Building UI component libraries

Storybook

Zürich ReactJS Meetup

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TERALYTICS
Signal to Information to Value

One best thing about React?

```
Last login: Tue Apr 26 10:18:54 on ttys006
~$  npm search react-component |wc -l
   2833
~$
```

Departure times | Arrival times

Saturday, October 10, 2015

744,752

‹ | ›

Th 01   Mo 05   Fr 09   Tu 13   Sa 17   We 21   Su 25   Th 29

744,752 of 807,652 movements   ⊗ Reset filters

▼ **Distance**   106 km .. 2,231 km ⊗

Movements by distance.

0 km   2,000 km   4,000 km   6,000 km   8,000 km

▶ **Top Flows**

▶ **Top Origins**
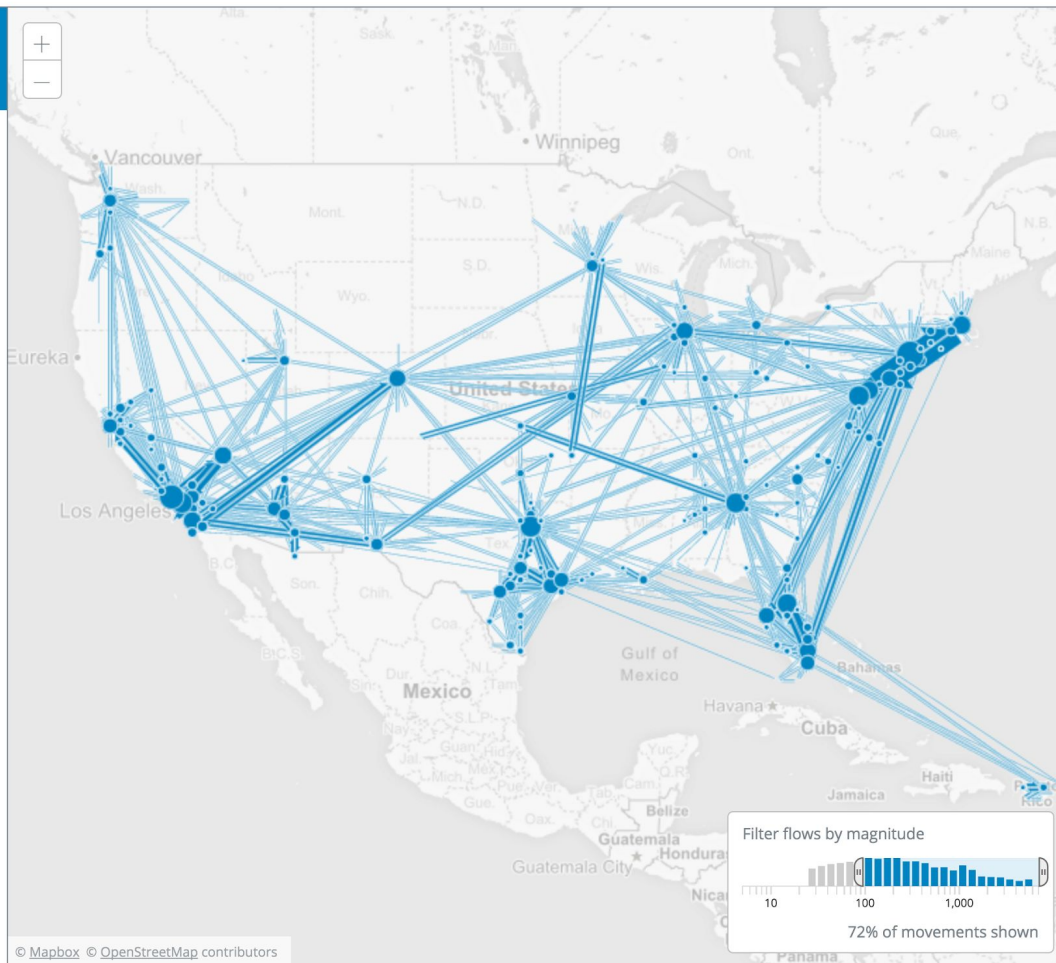
▼ **Top Destinations**

Numbers of movements to the top destinations.

