

# Jump into React

A brief introduction to react & components



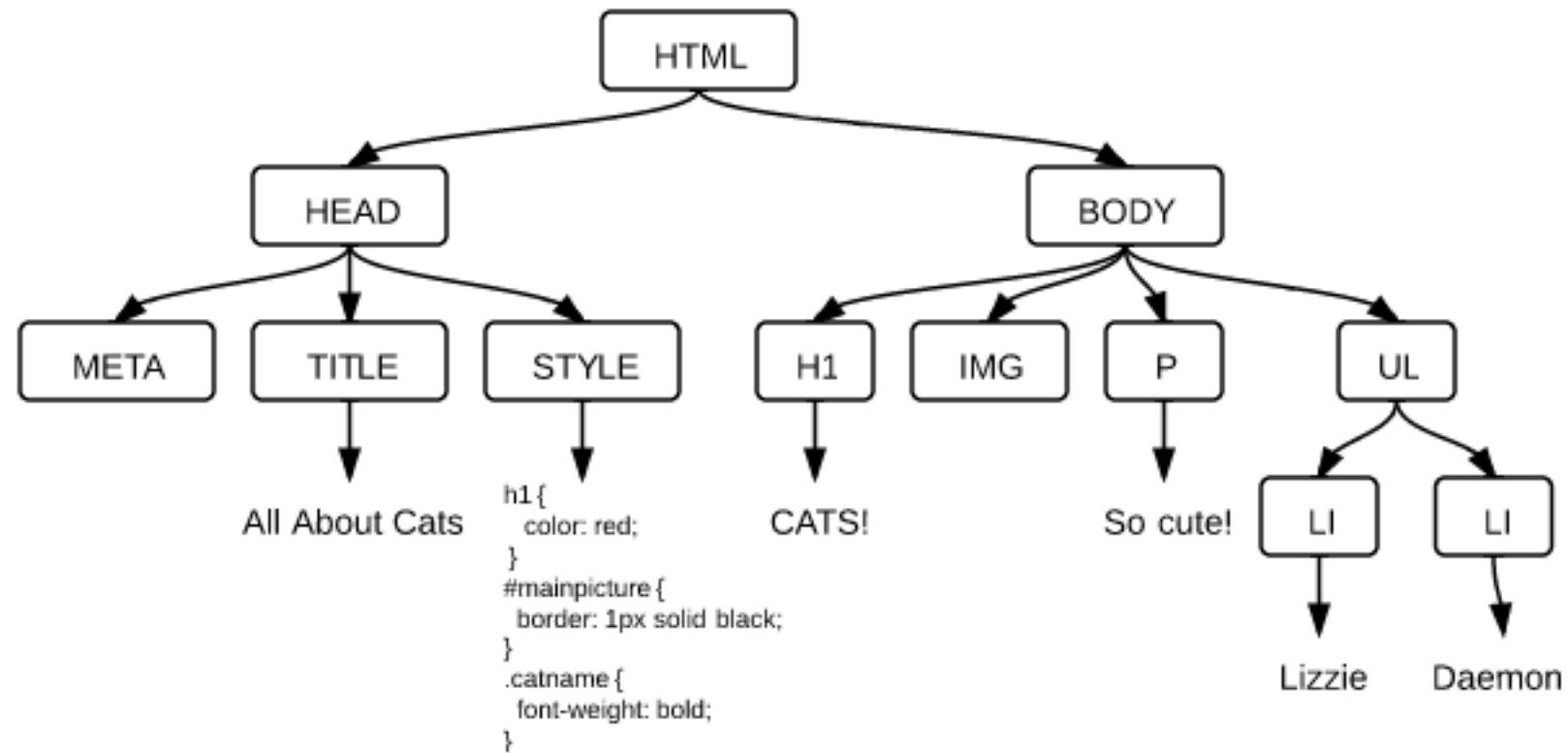
# What is React?

