

RIOT 入門と冬休みの宿題

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Riotjs?

RIOT

ユーザーインターフェース

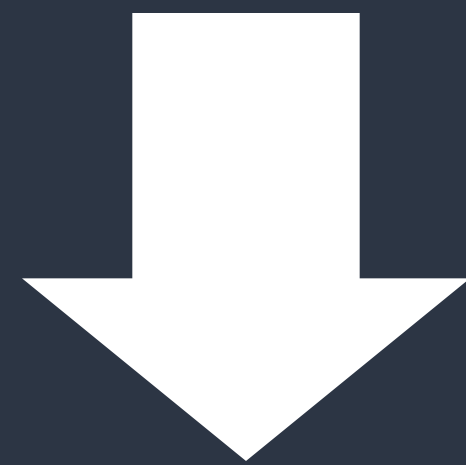
UI

マイクロライブラリー

RIOT

jQuery?

変化を定義 (jQuery)



見た目を定義

React

Angular

Polymer

Vue

RIOT

JavaScriptハードコア

HTMLハードコア

React

Angular

Polymer

ゆとり世代

Vue

未来派

RIOT

ネイティブ ゆとり世代

やすらかに、jQuery

試してみよう。

RIOT

Twitter Facebook Google+ LinkedIn Plus

FILES

app.html

index.html

New file

VERSIONS 6

PLUNK

Description:

Tags:

Enter tags

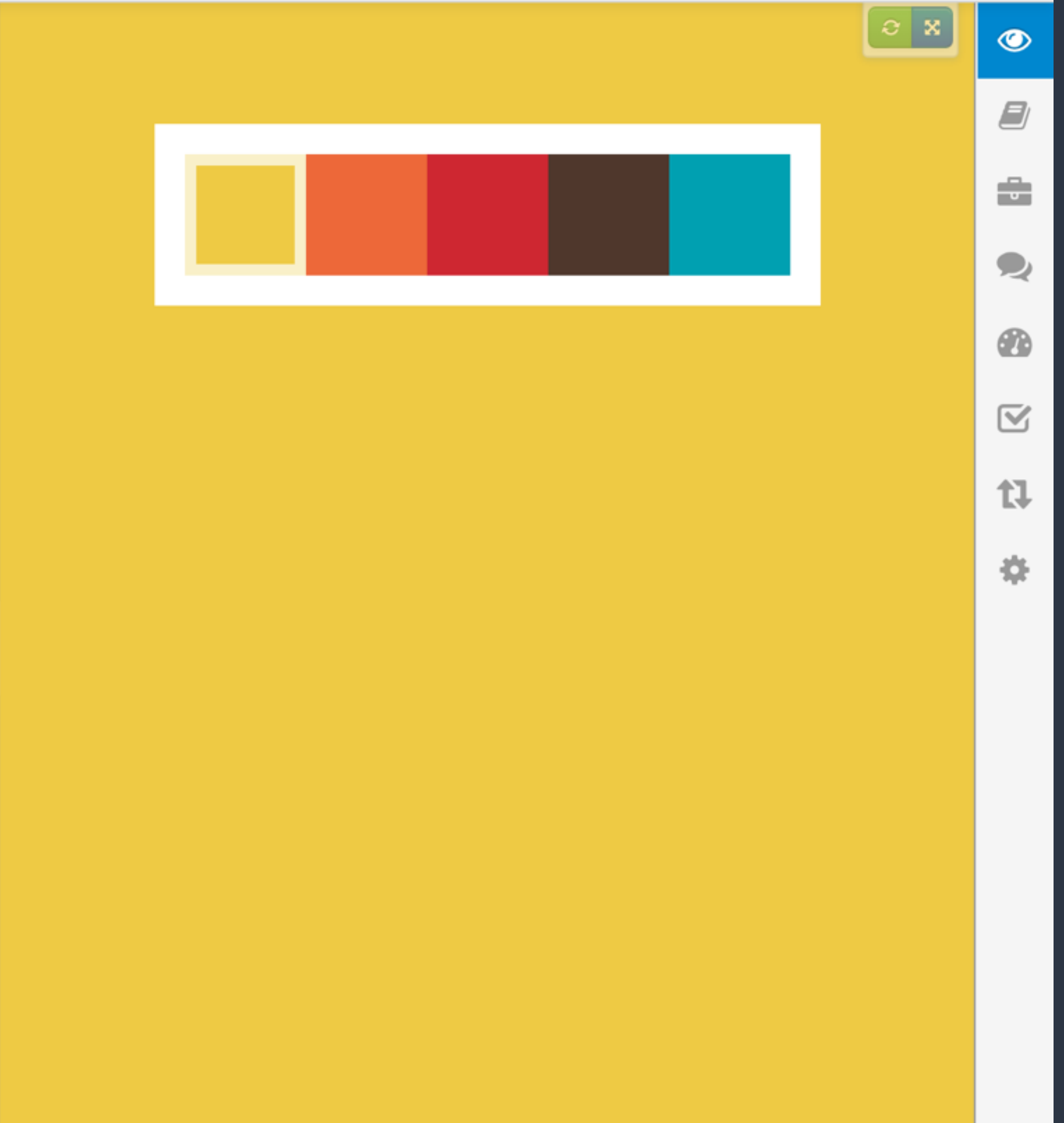
User:

cognitom

Privacy:

private plunk

```
1 <!doctype html>
2 <html>
3
4 <head>
5   <title>Color Palette</title>
6   <meta http-equiv="X-UA-Compatible" content="IE=edge">
7 </head>
8
9 <body>
10   <app></app>
11
12   <!-- riot tags -->
13   <script type="riot/tag" src="app.html"></script>
14
15   <!-- scripts we need -->
16   <script src="https://cdn.rawgit.com/riot/riot/master/riot+compiler.js"></script>
17
18   <!-- mount this app -->
19   <script>
20     riot.compile(function() {
21       riot.mount('*')
22     })
23   </script>
24
25   <style>
26     body {
27       font-size: 200%;
28       margin: 0;
29       padding: 2em;
30       text-align: center;
31       background: #eee;
32     }
33   </style>
34 </body>
35
36 </html>
37
```



bit.ly/riot-1

RIOT

- Custom tags = ***Component***
- Enjoyable syntax
- Virtual DOM
- ***Tiny size:*** library, learning cost, your code

なんでRiot?