1300533364   28,995

1300506854   22,450

1300530315   16,021

Filter flows by magnitude

10   100   1,000
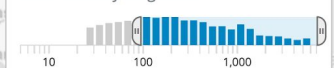
72% of movements shown

© Mapbox © OpenStreetMap contributors

How to make
a **good** library
of UI components?

A Medium Corporation [US] https://medium.com/@dan_abramov/smart-and-dumb-components-7ca2f9a7c7d0#.ivx...

Ilya

Dan Abramov
Mar 23, 2015 · 5 min read

Presentational and Container Components

♡ 765   💬 28   Dan Abramov

Material-UI

A Set of React Components that Implement
Google's Material Design

DEMO

Material-UI came about from our love of React and Google's Material Design.
We're currently using it on a project at Call-Em-All and plan on adding to it and
making it better in the coming months.

www.material-ui.com/#/components/app-bar

Components ⬤

Get Started ▾

Customization ▾

Components ▴

App Bar

Auto Complete

Avatar

Badge

Buttons ▾

Card

Date Picker

Dialog

Divider

Grid List

Icons ▾

Left Nav

List

Menus ▾

App Bar

The app bar, formerly known as the action bar in Android, is a special kind of toolbar that's used for branding, navigation, search, and actions.

Examples

Simple example ‹›

A simple example of `AppBar` with an icon on the right. By default, the left icon is a navigation-menu.

≡ Title ⌄

Buttons ‹›

This example uses an IconButton on the left, has a clickable `title` through the `onTouchTap` property, and a FlatButton on the right.

