

Twitter

@nikgraf

Open Source

Carte Blanche

DraftJS Plugins

Serverless

Belle

Once upon a time

Once upon a time
rich text editing was hard

DraftJS

DraftJS is a framework for building rich text editors in React built and used within Facebook.

Nik Home

Photo/Video Photo/Video Album

Hello

8 20+ 20+

Max Stoiber and 4 others commented on this.

Max Stoiber ► Developers in Vie
33 mins ·

Super excited to announce the release
Maddern!

<heart> Visual primitives for the component
The best way to style your React apps, ma

See more

Elements Console Sources Network Timeline Profiles >

```
<div class="_5rp7">
  <div class="_5rpb">
    <div aria-autocomplete="list" aria-expanded="false" aria-haspopup="false" aria-owns="js_k" class="_5rpu" contenteditable="true" role="combobox" spellcheck="true" style="outline: none; white-space: pre-wrap; word-wrap: break-word;">
      <div data-contents="true">
        <div data-block="true" data-editor="cbi4s" data-offset-key="12qgc-0-0">
          <div data-offset-key="12qgc-0-0" class="_1mf _1mj">
            <span data-offset-key="12qgc-0-0"> == $0
              <span data-text="true">Hello</span>
            </span>
          </div>
        </div>
      </div>
    </div>
  </div>
</div>
```

State \longleftrightarrow Representation (DOM)

Convert state to JSON

&

Restore the state from JSON

How to use Draft.js?

```
import React from 'react';
import { Editor, EditorState } from 'draft-js';

class MyEditor extends React.Component {

  state = {
    editorState: EditorState.createEmpty()
  };

  onChange = (editorState) => this.setState({ editorState });

  render() {
    return (
      <Editor
        editorState={ this.state.editorState }
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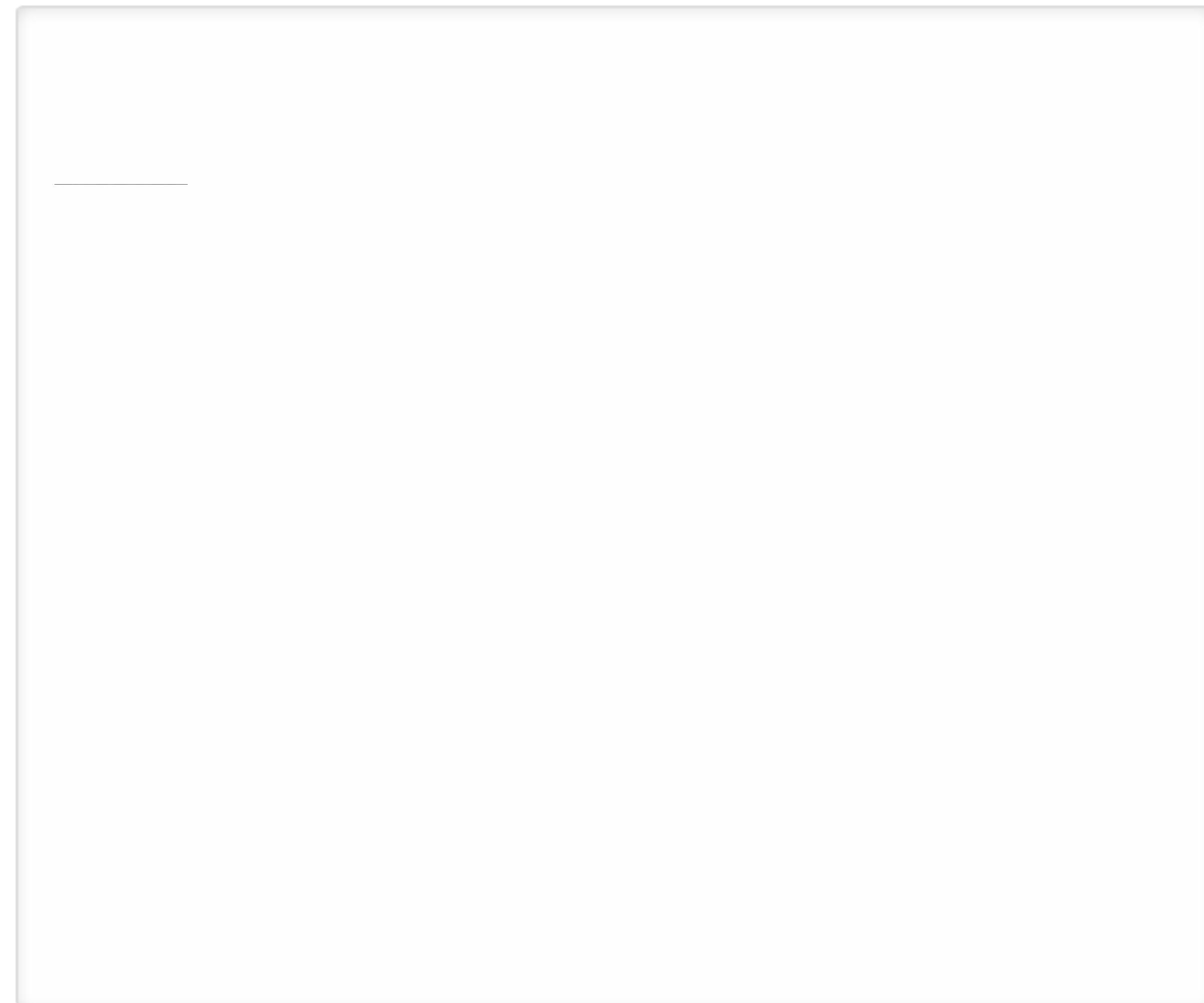
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```
<Editor
  editorState={editorState}
  blockRendererFn={this.blockRendererFn}
  blockStyleFn={this.props.blockStyleFn}
  onChange={this.onChange}
  onTab={this.onTab}
  blockRenderMap={this.props.blockRenderMap}
  handleKeyCommand={this.handleKeyCommand}
  handleBeforeInput={this.handleBeforeInput}
  handleDroppedFiles={this.handleDroppedFiles}
  handleReturn={this.handleReturn}
  customStyleMap={this.props.customStyleMap}
  readOnly={!editorEnabled}
  keyBindingFn={this.props.keyBindingFn}
  placeholder={this.props.placeholder}
  spellCheck={editorEnabled && this.props.spellCheck}
/>
```


