



JavaScript UI

Alex Banks

`alex@moonhighway.com`

`linkedin.com/in/banksalex`



Agenda

Topics

- Backbone Events
- Backbone Routes
- Backbone Models and Collections
- Backbone Views
- Bower and Require.js
- Common JS and Browserify
- Webpack and Babel
- Introduction to React

Hands On

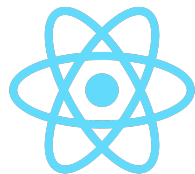
- Ski Resort Front-End
- Common JS Backbone
- React Star Component

Backbone

- A JavaScript library with a RESTful JSON interface
- MVP Design
- Custom events, enumerable functions, API connections
- Used by Airbnb, Pandora, Hulu, and more

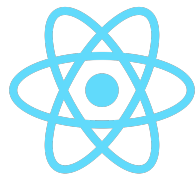
What is React

- JS library for building user interfaces
- Created at Facebook
- Large scale, single page applications
- High speed virtual DOM

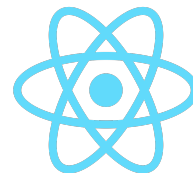
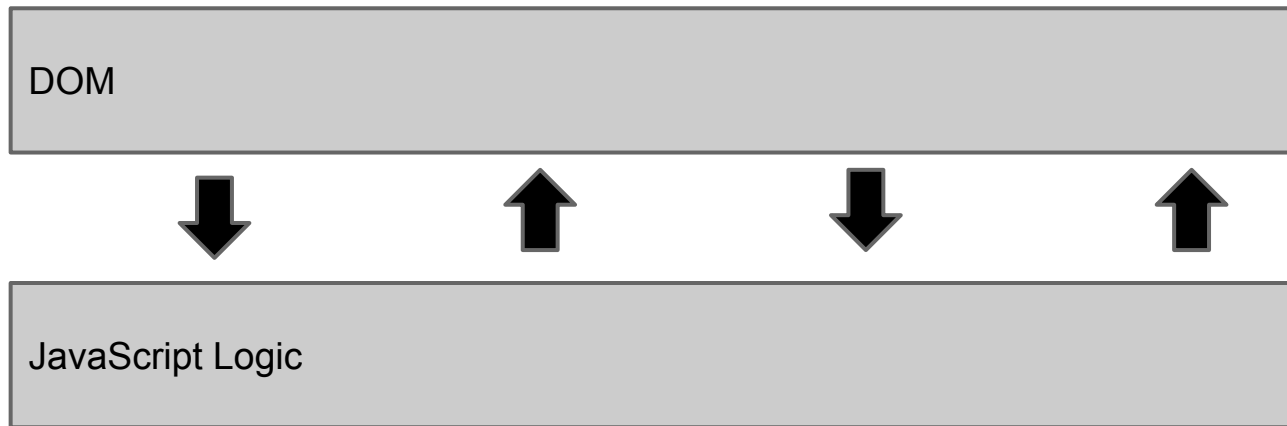


Why React is So Fast

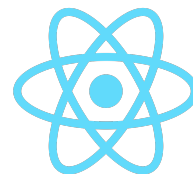
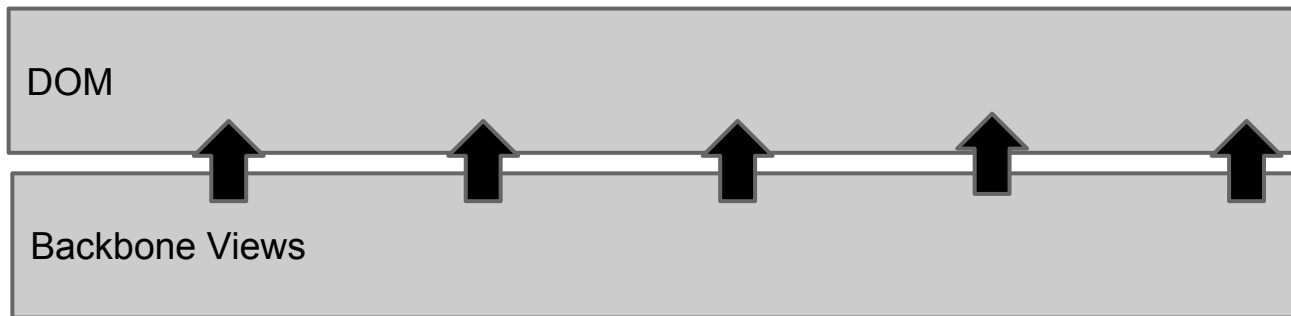
- JS Objects are faster than DOM Objects
- The React Virtual DOM is a JS Object
- Never reads from 'real' DOM
- Only writes to real DOM if needed
- Efficiently handles DOM updates