The Riot logo consists of the word "RIOT" in white, uppercase, sans-serif font, centered within a red rounded rectangle.

RIOT

riot.min.js

18KB

gzip 8KB

ちっちやい

RIOT

Ember	493KB
Angular	145KB
React	133KB
Polymer with Polyfill	218KB
Riot	18KB

比べてみる

RIOT

React

```
var TodoApp = React.createClass({
  getInitialState: function() {
    return {items: [], text: ''};
  },
  onChange: function(e) {
    this.setState({text: e.target.value});
  },
  handleSubmit: function(e) {
    e.preventDefault();
    var nextItems = this.state.items.concat([this.state.text]);
    var nextText = '';
    this.setState({items: nextItems, text: nextText});
  },
  render: function() {
    return (
      <div>
        <h3>TODO</h3>
        <TodoList items={this.state.items} />
        <form onSubmit={this.handleSubmit}>
          <input onChange={this.onChange} value={this.state.text} />
          <button>'Add #' + (this.state.items.length + 1)</button>
        </form>
      </div>
    );
  }
});
```

Riot

```
<todo>

  <!-- layout -->
  <h3>{ opts.title }</h3>

  <ul>
    <li each={ item, i in items }>{ item }</li>
  </ul>

  <form onSubmit={ add }>
    <input>
    <button>Add #{ items.length + 1 }</button>
  </form>

  <!-- logic -->
  <script>
    this.items = []

    add(e) {
      var input = e.target[0]
      this.items.push(input.value)
      input.value = ''
    }
  </script>
</todo>
```

JS in HTML

RIOT

```
<style scoped>
  :scope {
    display: block;
    text-align: center;
    color: #666; ■
  }
  header {
    background: #72A7EE; ■
    padding: 2em;
    margin-bottom: 1em;
  }
  footer {
    color: #ccc; ■
    padding: 1em;
  }
</style>
```

- CSS with scope
- independent
- ***no more BEM!***

Scoped CSS

RIOT

```
<!-- place the custom tag anywhere inside body -->
```

```
<todo></todo>
```

```
<!-- include tag files -->
```

```
<script src="todo.tag" type="riot/tag"></script>
```

```
<!-- include riot.js -->
```

```
<script src="riot+compiler.min.js"></script>
```

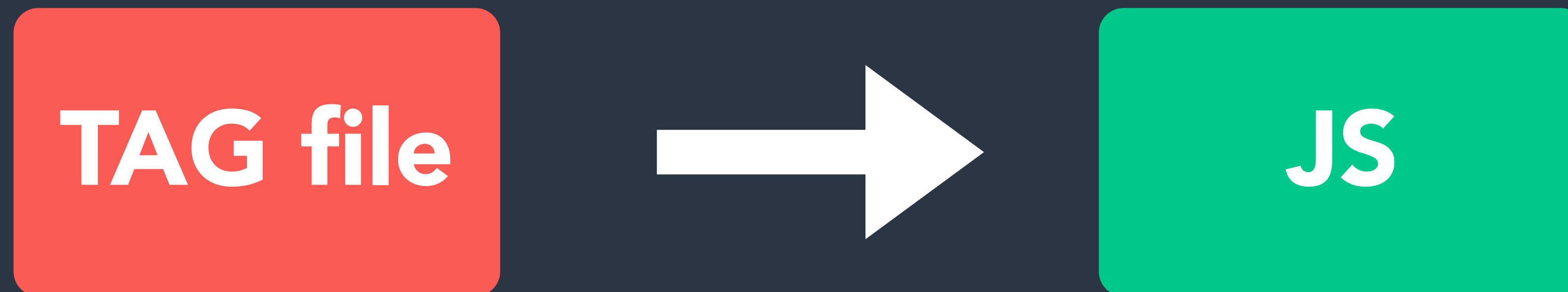
```
<!-- mount tags -->
```

```
<script> riot.mount('todo') </script>
```

DOMにマウント

RIOT

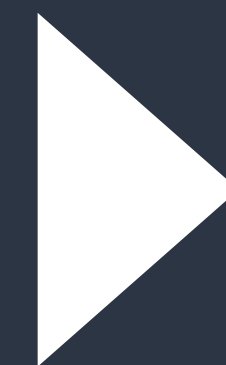
```
$ npm install -g riot  
$ riot filename.tag
```



コンパイル

RIOT

```
<my-tag>
  <p>{ message }</p>
  <style>p { color:white }</style>
  <script>...</script>
</my-tag>
```



```
riot.tag('my-tag',
  '<p>{ message }</p>',
  'p { color:white }',
  function(opts) {...}
)
```

コンパイル

RIOT

```
gulp.task 'build', ->  
  gulp.src './components/*.html'  
    .pipe compile()  
    .pipe concat 'riot-bootstrap.js'  
    .pipe gulp.dest $.dist
```

```
compile = () ->  
  map (file, cb) ->  
    file.contents = new Buffer riot.compile file.contents.toString()  
    file.path = file.path.replace /\.\.+?$/, '.js'  
    cb null, file
```