- React is a JavaScript library for creating user interfaces
- Component based system for managing DOM updates
- Uses a 'virtual DOM' data structure and algorithm
- Updates the DOM as efficiently as possible

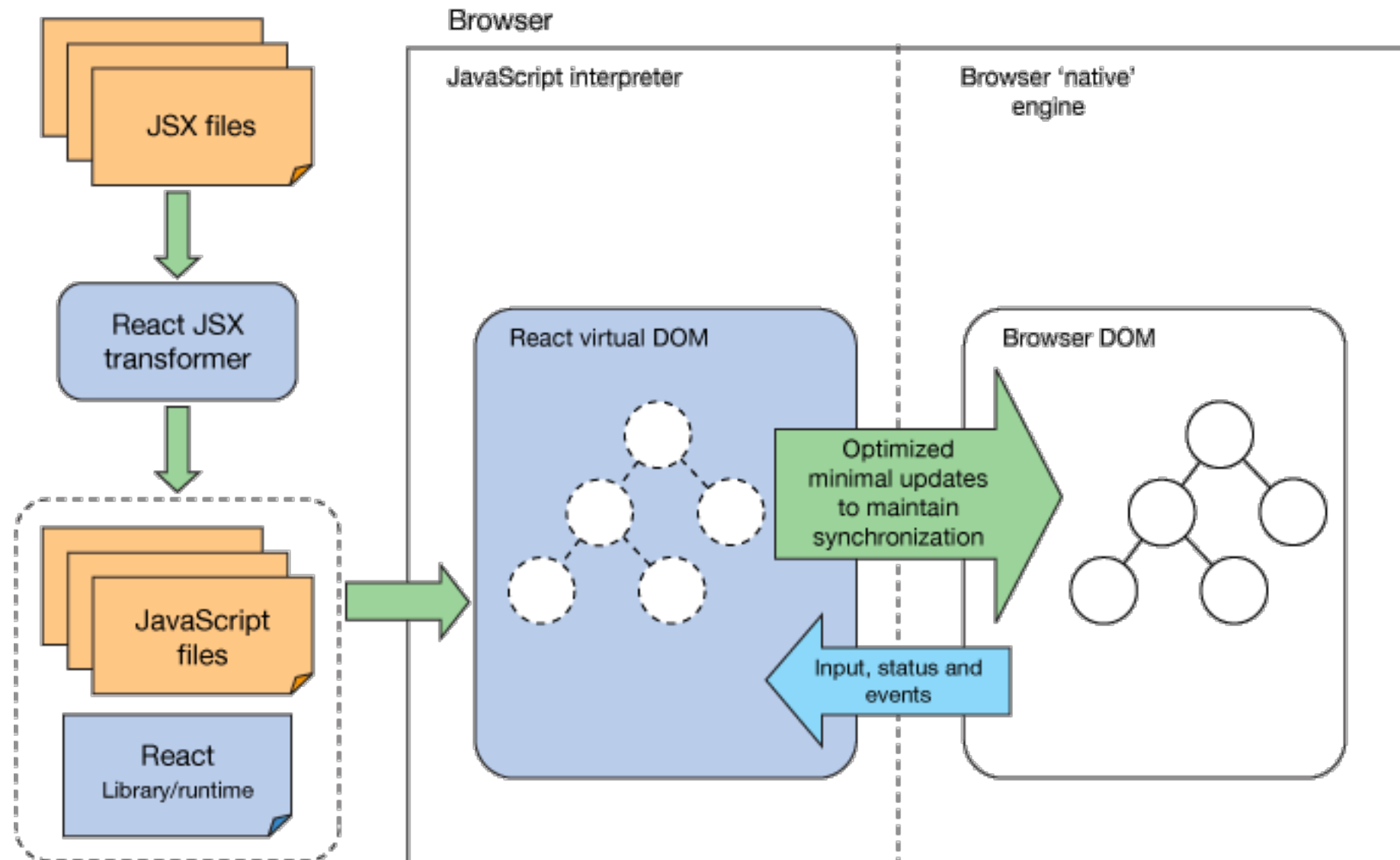
# Why React?

