

React and Flux for Angular Developers

Components and the Virtual DOM vs. Directives and Watchers



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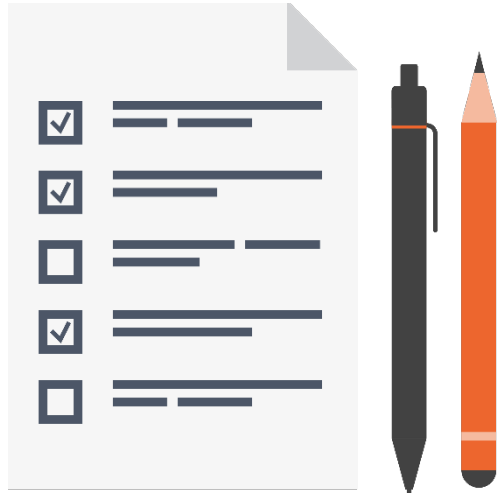
React: Components and the Virtual DOM

vs.

Directives and Watchers

Thinking in Components

Module Summary



React components

Virtual DOM

Angular watchers and the digest loop

What is React and Flux?

I don't understand React or Flux. Can someone help me?

Isn't that about time travel?

[Mark as correct](#)

React and Flux are a tool and methodologies for building the front end of web applications.

React is a synonym for 'respond'

[Mark as correct](#)

