

Build PhoneGap apps with Vue.js and Framework7



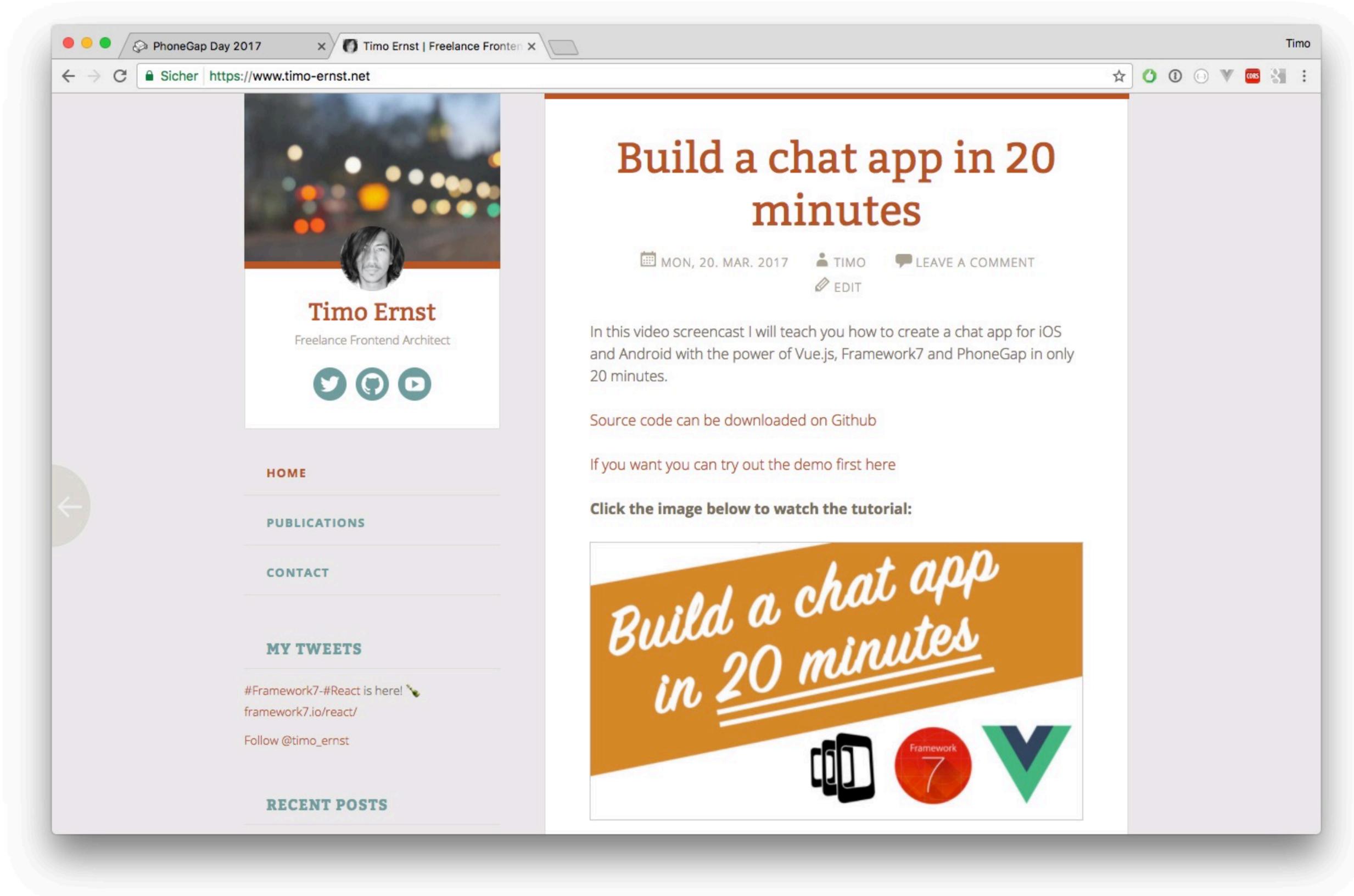


Timo Ernst

Software Engineer, Freelance
Blogger & YouTuber

Studied Media Computer Science
University of Ulm, Germany

❤️ to create apps and websites with UX in mind



Build a chat app in 20 minutes

