

# Documentation

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**Cory House**

@housecor | [reactjsconsulting.com](http://reactjsconsulting.com)



# The Plan



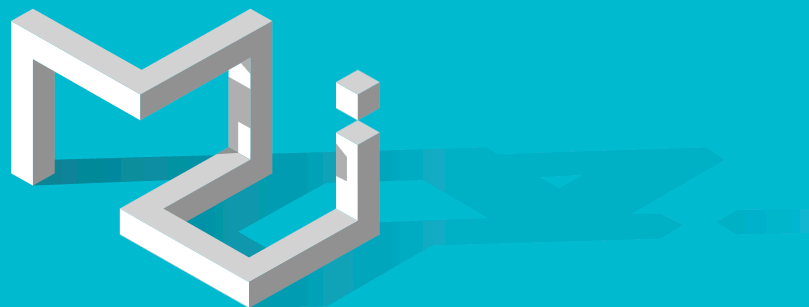
**Documentation Goals**

**Demo: Generate custom docs**



Goal:  
Your docs are your dev environment



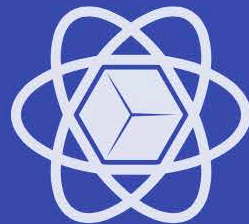


# Material-UI

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

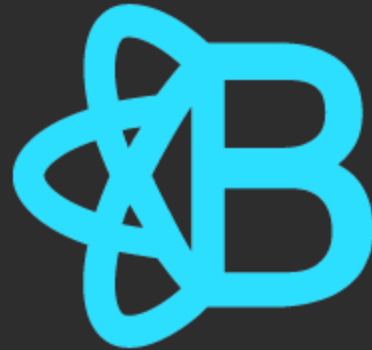


# React Toolbox

Bootstrap your application with beautiful Material Design  
Components

[Installation](#) • [Components](#) • [Github](#)

React Toolbox is a set of React components that implements Google Material Design specification. It's built on top of some the trendiest proposals like CSS Modules (written in SASS), Webpack and ES6. The library harmoniously integrates with your Webpack workflow and it's easily customizable and very flexible.



The most popular front-end framework, rebuilt for React.

📢 We are actively working to reach a 1.0.0 release, and we would love your help to get there.

✅ Check out the [1.0.0 roadmap](#) and [contributing guidelines](#) to see where you can help out.

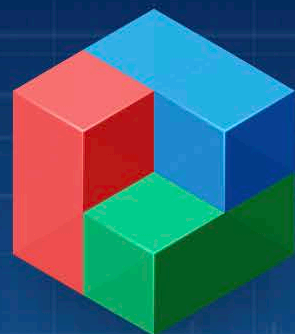
🔗 A great place to start is any [issue](#) with a `help-wanted` label.

✔ We are open to pull requests that address bugs, improve documentation, enhance accessibility, add test coverage, or bring us closer to feature parity with [Bootstrap](#).

👤 We actively seek to invite frequent pull request authors to join the organization. 🙌

⚠ The project is under active development, and APIs will change.

📢 Prior to the 1.0.0 release, breaking changes should result in a minor version bump.



# Blueprint

A React UI toolkit for the web

[DOCS](#) • [GITHUB](#)