- Simple
- Declarative
- Compassable
- Abstracts away the difficult work, allowing Engineers to stop thinking about managing the DOM
- The DOM is problematic, and painful.
- React introduces the Virtual DOM, diffing, and magic

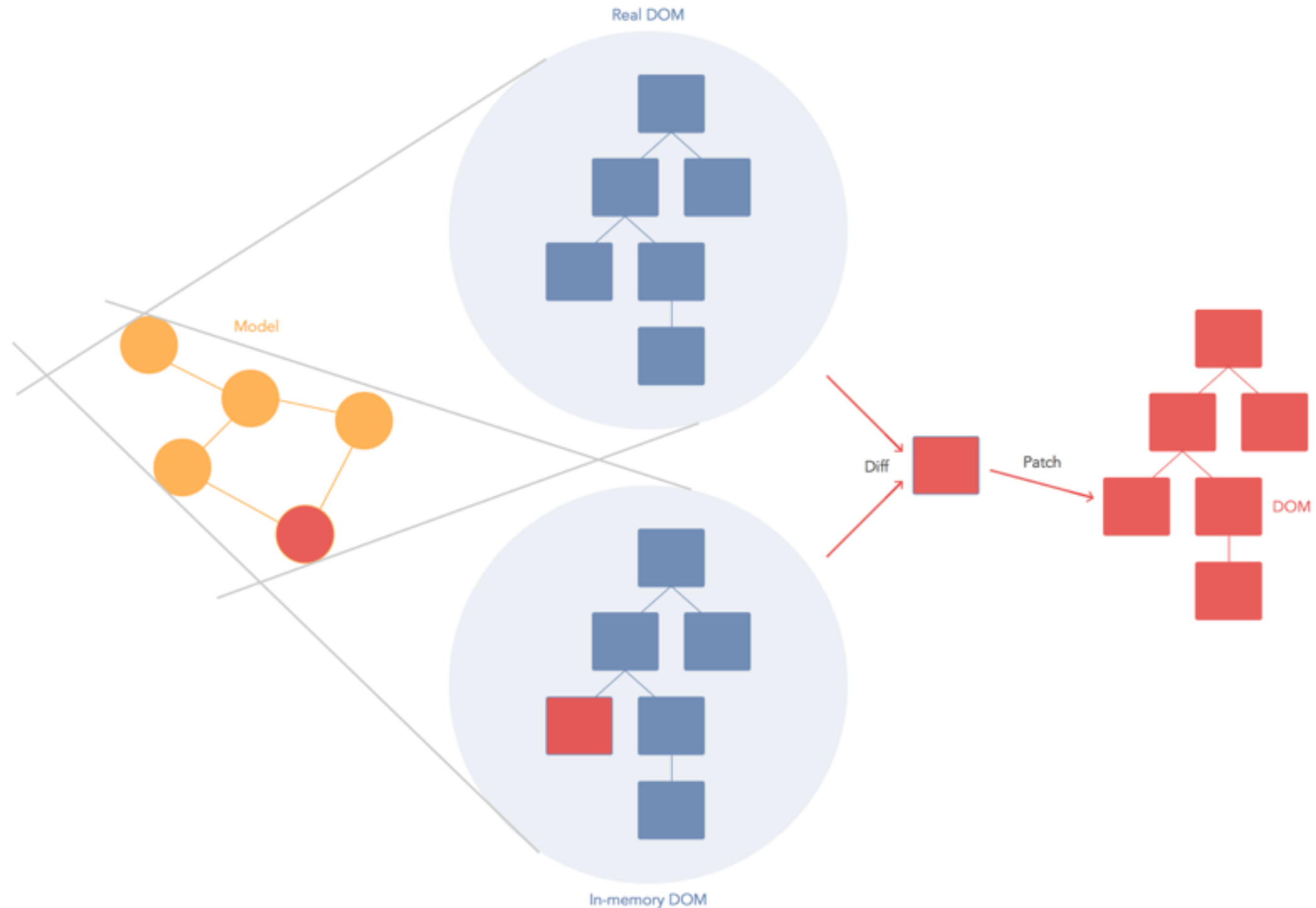
# DOM



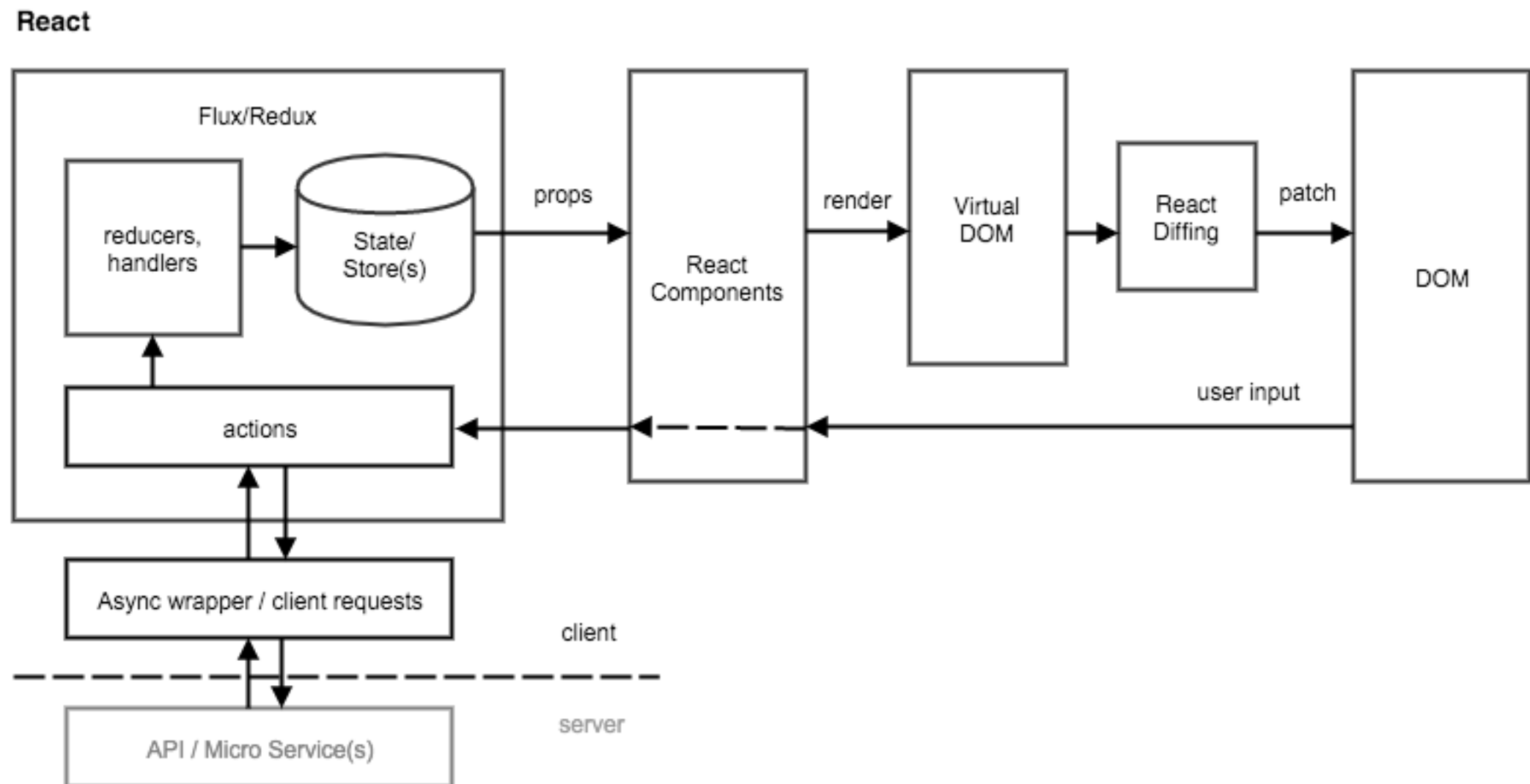