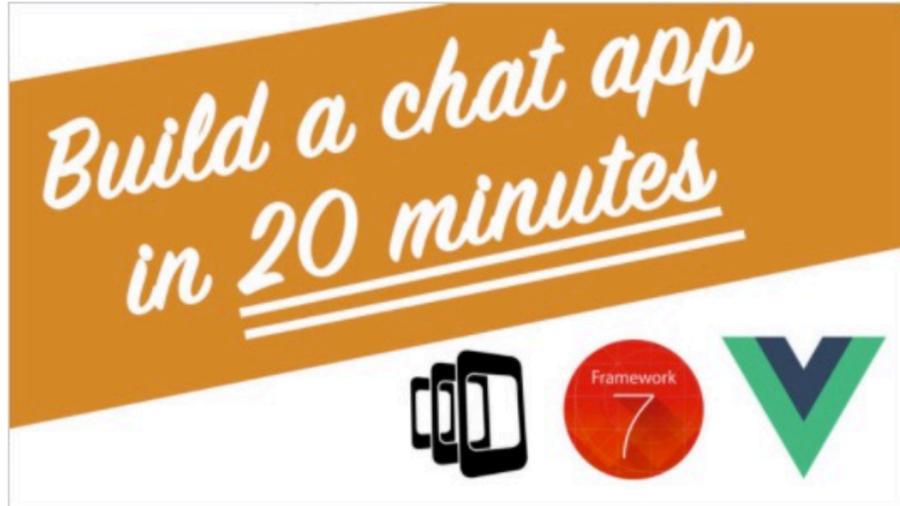
MON, 20. MAR. 2017 TIMO LEAVE A COMMENT
EDIT

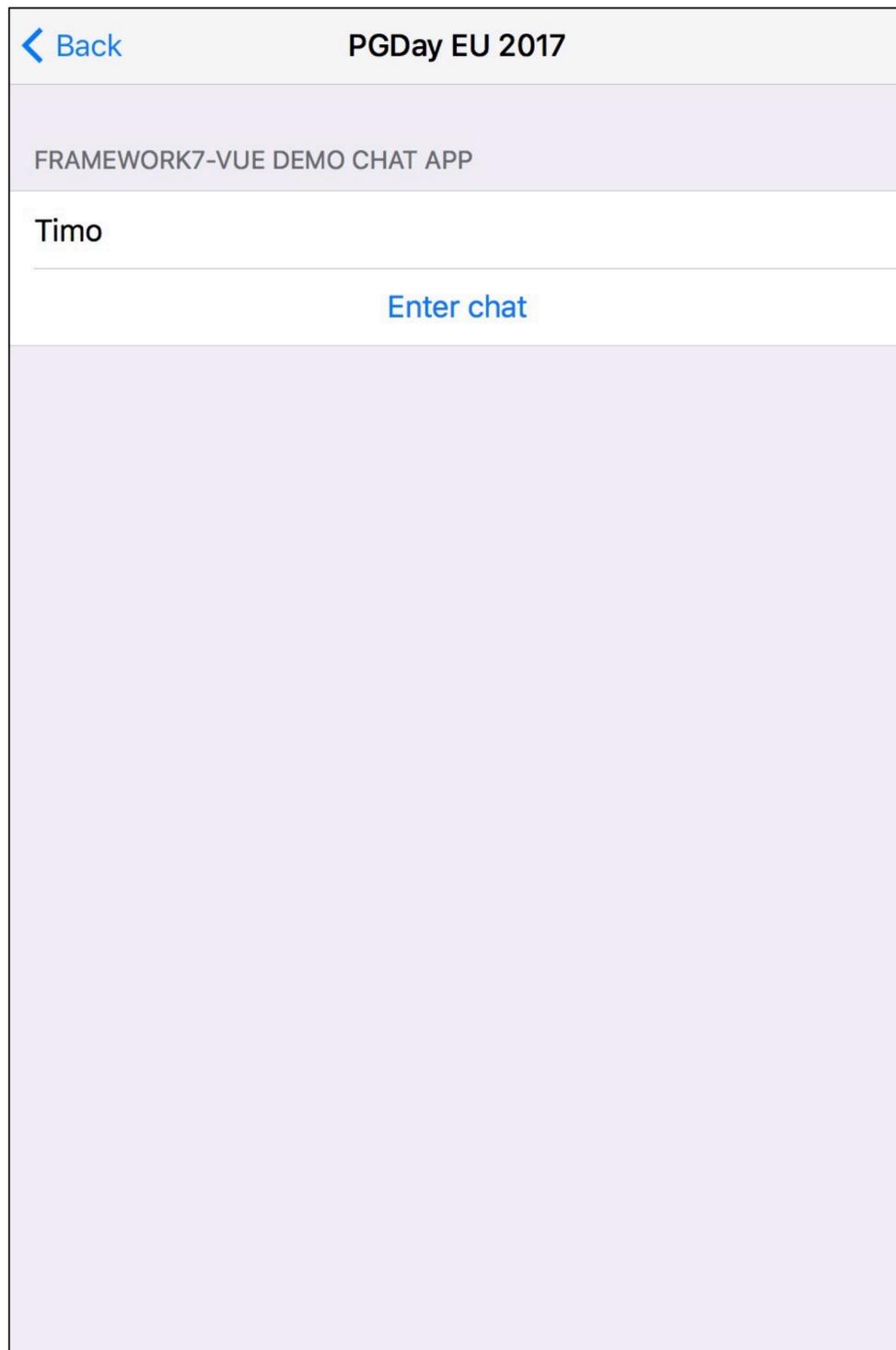
In this video screencast I will teach you how to create a chat app for iOS and Android with the power of Vue.js, Framework7 and PhoneGap in only 20 minutes.