- gulp-riot
- riotify
- riotjs-loader

プリコンパイル

The RIOT logo consists of the word "RIOT" in white, uppercase, sans-serif font, centered within a red rounded rectangle.

```

module.exports = function(config) {
  config.set({
    basePath: '',
    frameworks: ['mocha', 'riot'],
    plugins: [
      'karma-mocha',
      'karma-mocha-reporter',
      'karma-phantomjs-launcher',
      'karma-riot'
    ],
    files: [
      'node_modules/expect.js/index.js',
      '*.tag',
      'test/**/*.js'
    ],
    preprocessors: {
      '**/*.tag': ['riot']
    },
    browsers: ['PhantomJS'],
    reporters: ['mocha'],
    singleRun: true
  })
}

```

```

describe('Application specs', function() {

  before(function() {
    // create mounting points
    var html = document.createElement('timer')
    document.body.appendChild(html)
  })

  it('mounts the tag', function() {
    var tag = riot.mount('timer')
    expect(document.querySelector('timer > p').textContent)
      .to.be('Seconds Elapsed: 0')
    tag[0].unmount(true)
  })

  it('mounts the tag with options', function() {
    var tag = riot.mount('timer', { start: 100 })
    expect(document.querySelector('timer > p').textContent)
      .to.be('Seconds Elapsed: 100')
    tag[0].unmount(true)
  })

  it('counts up the timer', function(done) {
    var tag = riot.mount('timer')
    setTimeout(function() {
      expect(document.querySelector('timer > p').textContent)
        .to.be('Seconds Elapsed: 1')
      tag[0].unmount(true)
      done()
    }, 1000)
  })
})