✕ Title SAVE

Icon Menu ‹›

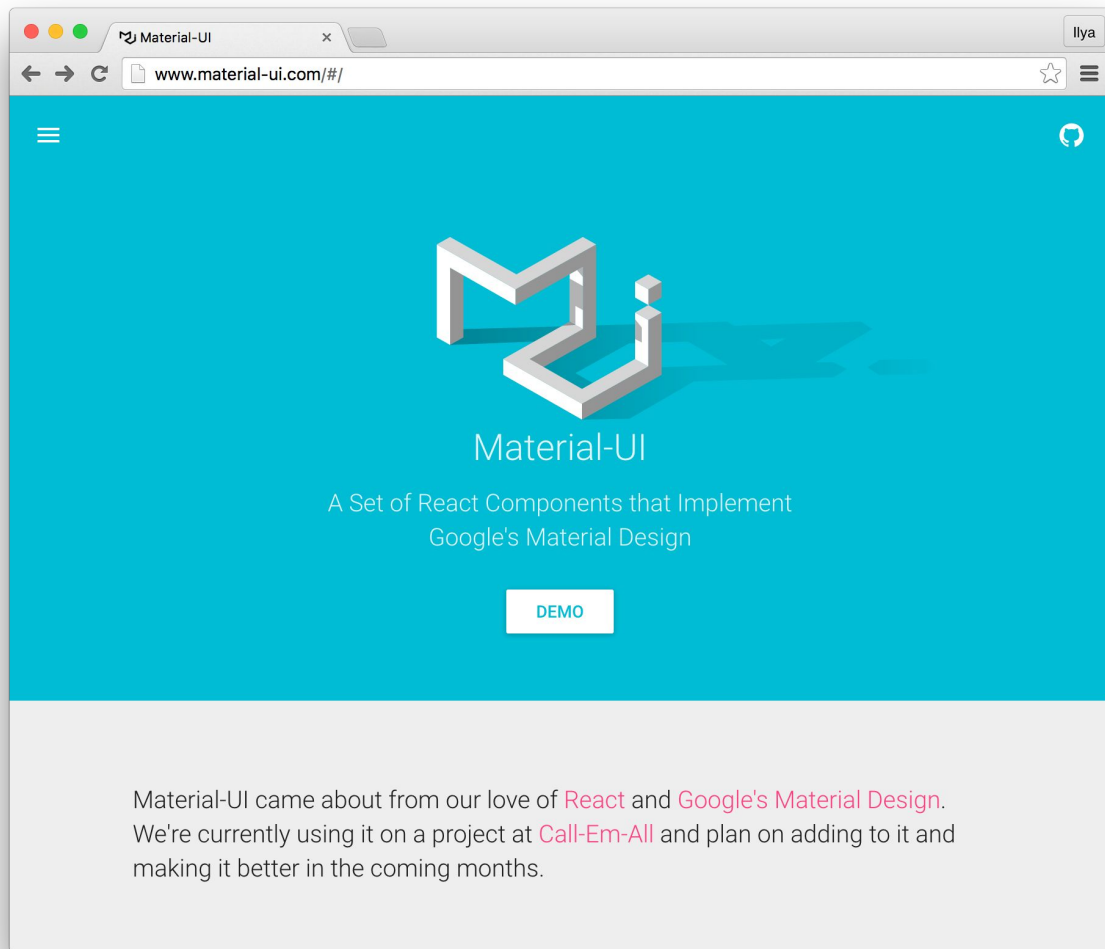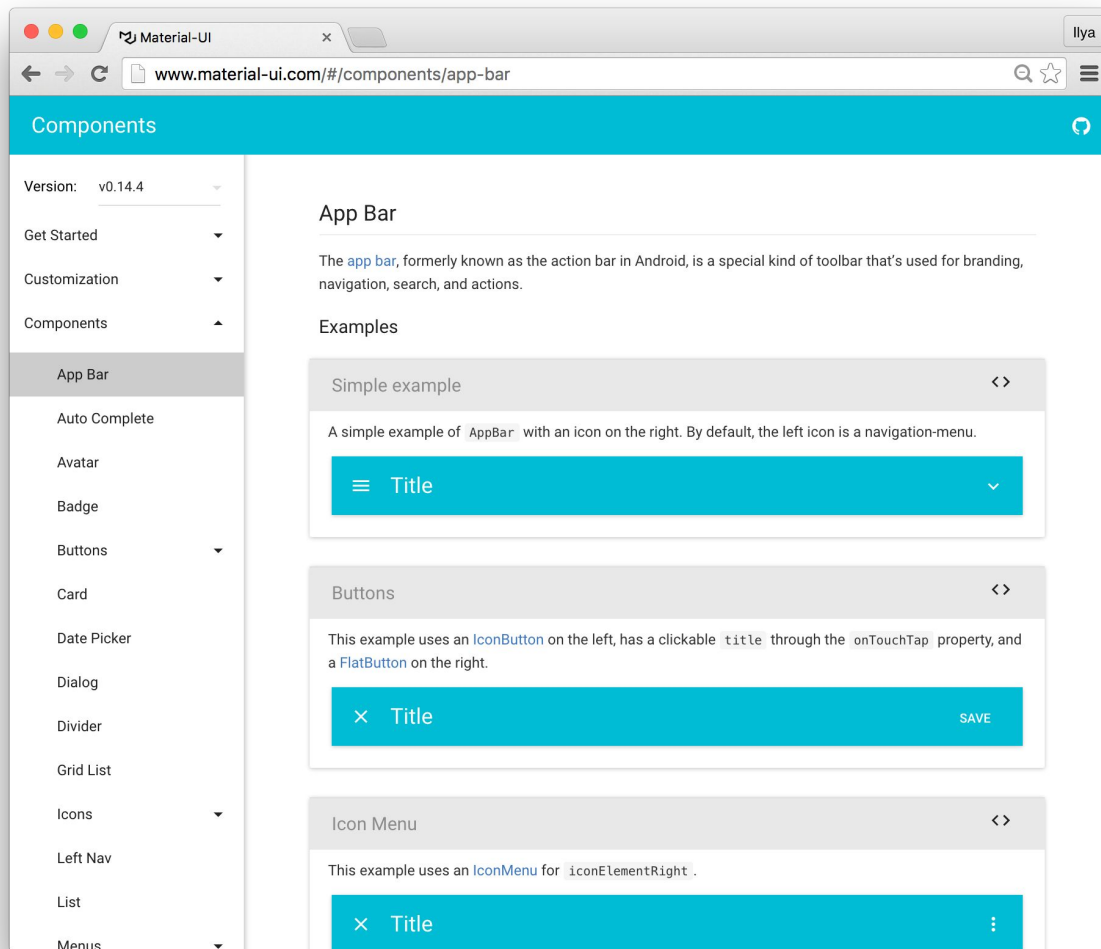This example uses an IconMenu for `iconElementRight`.

✕ Title ⋮

How to make
a **DIY** good library
of UI components?