Build complex, data-dense

Input

Placeholder

Default

Primary

Success

Warning

Danger

Left

Middle

Right

Left

Middle

Right

# Documentation Goals



**Component description**

**Prop documentation**

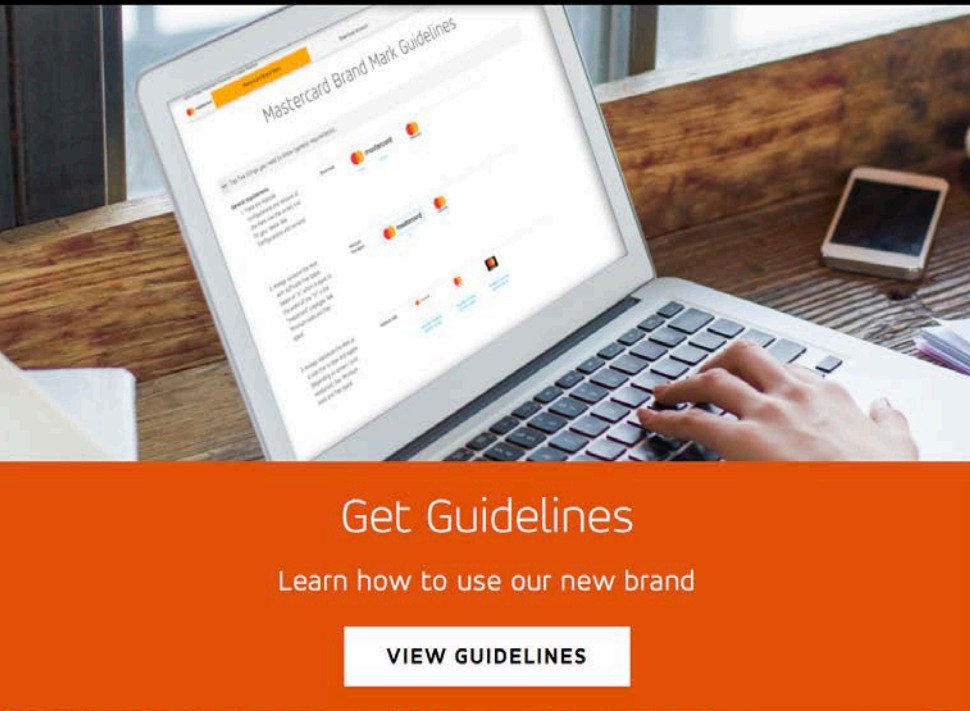
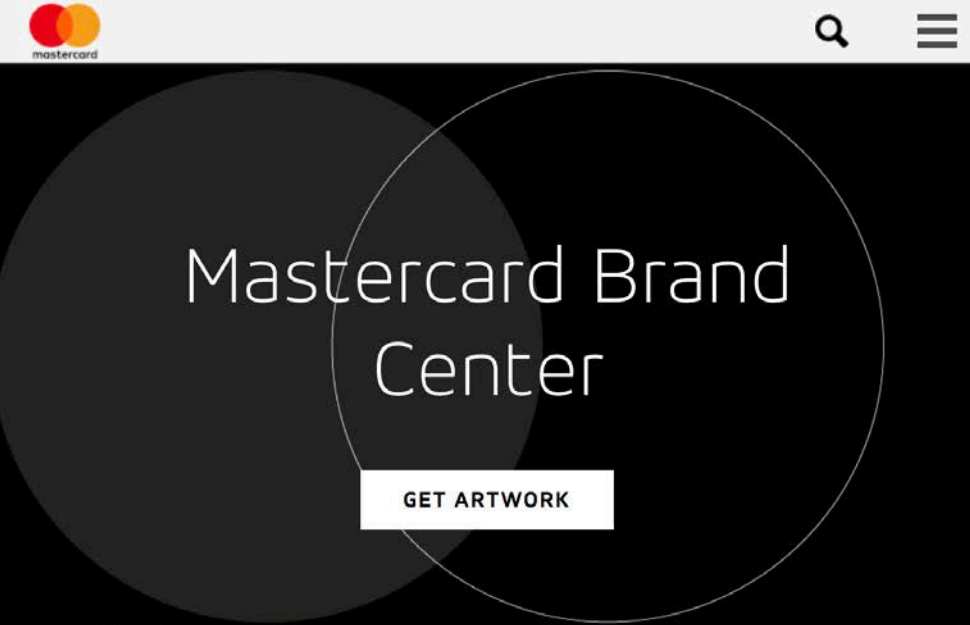
- Type
- Description
- Default value
- Required

**Generated!**

**Working examples with code**







# Style Guide

Brand Identity

Voice and Tone

Design Language





**Don't build docs by hand**



# Why Generate Docs?



Code and docs in sync



More readable code



Enforced consistency

# Documentation Tools



GitHub Readme / Pages

React Storybook

React Styleguide

React Styleguidist

Atelier

Bluekit

Cosmos

These are all nice...but none of the popular React component libraries use these...



We're going custom.  
It's not much work. 😊



# Generating Custom Docs: The Plan

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TextInput

ComponentPage

Text input with integrated label to enforce consistency in layout, error display, label placement, and required field marker.