```

karma-riot

テスト

RIOT

reusables

<btn>

<fa>

<date-picker>

<dropdown>

<photo>

parts

<part1>

<part2>

views

<app>

組み立て

RIOT

reusables

<btn>

<fa>

<date-picker>

<dropdown>

<photo>

parts

<part1>

<part2>

views

<app>

route

observable

data store

組み立て

RIOT

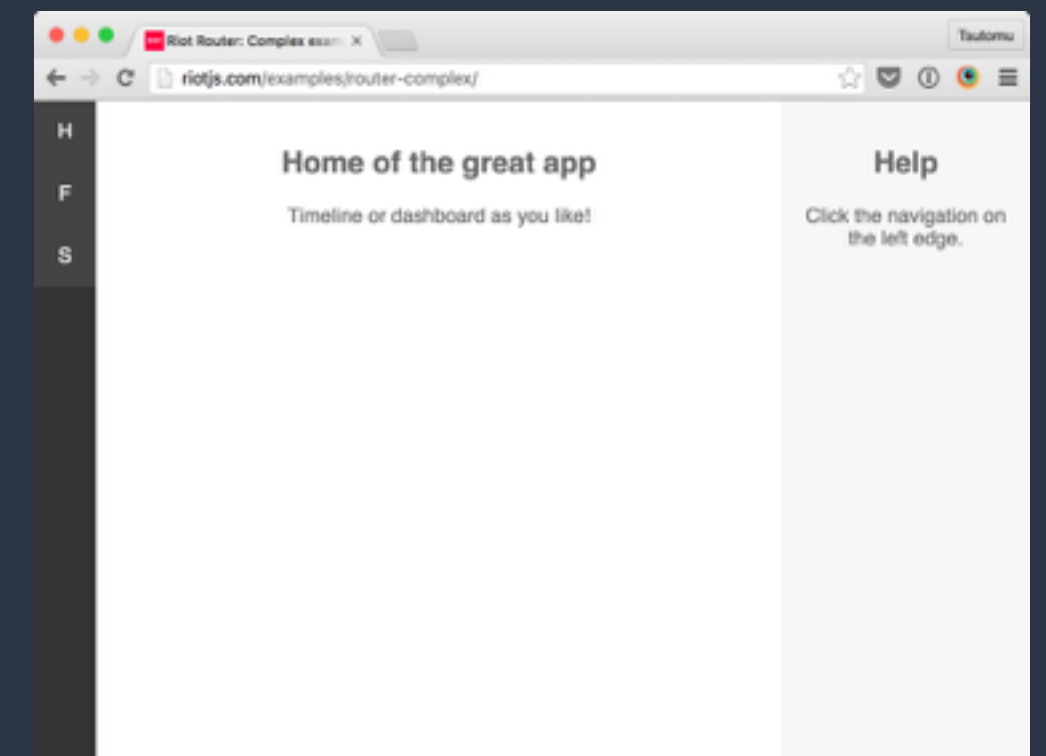
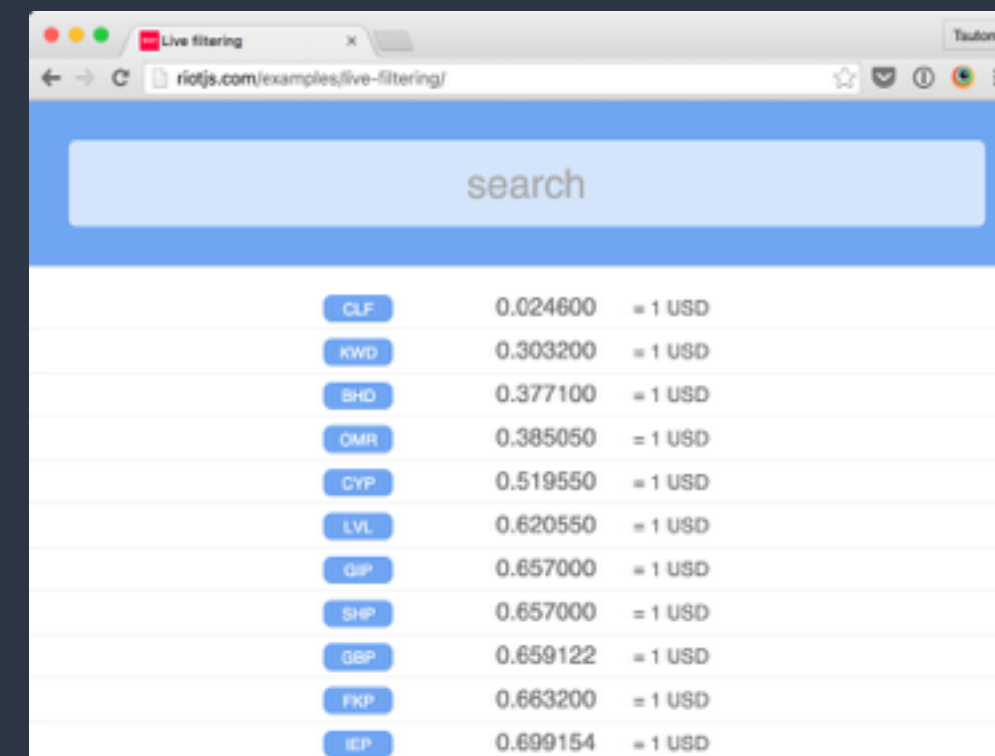
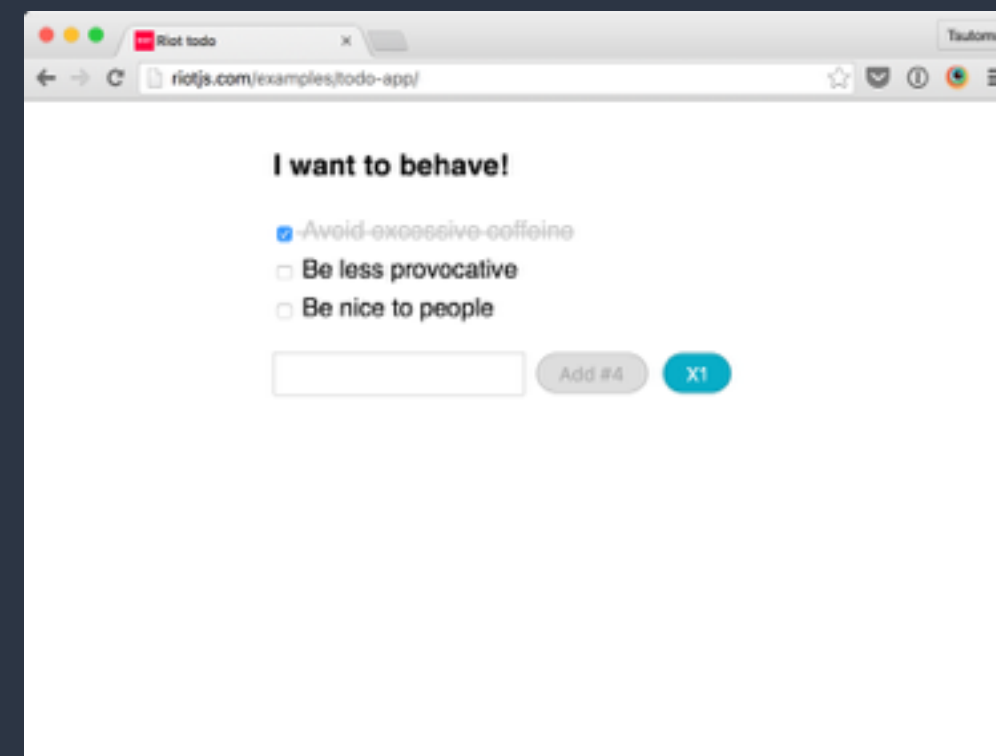
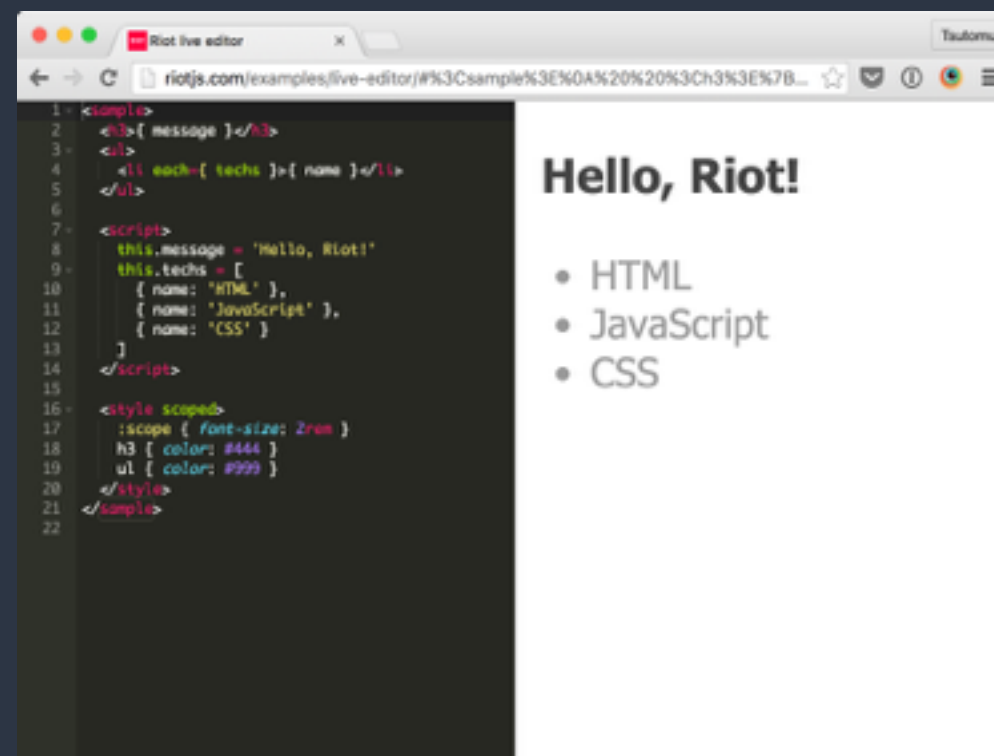
Flux Redux Page.js

