React is Declarative
  - Makes it less complex to read/change
- React maps closely to HTML output
- React components map closely to JS functions
  - Same best practices
  - Non-React skills increase React skills
  - React skills are useful even without React
- Also very popular right now (most? )
  - Means helps with jobs

# How does React work

Imagine a TODO list backed by services

- state is maintained in some JS variables
- When the state changes, you rewrite the HTML
- Ideally, you only change the HTML if there is a REAL change

React makes this easy

# JSX

- **JSX** is a syntax that LOOKS like HTML
  - actually transpiles to JS
- React is made of "components"
  - Look like HTML elements
  - Functions that output an HTML element
- Only presentation logic should be in JSX
  - still separating concerns
    - even if it feels like we aren't