Source code can be downloaded on Github

If you want you can try out the demo first here

Click the image below to watch the tutorial:





pgchat.eu

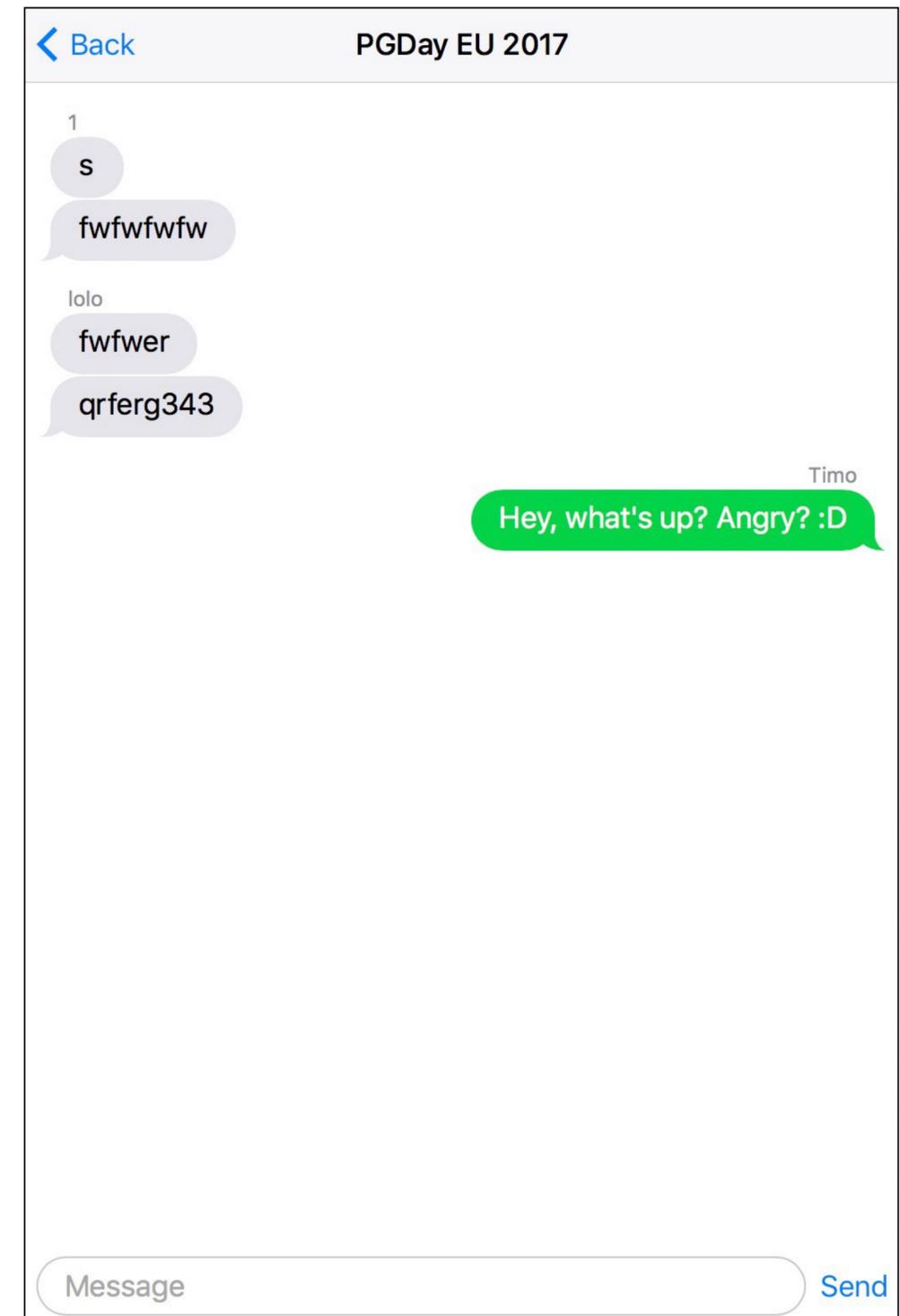
Chat app built with Vue, F7
and PhoneGap