Jade ES6 Less

あなたしだい

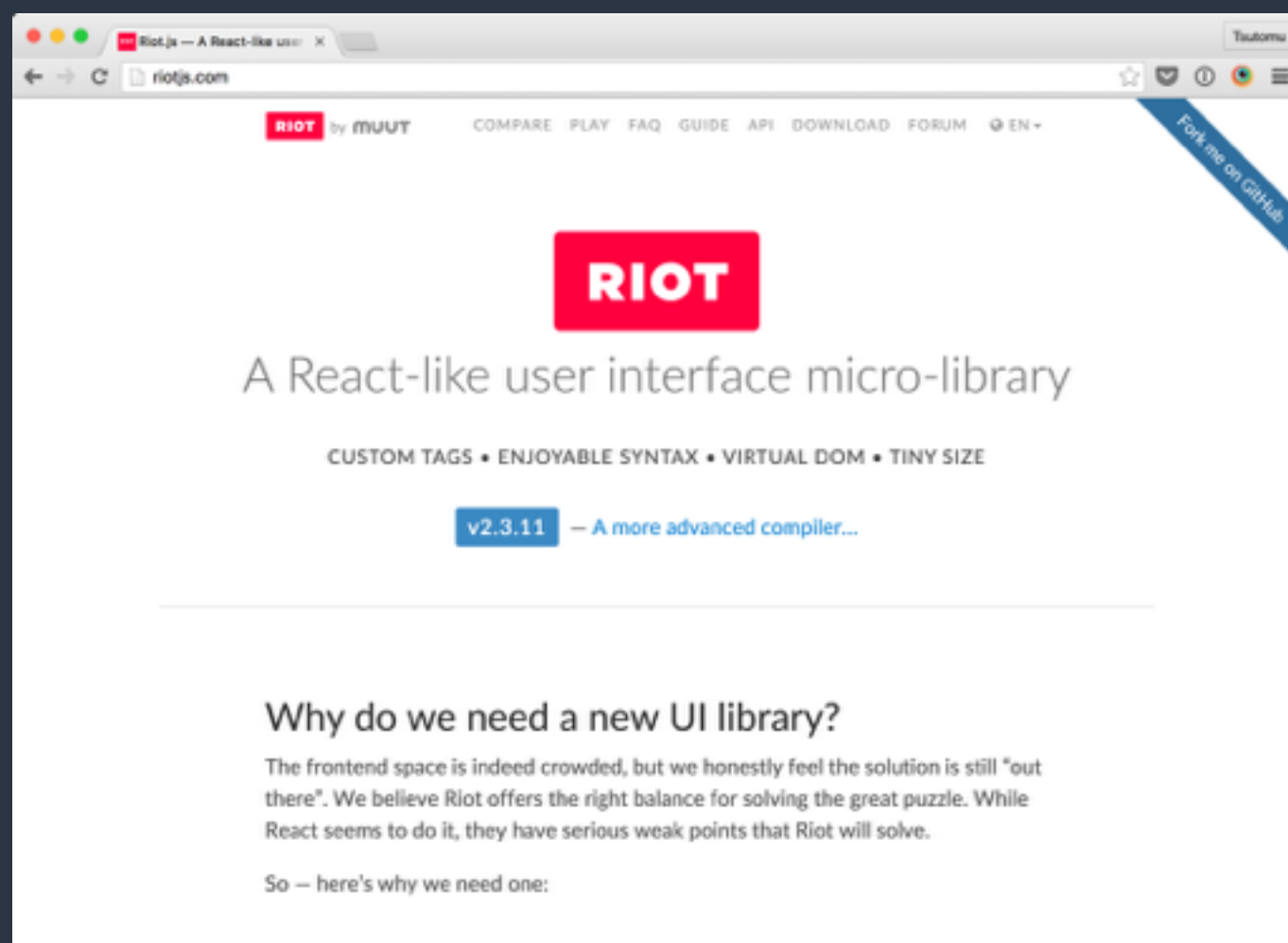
RIOT

github.com/riot/examples



公式用例集

RIOT



riotjs.com

EN

ES

RU

FR

ZH

JA

DE

ドキュメント

RIOT

RIOT

A React-like user interface micro-library

CUSTOM TAGS • ENJOYABLE SYNTAX • VIRTUAL DOM • TINY SIZE

v2.3.11 — [A more advanced compiler...](#)

Why do we need a new UI library?

The frontend space is indeed crowded, but we honestly feel the solution is still “out there”. We believe Riot offers the right balance for solving the great puzzle. While React seems to do it, they have serious weak points that Riot will solve.

