

#### Overview

- · Recap of last time
- · Modern JavaScript
- Routing react-router
- State Management redux

#### Tooling

We used the package manager **yarn** and **create-react-app** to setup our app.

With zero configuration this gave us the module bundler webpack that gave us live reloading and eslint inside the browser, and babel that allowed us to use Modern Javascript

#### ImageGallery app



general layout fetch images show/hide fullscreen layout grid

fullcaroon overlay

#### React

- Use **props** to pass data from parent to child components.
- Local to a component **state** is used for changing data.
- Unidirectional data flow down the tree keeps changes predictable
- Passed down callbacks to have for example the Gallery to react on a Image being clicked

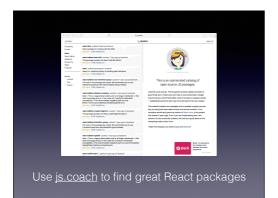
# React patterns

- **UI first** to iterate faster
- Presentational vs container components, or how it looks vs how it works
- I proclaimed my 💝 for having JS, CSS & HTML

#### Modern JavaScript

- const / let instead of var default parameters
- · arrow functions
- object shorthand names
- · template strings
- classes
- importing / exporting modules

### What's 🦠 me · Low resolution full screen image · Warning in the console Deveraing: Such child in an array or streator should have a grootConsole.isi56 untue "soy" prop. Check the render method of "ImageGrid". See https://fib.mafreaiin.negocid.ci.com.indo.keps for more information. In Tange (at ImageGrid, 1931) in RangeGrid (at Collery, 19129) in Gallery (at Gallery, 19129) in Gallery (at Gallery, 19129) in Gallery (at Gallery, 1912) in div (at App, 1912) in div (at App, 1912) in div (at App, 1912)

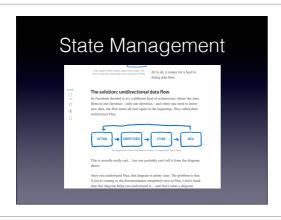


## React Router

- Declarative dynamic routing library for **React** and since v4 also for React Native
- Documentation has great interactive <u>examples</u>
- Build your own React Router v4 is a nice blogpost where a simplified implementation is build

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# Higher order components • Composition over inheritance • A function that wraps a Component | Constructor product Cleanting = (Integrationpowent) => { | return (clean wrapper strends final (...(apparent) | constructor profuse | constructor







#### Blogposts

- Course by Dan Abramov that also builds a small implementation
  - Getting Started with Redux
  - Building React Applications with Idiomatic Redux