Open Source

131 lines JavaScript Code
(763 bytes)
82 lines HTML

Ask questions during the talk

No dick pix pls :-)



Link collection available via

timo-ernst.net/pgday



Disclaimer

**I'm not creator of any
of these projects.**

**In my free time I only
contribute and support
as a part of the open
source community.**



Vue.js

Uprising, component-based MVVM framework

Made by **Evan You**

Simple, easy to use

It's fast!

Plain HTML, CSS, JavaScript



This will run natively

```
<div id="app">  
  {{ message }}  
</div>
```

```
new Vue({  
  el: '#app',  
  data: {  
    message: 'Hello Vue!'  
  }  
})
```

This won't :-)

```
<div id="app">  
</div>
```

```
React.render(  
  <Greeting>Hello JSX</Greeting>,  
  document.getElementById('app');  
);
```



I hate tools

Native ES6 modules with Vue.js

Are we there yet?

Modules	Chrome*	Edge	Safari	Firefox
Shipped	🏁	🏁	🚢	🏁
<code><script type="module"></code>	M60	15	10.1	54
<code><script nomodule></code>	M60	Issue	Preview	Issue
Other Features...	Chrome	Edge	Safari	Firefox
ES6 support (Kangax)	97%	96%	100%	97%
Promises	✓	✓	✓	✓
<code>window.fetch</code>	✓	✓	✓	✓
Async/Await	✓	✓	✓	✓
CSS Variables	✓	✓	✓	✓
Custom Elements	✓	via Polyfill	✓	via Polyfill
Shadow DOM	✓	?	✓	?