So — here’s why we need one:



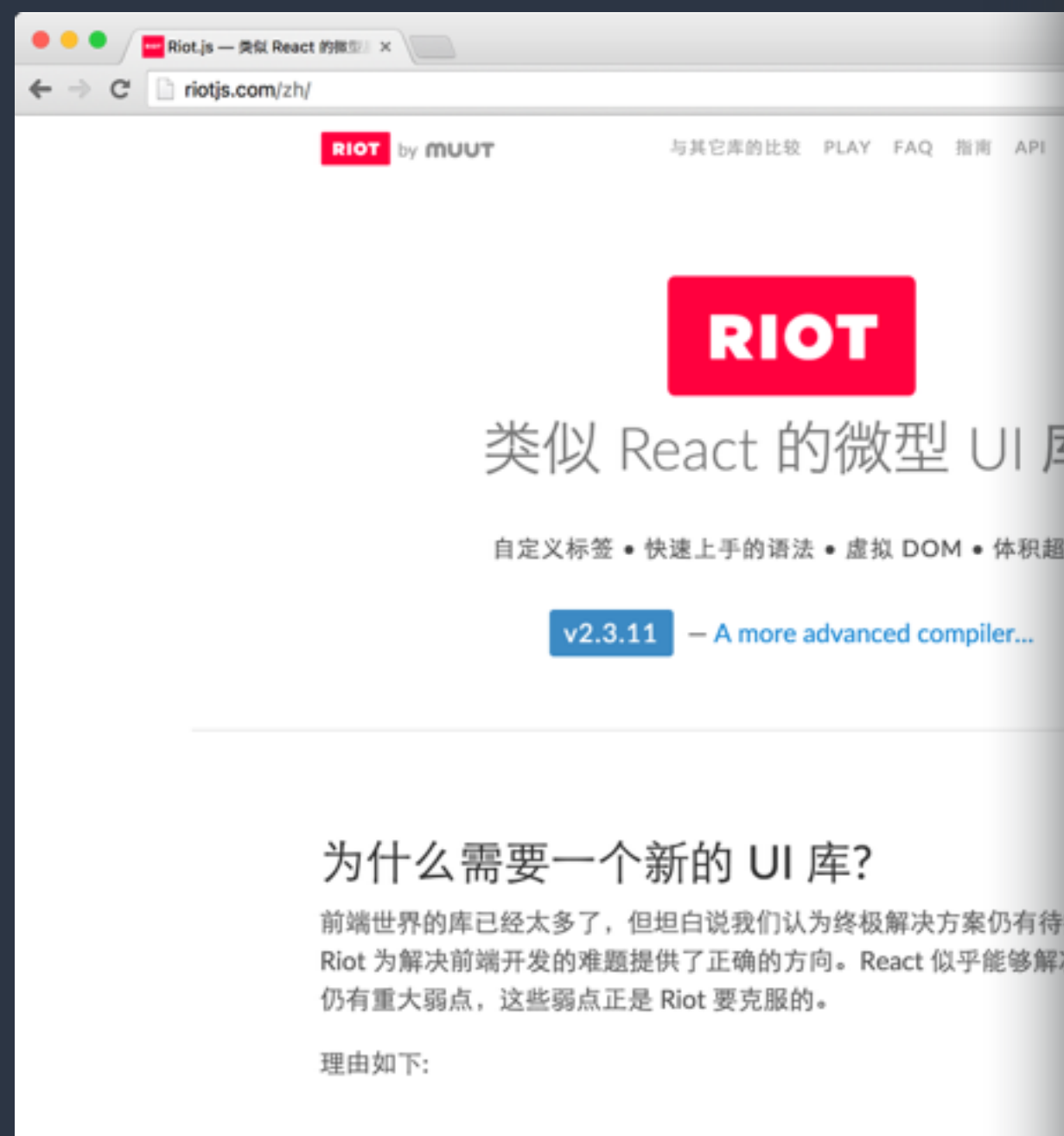
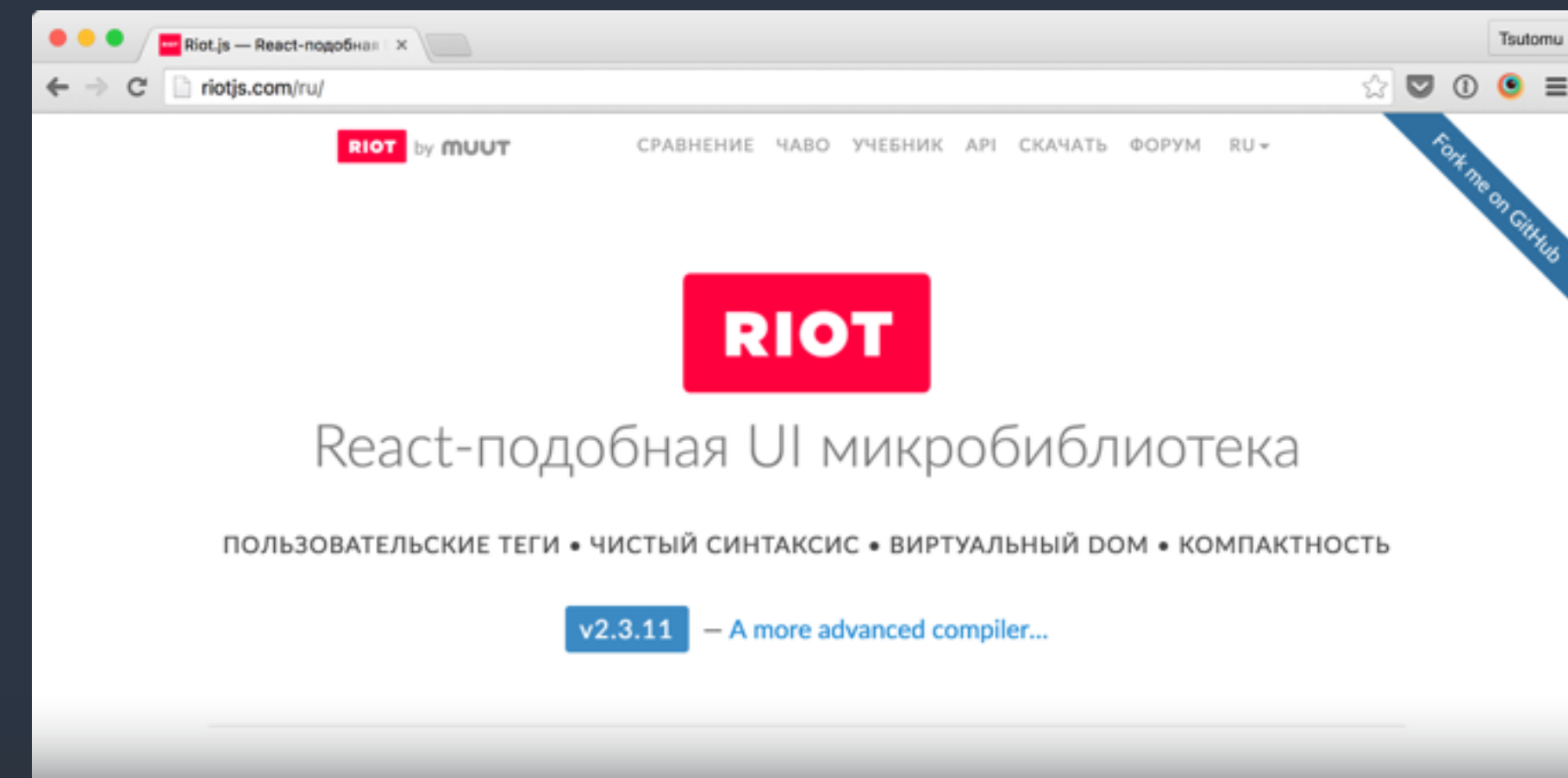