Examples

With error

First Name \*

First name is required.

[Hide Code](#)

```
import React from 'react';
import TextInput from 'ps-ui/TextInput';

/**
 * With error
 */
export default class ExampleOptional extends React.Component {
  render() {
    return (
      <TextInput
        htmlId="example-optional"
        label="First Name"
        name="firstname"
        onChange={() => {}}
        required
        error="First name is required."
      />
    )
  }
}
```

Optional field

First Name

[Show Code](#)

Props

Props

Name	Description	Type	Default	Required
htmlId	Unique HTML ID. Used for tying label to HTML input. Handy hook for automated testing.	string		X
name	Input name. Recommend setting this to match object's property so a single change handler can be used.	string		X
label	Input label	string		X

# npm Packages for Documentation

**react-docgen**

**Generate React component metadata**

**chokidar**

**Watch files**

**highlight.js**

**Syntax highlighted code examples**

**npm-run-all**

**Run parallel tasks**





Version: v0.16.7 ▼

Get Started ▼

Customization ▼

Components ^

App Bar

Auto Complete

Avatar

Badge

Bottom Navigation

Buttons ▼

Card

Chip

Date Picker

## 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



```
import React from 'react';
import AppBar from 'material-ui/AppBar';

/**
 * A simple example of `AppBar` with an icon on the right.
 * By default, the left icon is a navigation-menu.
 */
const AppBarExampleIcon = () => (
  <AppBar
    title="Title"
    iconClassNameRight="muidocs-icon-navigation-expand-more"
  />
);

export default AppBarExampleIcon;
```

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

```

import React, { PropTypes } from 'react';

/** Display progress between 0 and 100 percent. */
class ProgressBar extends React.Component {
  static defaultProps = {
    height: 5
  };

  render() {
    const {percent, width, height} = this.props;
    return (
      <div style={{border: 'solid 1px lightgray', width: width}}>
        <div style={{
          width: this.getProgressWidth(width, percent),
          height,
          backgroundColor: this.getColor(percent)
        }} />
      </div>
    );
  }
}

ProgressBar.propTypes = {
  /** Percent of progress completed */
  percent: PropTypes.number.isRequired,

  /** Bar width */
  width: PropTypes.number.isRequired,

  /** Bar height */
  height: PropTypes.number
};

export default ProgressBar;

```



```

{
  "name": "ProgressBar",
  "description": "Display progress between 0 and 100 percent",
  "props": {
    "percent": {
      "type": {
        "name": "number"
      },
      "required": true,
      "description": "Percent of progress completed"
    },
    "width": {
      "type": {
        "name": "number"
      },
      "required": true,
      "description": "Bar width"
    },
    "height": {
      "type": {
        "name": "number"
      },
      "required": false,
      "description": "Bar height",
      "defaultValue": {
        "value": "5",
        "computed": false
      }
    }
  }
}

```

# TextInput

Text input with integrated label to enforce consistency in layout, error display, label placement, and required field marker.

## Examples

### With error

First Name \*

First name is required.

[Hide Code](#)

```
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import TextInput from 'ps-ui/TextInput';

/**
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export default class ExampleOptional extends React.Component {
  render() {
    return (
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        name="firstname"
        onChange={() => {}}
        required
        error="First name is required."
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    )
  }
}
```

CodeExample

### Optional field

First Name

[Show Code](#)

## Props

Name	Description	Type	Default	Required
htmlId	Unique HTML ID. Used for tying label to HTML input. Handy hook for automated testing.	string		X
name	Input name. Recommend setting this to match object's property so a single change handler can be used.	string		X
label	Input label	string		X