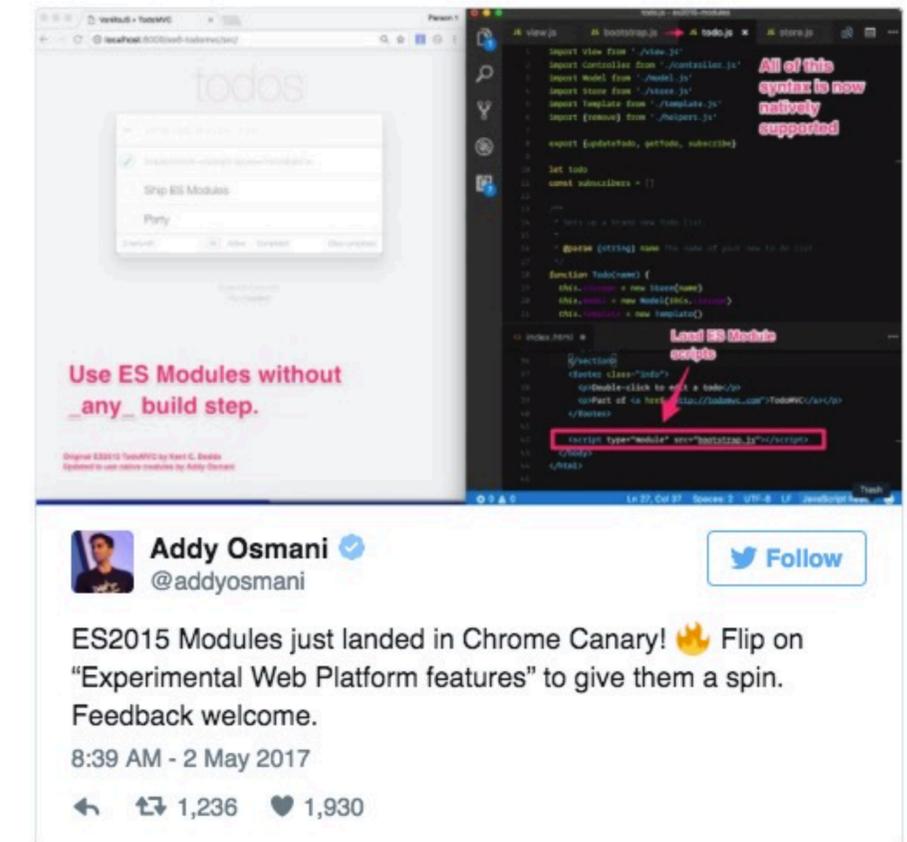


Table by Sam Thorogood @samthor

Ok, but what about Cordova/PhoneGap?



Thanks a lot to Kerri who provided the following info to me!

@kerrishotts



UIWebView

Nope

WKWebView

CORS failure when served from file:///

403 when served via local webserver plugin

Works for /external/ but no support for <nomodule>



「(ツ)」

Browsers are on a good way

Webview needs to catch up

Until then:

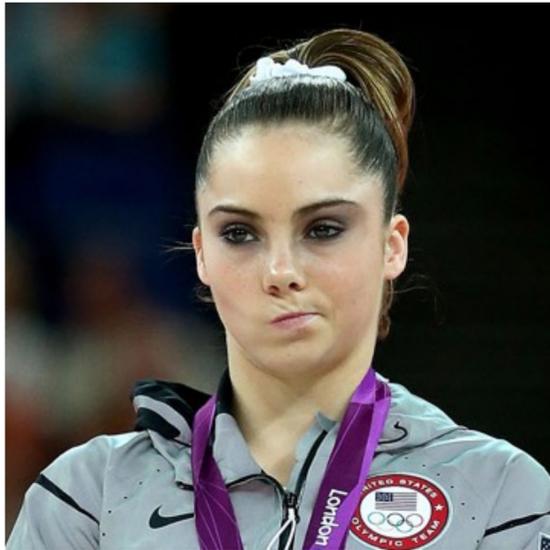
Vue + ES5 natively

Vue + ES6 natively (w/o ES6 modules)

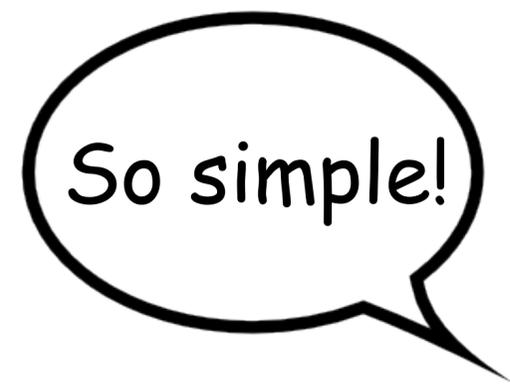
Vue + Full ES6 + Webpack/Babel

Future (2018?)

