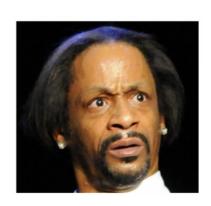


REACT PRESENTATION

Kash Karimi Senior Platform Engineer



WAIT WHAT?

MY INTEREST & EXPERIENCE

- Started using React in 2014
- Few apps in production
- Teach React at Code Your Future
- Share passion

Consider alternatives

- SE Tech Constitution

TALK OVERVIEW

- React Concepts & Patterns
- Why React is Awesome
- Why & How-to use it at Secret Escapes
- QAs

REACT: CONCEPTS

LIBRARY NOT FRAMEWORK

DECLARATIVE STYLE

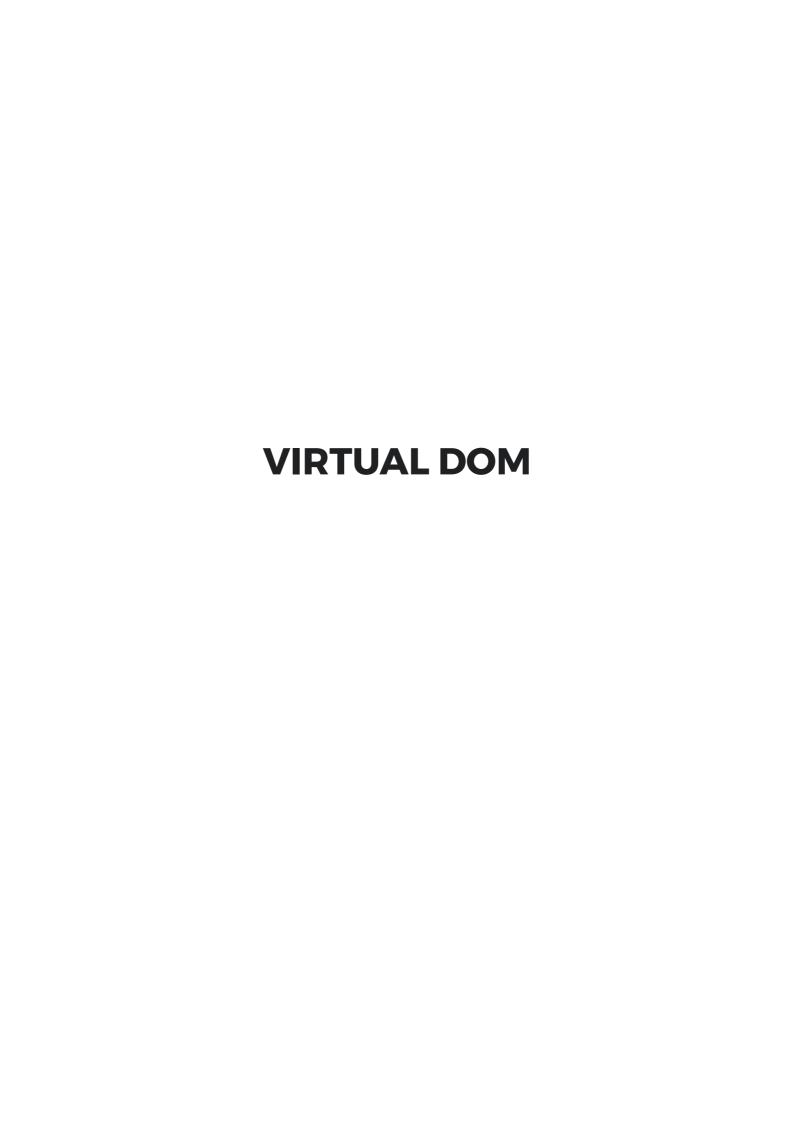
STATEFUL COMPONENTS

REMEMBER THIS?

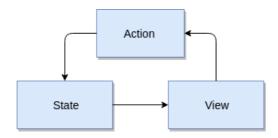


EXERCISE

How many components do you see?



UNIDIRECTIONAL FLOW

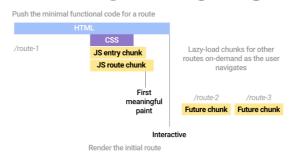




HOW REACT BECAME THE QUEEN OF UI

- DOM and two-way binding
- Components are the future
- Developer experience
- Modern tools: hot reloading, code splitting (bundles), ServiceWorkers
- Progressive Web Apps (..or React Native apps)
- Flexible, rendered on server

ROUTE-BASED CHUNKING



- Faster initial load, and less heavy on browsers
- Lazy load future paths
- Webpack Tree-shaking ensures no unused code gets bundled

FUTURE

FUTURE

• REST shortcomings (too many requests, e.g. n+1 queries)

FUTURE IS HERE: GRAPHQL

- GraphQL offers significantly more flexibility
- Define precisely the data you want and only the data you want
- Replace multiple REST requests with a single call
- Github API (v4) is no longer REST but GraphQL
- Relay: React Components request what they need

WHY SHOULD WE USE REACT AT SE?

- Already have REST API decoupling easier
- More state on client side (cache)
- Less calls to the back-end
- User perceives better performance
- Progressive Web-App (PWA) ready
- Developer experience
- Future proofing

HOW CAN WE USE REACT AT SE?

- Select a test page
- Mount on to the page
- Convert existing pages to components
- New features/pages as components



THANK YOU