# Virtual DOM



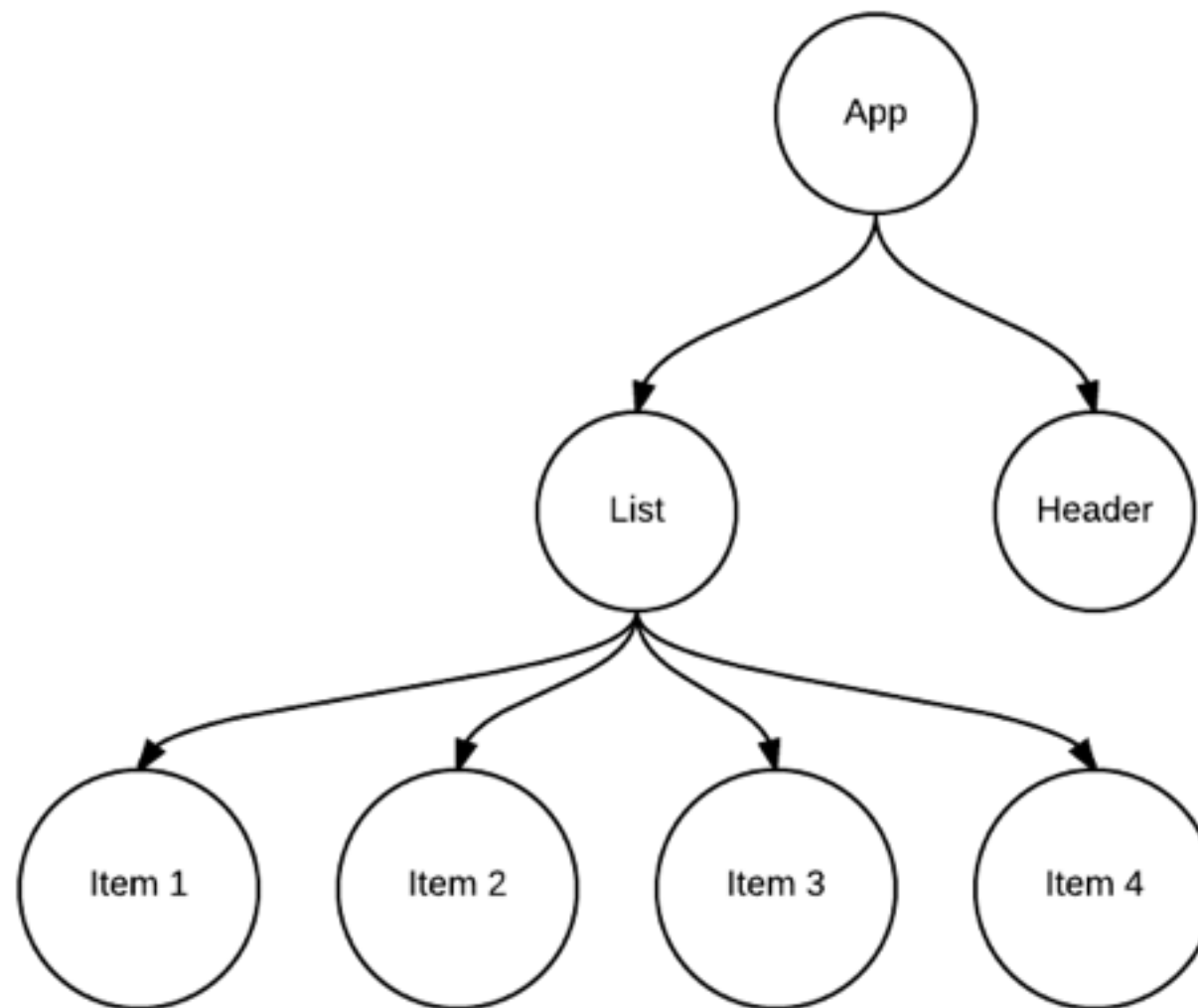
# Virtual DOM diffing



# With Flux/Redux



# Component Tree





# **Component Design Exercise**