Hashtag

Hello I can be a Hashtag

```
import React from 'react';
import { EditorState } from 'draft-js';
import Editor from 'draft-js-plugins-editor';
import createHashtagPlugin from 'draft-js-hashtag-plugin';

const hashtagPlugin = createHashtagPlugin();

class MyEditor extends React.Component {

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    editorState: EditorState.createEmpty()
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  render() {
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        onChange={ this.onChange }
        plugins={[hashtagPlugin]}
      />
    );
  }
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```

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}
```

Mention

Simply mention your friends |



```
const mentions = [
  {
    name: 'Matthew Russell',
    link: 'https://twitter.com/mrussell247',
    avatar: 'https://pbs.twimg.com/profile_images/517863945/mattsailing_400x400.jpg',
  },
  {
    name: 'Julian Krispel-Samsel',
    link: 'https://twitter.com/juliandoesstuff',
    avatar: 'https://pbs.twimg.com/profile_images/477132877763579904/m5bFc8LF_400x400.png',
  },
  {
    name: 'Jyoti Puri',
    link: 'https://twitter.com/jyopur',
    avatar: 'https://pbs.twimg.com/profile_images/705714058939359233/IaJoIa78_400x400.jpg',
  },
];
export default mentions;
```

```
import React from 'react';
import { EditorState } from 'draft-js';
import Editor from 'draft-js-plugins-editor';
import createMentionPlugin, {
  defaultSuggestionsFilter
} from 'draft-js-mention-plugin';
import mentions from './mentions';

const mentionPlugin = createMentionPlugin();
const { MentionSuggestions } = mentionPlugin;
```

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const mentionPlugin = createMentionPlugin();
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```

```
class MyEditor extends React.Component {
  state = {
    editorState: EditorState.createEmpty(),
    suggestions: mentions,
  };

  onChange = (editorState) => this.setState({ editorState });

  onSearchChange = ({ value }) => {
    this.setState({
      suggestions: defaultSuggestionsFilter(value, mentions),
    });
  };

  render() {
    return (
      <div>
        <Editor
          editorState={editorState}
          onChange={onChange}
          plugins={[mentionPlugin]}
        />
        <MentionSuggestions
          onSearchChange={this.onSearchChange}
          suggestions={this.state.suggestions}
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        />
      </div>
    );
  }
}
```

Emoji

Cool, and of course Emoji support 🌱⛄🎉🐒👉



Image (+ resize and drag&drop)

You can have images in your text field. This is a very rudimentary example, but you can enhance the image plugin with resizing, focus or alignment plugins.



See advanced examples further down ...

Side Toolbar

A first blog post

The coolest numbers

Inline Toolbar

In this editor a toolbar shows up once you select part of the text ...



The Goals

Make rich text editing
pluggable & easy to grasp.

All plugins must customisable.

And they all lived happily ever after.

Not yet!

1.0

Mentions
Hashtag
Counter
Sticker
Emoji
Undo

2.0 soon

Inline Toolbar
Side Toolbar
Image
Resize
Drag & Drop
Focus

The End

Thanks for listening!

<https://github.com/nikgraf>

<https://twitter.com/nikgraf>