Facilitate reuse

"Living style guides"

Facilitate reuse

Overview of your component library
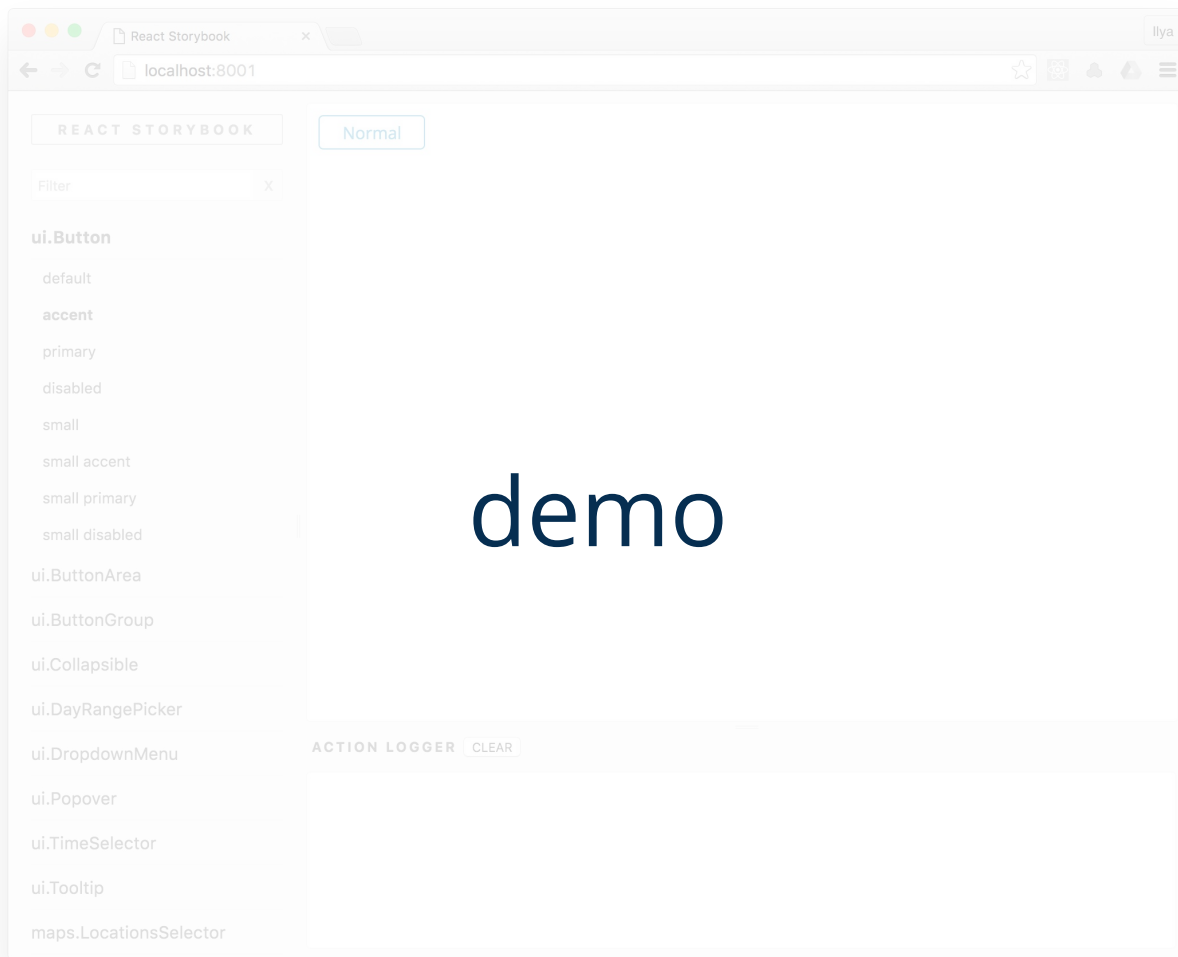
Usage examples in different contexts