Add an answer

Add

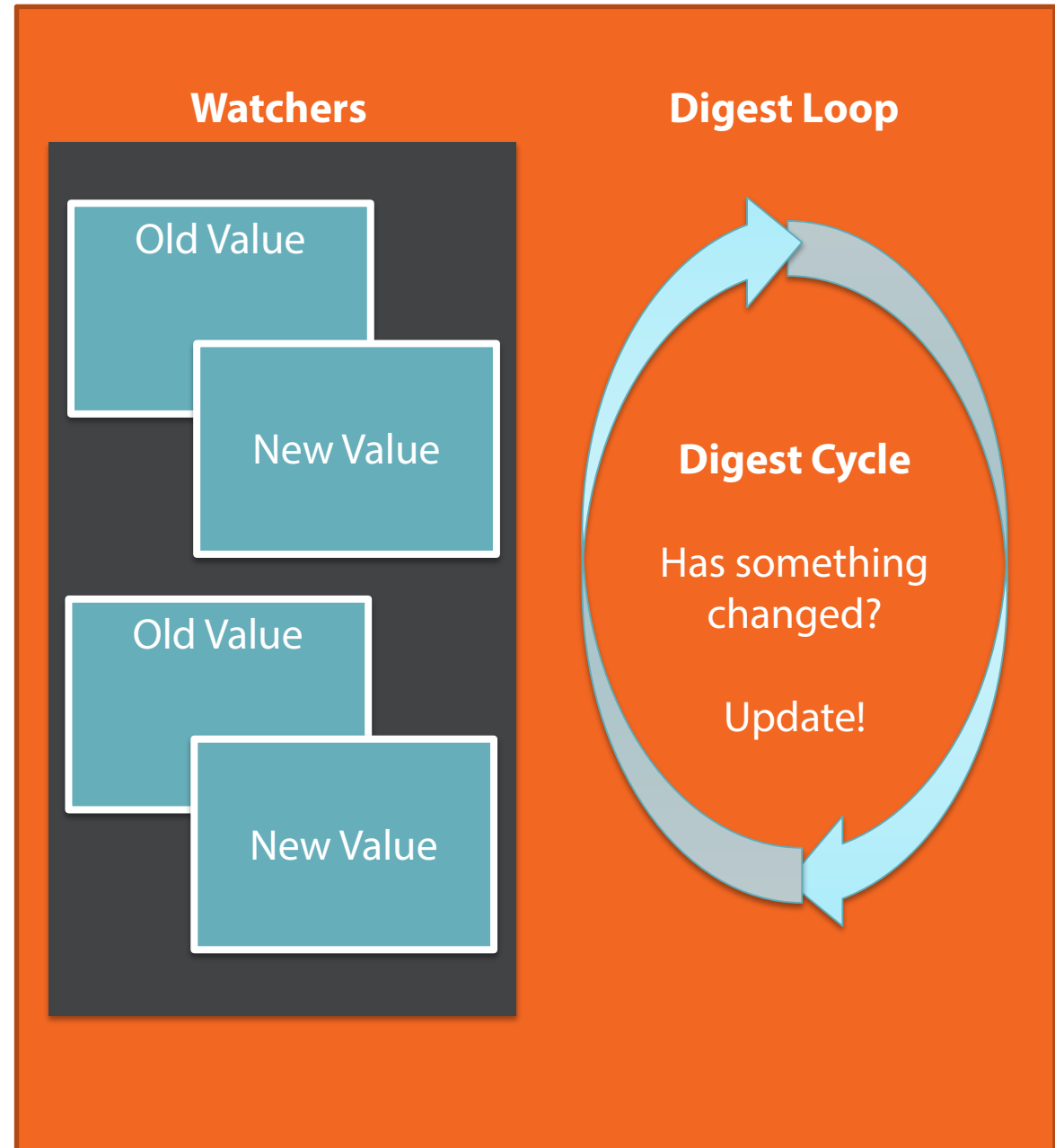
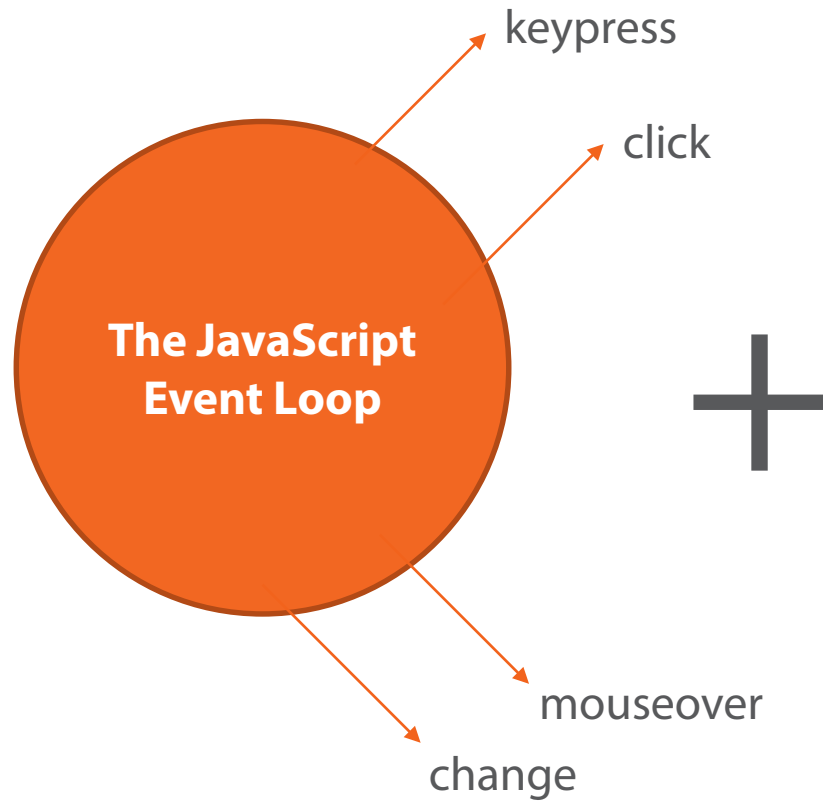
Angular Updating the DOM

DOM

The 'Document Object Model' is an internal structure browsers use to store and ultimately render web pages.

When we update the DOM, the page gets re-rendered. This is **expensive**.