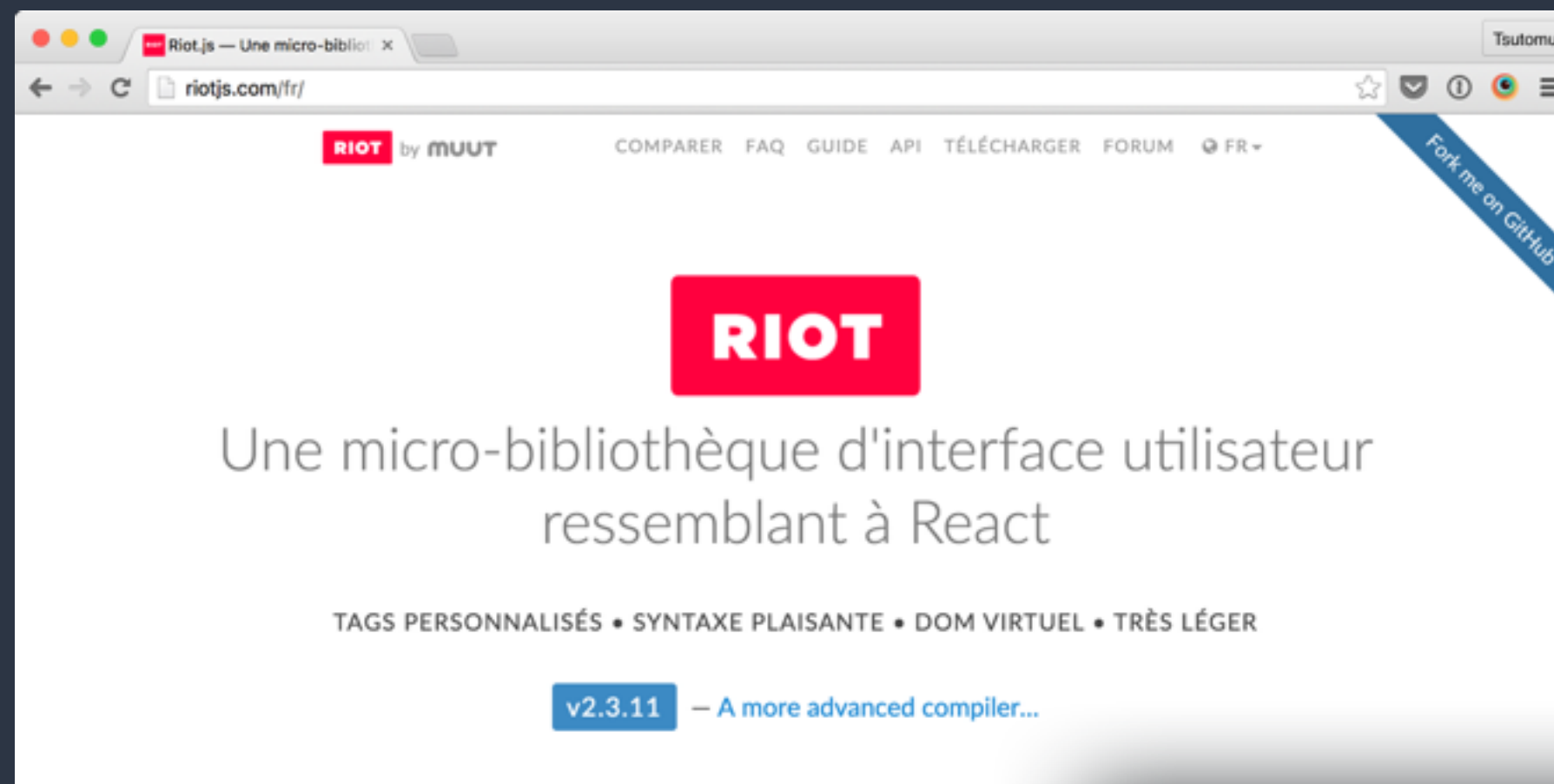
Una micro biblioteca para IU similar a React

