React 101

Let's make a simple image gallery

React

- Declarative user interfaces

- Component driven

Prerequisites

- Install the current <u>Node.js</u>

- Install <u>Yarn</u> a Node.js package manager

Yarn

- Package manager for Node.js

- Faster and deterministic alternative to npm

- Helps setting up starter kits

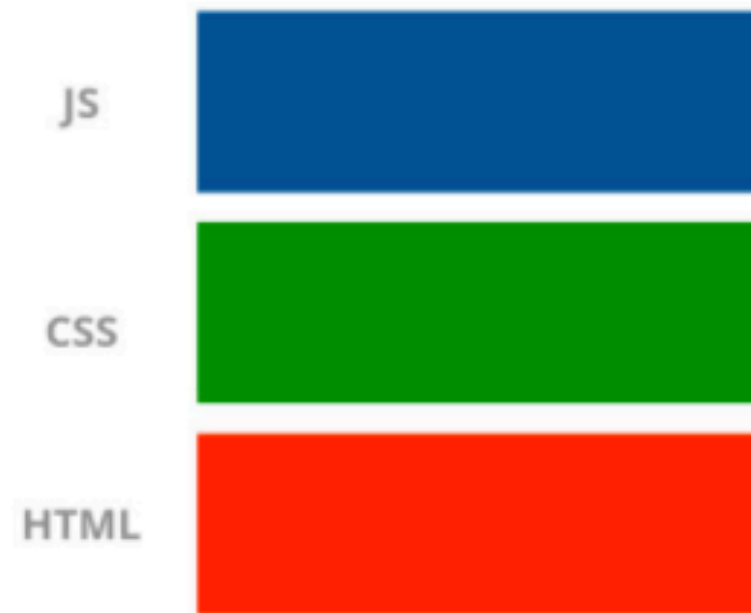 - yarn create react-app my-app

create-react-app

- Create React apps with no build configuration

- Setting up an React app used to be an error prone time sink

- Webpack, Babel etc. are preconfigured with sane, modern defaults and hidden away
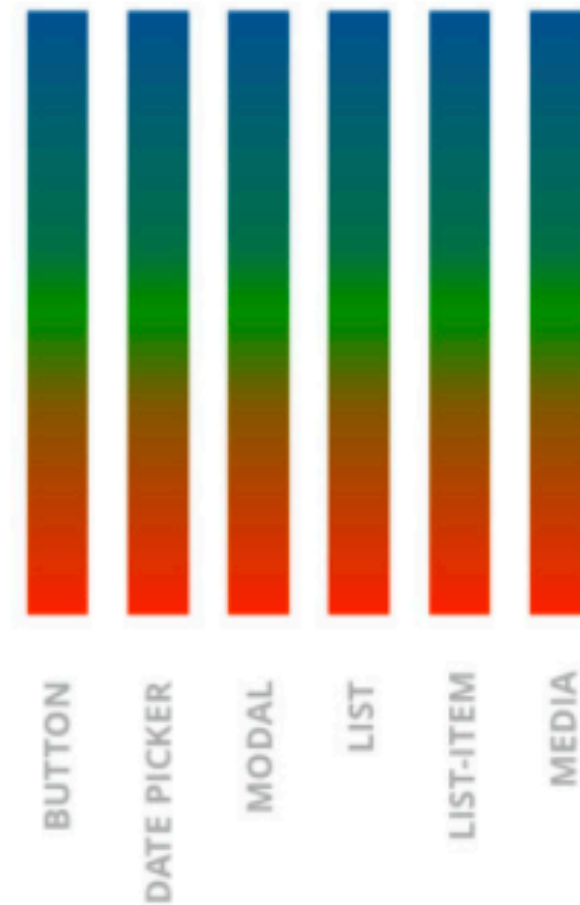
CSS in JS

- Inline styling using JavaScript objects

- Advantages

  - Colocated and isolated

  - Highly expressive

- Disadvantages

  - camelCase properties

  - Some CSS not supported, e.g. pseudo classes, media queries

taken from Let There Be Peace on CSS

CSS in JS

- React: CSS in JS techniques comparison

- Radium

- 💅 styled-components

Some links

- <u>React Developer Tools</u> - Chrome extension

- <u>http://reactpatterns.com/</u> - Common patterns

- <u>https://medium.com/@dan_abramov/smart-and-dumb-components-7ca2f9a7c7d0</u> - Presentational and container components

- <u>https://js.coach/</u> - Curated catalog of React packages

Next steps?

- Native mobile app - React Native

- Liking an image - Redux

- Deploy to web - AWS Lambda

- Cleaner API calls - GraphQL

Code

- https://github.com/ckuijjer/tbd-react

- https://github.com/ckuijjer/tbd-react-try-2

- https://github.com/ckuijjer/tbd-react-try-3