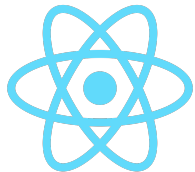
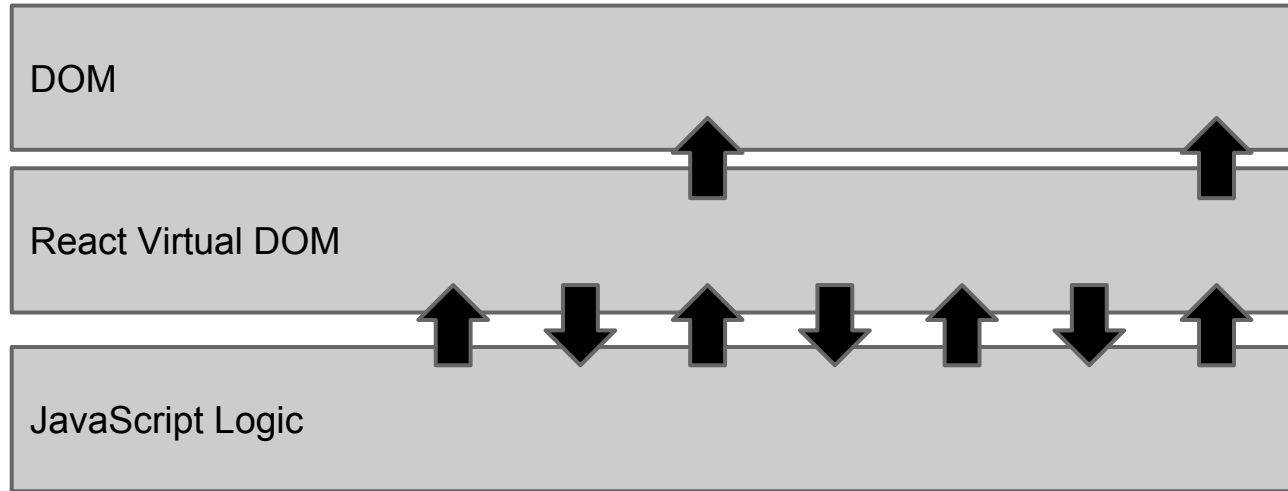
JavaScript DOM Updates



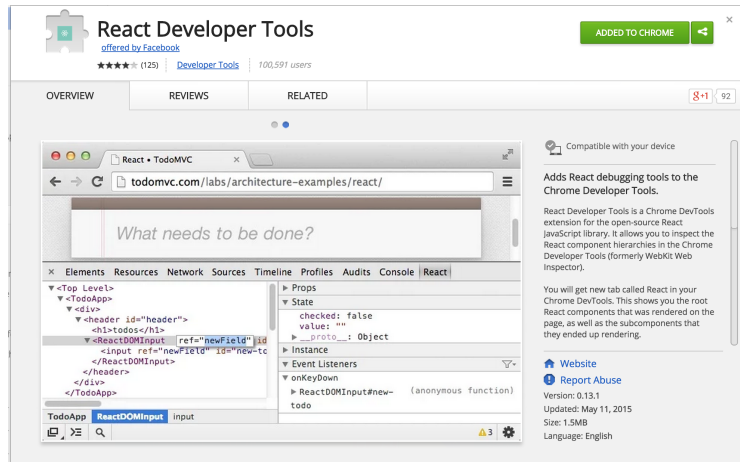
Other Frameworks



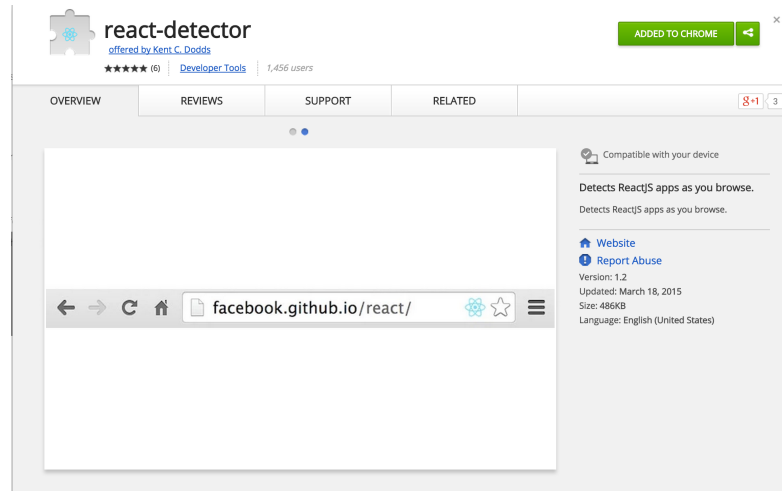
React



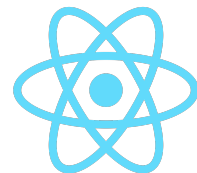
Chrome React Tools



React Developer Tools



react-detector



Getting the Files

- Course files are hosted on GitHub.
- Files

www.github.com/moonhighway/javascript-ui

```
$ git clone https://github.com/moonhighway/javascript-ui.git
```



Thanks for Attending

- Files

www.github.com/moonhighway/javascript-ui



Alex Banks

`alex@moonhighway.com`

`linkedin.com/in/banksalex`