# Demo



## Custom component documentation



# Syntax Highlighting

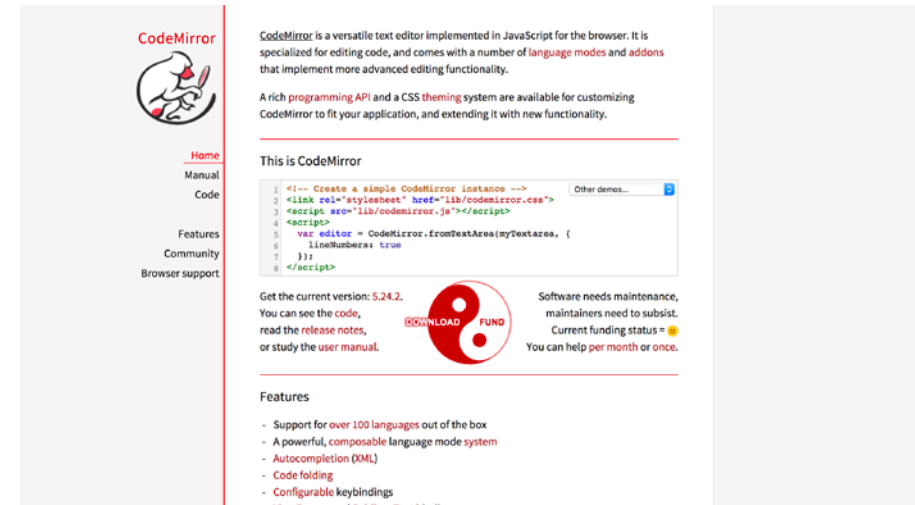
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# Syntax Highlighting



Highlight.js



Codemirror



# highlight.js

*Syntax highlighting for the Web*

```
import Html exposing (div, button, text)
import Html.App exposing (beginnerProgram)
import Html.Events exposing (onClick)

type Msg
  = Increment

main =
  beginnerProgram
    { model = 0, view = view
    , update = \Increment model -> model + 1 }

view model =
  div [] [ div [] [ text (toString model) ]
    , button [ onClick Increment ] [ text "+" ] ]
```

language: [elm](#)

style: [railscasts](#)

- [169 languages and 77 styles](#)
- automatic language detection
- multi-language code highlighting
- available for node.js
- works with any markup
- compatible with any js framework

**Get version 9.9.0**

[Usage](#)



This repository

Search


Pull requests

Issues

Gist



 **akiran** / **react-highlight**

 Watch ▾

6

★ Star

160

 Fork

24

<> Code

! Issues 7

 Pull requests 1

 Projects 0


 Wiki

 Pulse

 Graphs

React component for syntax highlighting

 45 commits

 1 branch

 0 releases

 5 contributors

 MIT

Branch: master ▾


New pull request

Create new file












Upload files

Find file

Clone or download ▾

 **akiran** cleanup package.json

Latest commit d11510d on Sep 3, 2016

 docs	Added some docs	a year ago
 src	Add the option to pass required element in which code should render	11 months ago
 test	Add the option to pass required element in which code should render	11 months ago
 .eslintrc	Add the option to pass required element in which code should render	11 months ago
 .gitignore	Fixed #5. Publishing jsx to js transformed files to npm	2 years ago
 .npmignore	Fixed #5. Publishing jsx to js transformed files to npm	2 years ago
 .travis.yml	Added travis ci config	2 years ago
 LICENSE	Initial commit	2 years ago
 README.md	updated docs	11 months ago
 gulpfile.js	Added component for syntax highlighting	2 years ago
 index.is	Fixed #5. Publishing isx to is transformed files to npm	2 years ago



# Demo



Add syntax highlighting with Highlight.js



# Documentation Enhancements

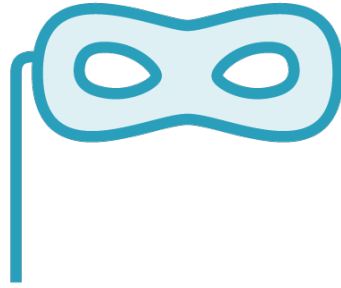
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# Potential Doc Enhancements



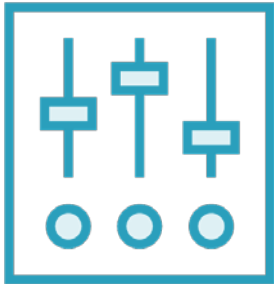
Search



Hide “internals”



Group components



Live prop toggles



Markdown support



Live code editing



## Wrap Up



### Generated rich documentation

- Automatically generated
- Rebuilds upon save
- Includes:
  - Description
  - Working examples
  - Code example
  - Props

**Next up: Reusable component design**