ETIQUETAS PERSONALIZADAS • SINTAXIS AGRADABLE • DOM VIRTUAL • TAMAÑO MINÚSCULO

v2.3.11 — [A more advanced compiler...](#)

¿Porqué necesitamos otra biblioteca para IU?

El espacio de los frentes para aplicaciones está repleto pero, honestamente, sentimos que la solución aun está "allá afuera". Creemos que Riot ofrece el balance correcto para resolver el gran rompecabezas. Mientras React parece hacerlo, tiene serios puntos débiles que Riot resuelve.



なぜ新しいUIライブラリが必要なのか

フロントエンドの世界には、ライブラリが溢れてはいるものの、正直なところソリューションはまだ「そこにはない」と感じています。僕たちは、この大きなパズルを解くために、Riotという最良のバランスを見つけました。Reactが果たしかけたに見えたものの、重大な弱点を残している点、それをRiotは解決します。

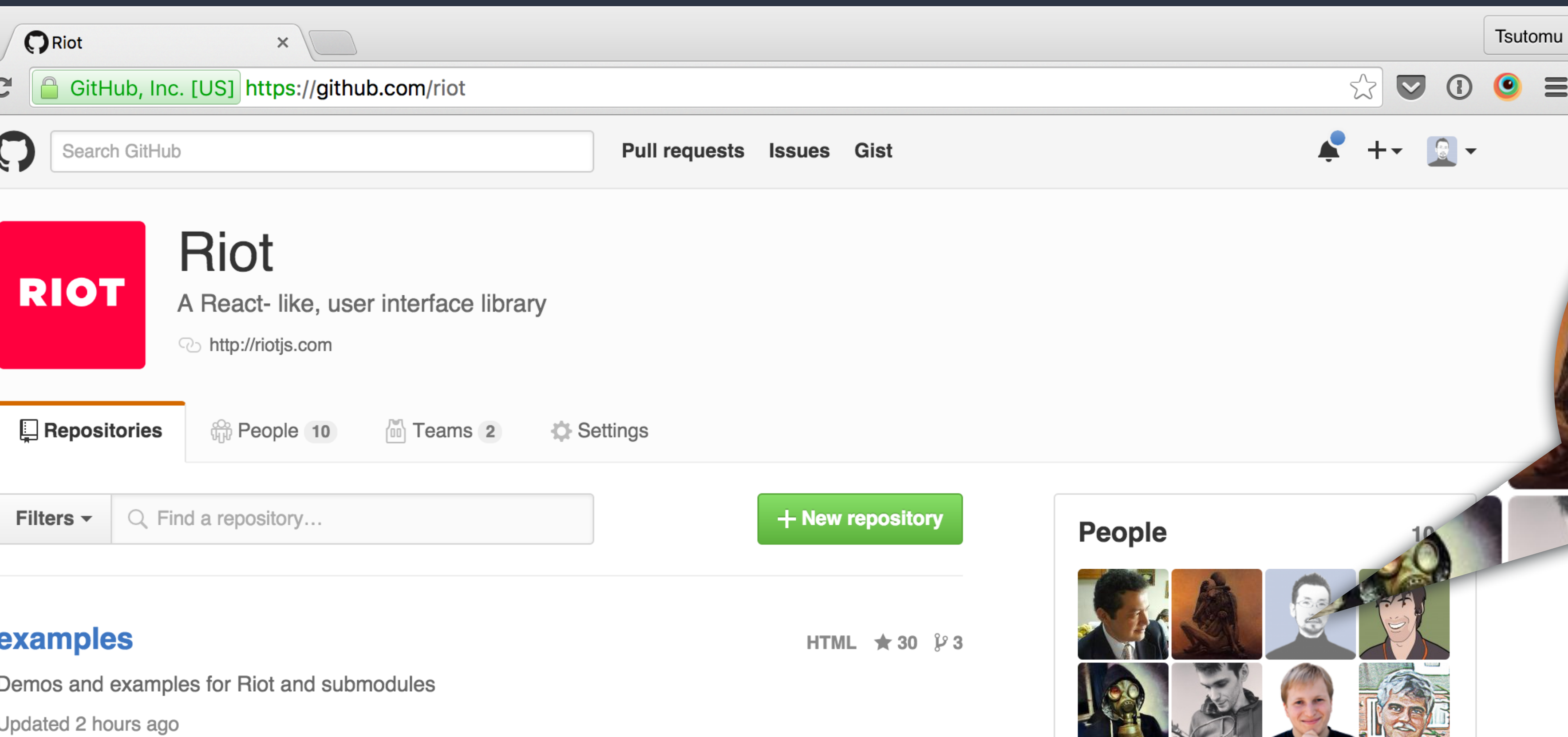
今から使える

RIOT

冬休みの宿題 = Riot

RIOT

Thank you!



A screenshot of a web browser displaying the GitHub repository page for 'Riot'. The browser's address bar shows 'https://github.com/riot'. The page header includes the GitHub logo, a search bar, and navigation links for 'Pull requests', 'Issues', and 'Gist'. The repository name 'Riot' is prominently displayed with a red 'RIOT' logo. Below the name, it says 'A React- like, user interface library' and provides the website 'http://riotjs.com'. A sidebar on the left shows 'Repositories', 'People 10', 'Teams 2', and 'Settings'. A green button labeled '+ New repository' is visible. The main content area shows the repository details, including a list of 'People' who contributed to the repository. The page is updated 2 hours ago.

Riot

A React- like, user interface library

<http://riotjs.com>

Repositories

People 10

Teams 2

Settings

Filters Find a repository...

+ New repository

HTML ★ 30 3

examples

Demos and examples for Riot and submodules

Updated 2 hours ago