Angular Context

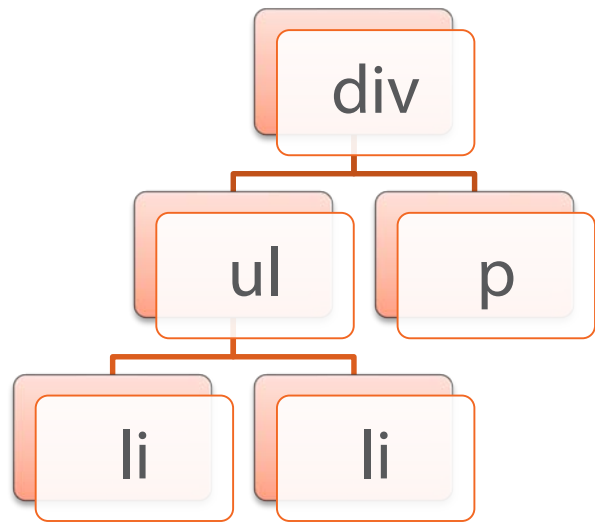


React Updating the DOM

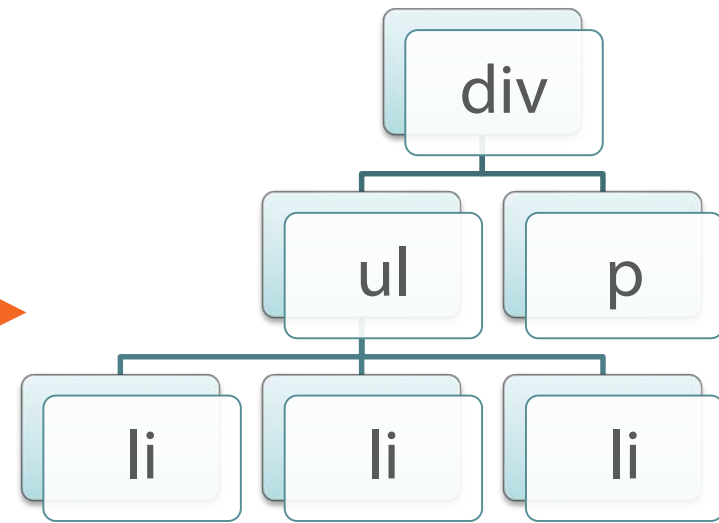
Virtual DOM

A structure internal to React, which mimics the browser DOM. However, it doesn't do any actual rendering. React compares the DOM to its own Virtual DOM.

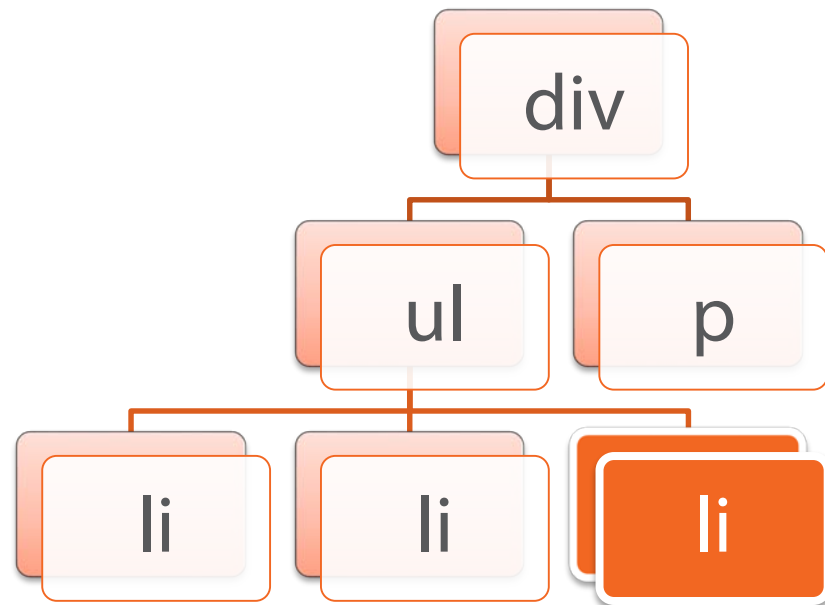
Creating the virtual DOM is **fast**.



Browser DOM



Virtual DOM



Update and Render

Think in Components

Your UI is...

...a collection of reusable components

Everything is potentially reusable

...an expression of the current state of the data

Each component is concerned with just the data it needs