Isolated env for components
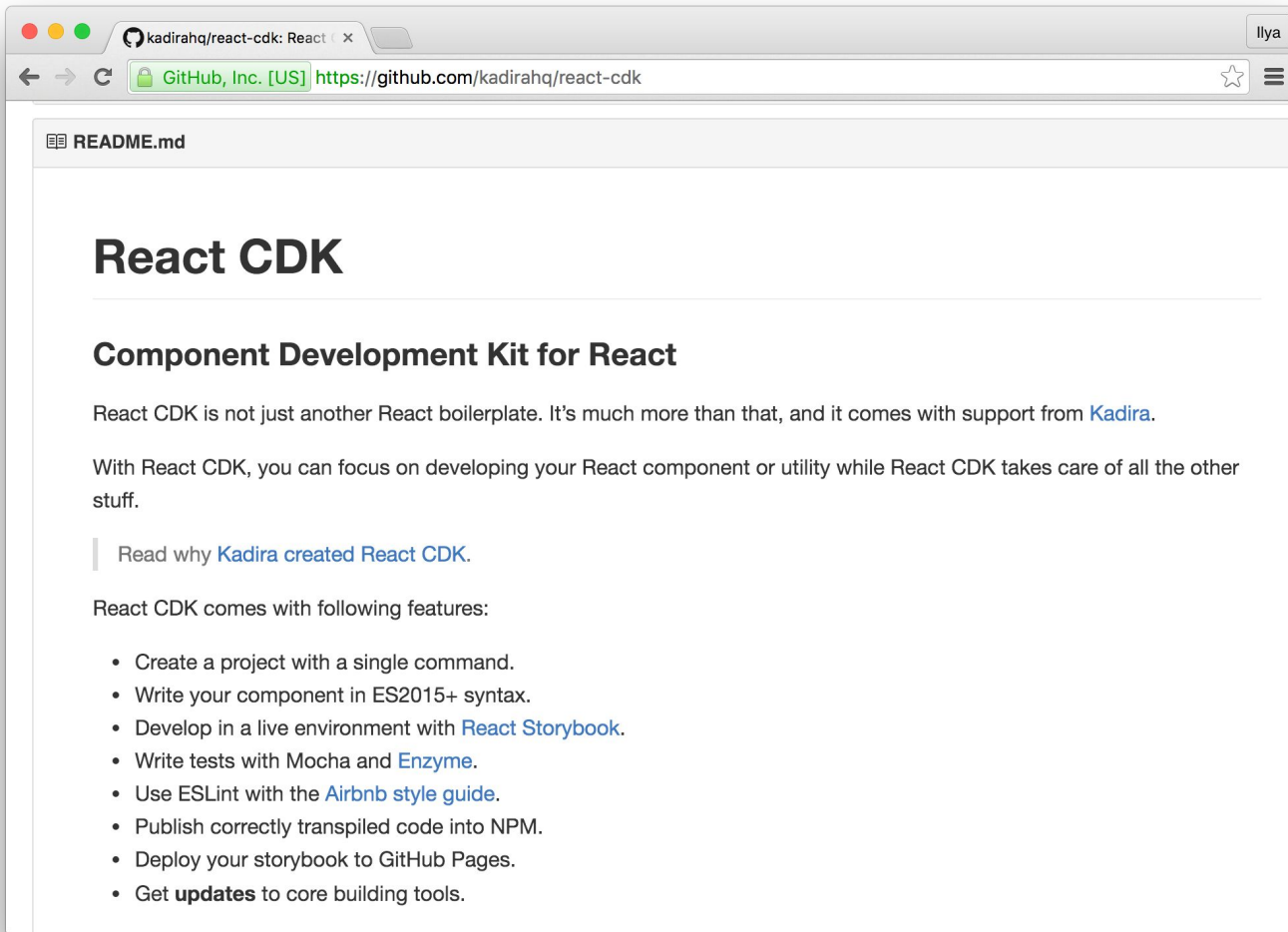

Hm... But what about automated tests?

Storybook

Lives within your project

Super easy to add components and "stories"

Publish a component

📖 **README.md**

React CDK

Component Development Kit for React

React CDK is not just another React boilerplate. It's much more than that, and it comes with support from Kadira.

With React CDK, you can focus on developing your React component or utility while React CDK takes care of all the other stuff.

> Read why Kadira created React CDK.

React CDK comes with following features:

- Create a project with a single command.
- Write your component in ES2015+ syntax.
- Develop in a live environment with React Storybook.
- Write tests with Mocha and Enzyme.
- Use ESLint with the Airbnb style guide.
- Publish correctly transpiled code into NPM.
- Deploy your storybook to GitHub Pages.
- Get **updates** to core building tools.