Run Vue + ES6 natively



Simplicity is what makes Vue so popular

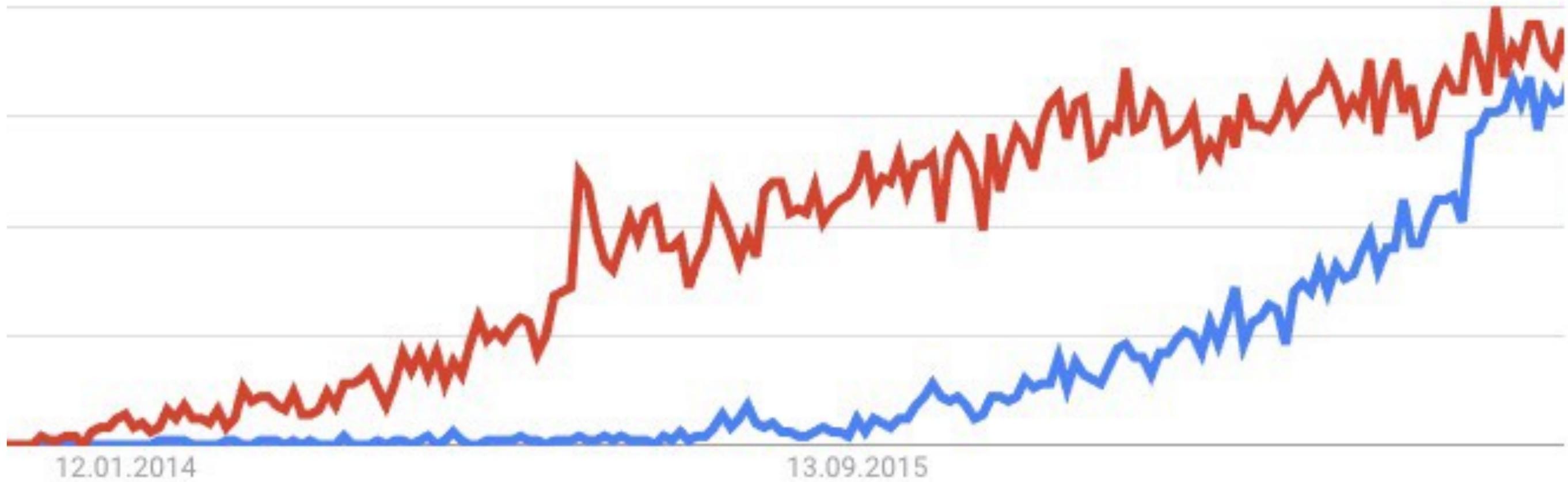


React

👁 Watch 4,460 ★ Star 66,334 🍴 Fork 12,301

Vue

👁 Watch 3,046 ★ Star 52,960 🍴 Fork 7,116



Source: Google Trends
Last updated May 10th 2017



UI components





Semantic UI

UI Kit

KendoUI

Sencha Touch

Bootstrap

Foundation

jQuery Mobile

etc...



**Many libraries fail to emulate
the look and feel of native apps**

Performance

(Native) Look and Feel

Ease of Use, Gradual learning curve

Scalability

Maintainability

Quality of documentation

Open source?

Community active? / Company backed?



UI components

99.9% close to native UX

iOS + Material Design

Custom Router

Dom7: „jQuery style“ (old)

See Kitchen Sink demo

The image shows the Framework7 website landing page on the left and a smartphone mockup on the right. The website has a dark red background. At the top left is a circular logo with a grid and the word 'Framework' above a large '7'. Below the logo is the text 'Framework7' and 'Full Featured HTML Framework For Building iOS & Android Apps'. There are two buttons: 'Download' and 'Get Started'. Below these are social media links for GitHub (9,643 stars, 2,101 forks), Docs, Forum, Layouts, Demo Apps, and Showcase. At the bottom are buttons for 'Support Framework7', 'Like 1.8K', 'Share', 'Tweet', 'Follow @idangerous', and '2,546 followers'. The smartphone mockup shows the Framework7 app interface with a header 'Framework7', a welcome message, an 'About Framework7' button, and a list of components under 'FRAMEWORK7 KITCHEN SINK' including Accordion, Autocomplete, Calendar / Datepicker, Cards, Chips/Tags, Contacts List, and Data Tables (marked as NEW). The app also has a 'Dummy Link' and a 'Menu' button at the bottom.



Framework7

Full Featured HTML Framework
For Building iOS & Android Apps

Download

Get Started

MIT Licensed, v1.6.0 released on April 10, 2017 | Changelog

Docs

Forum

Layouts

Demo Apps

Showcase

9,643 stars 2,101 forks

Support Framework7

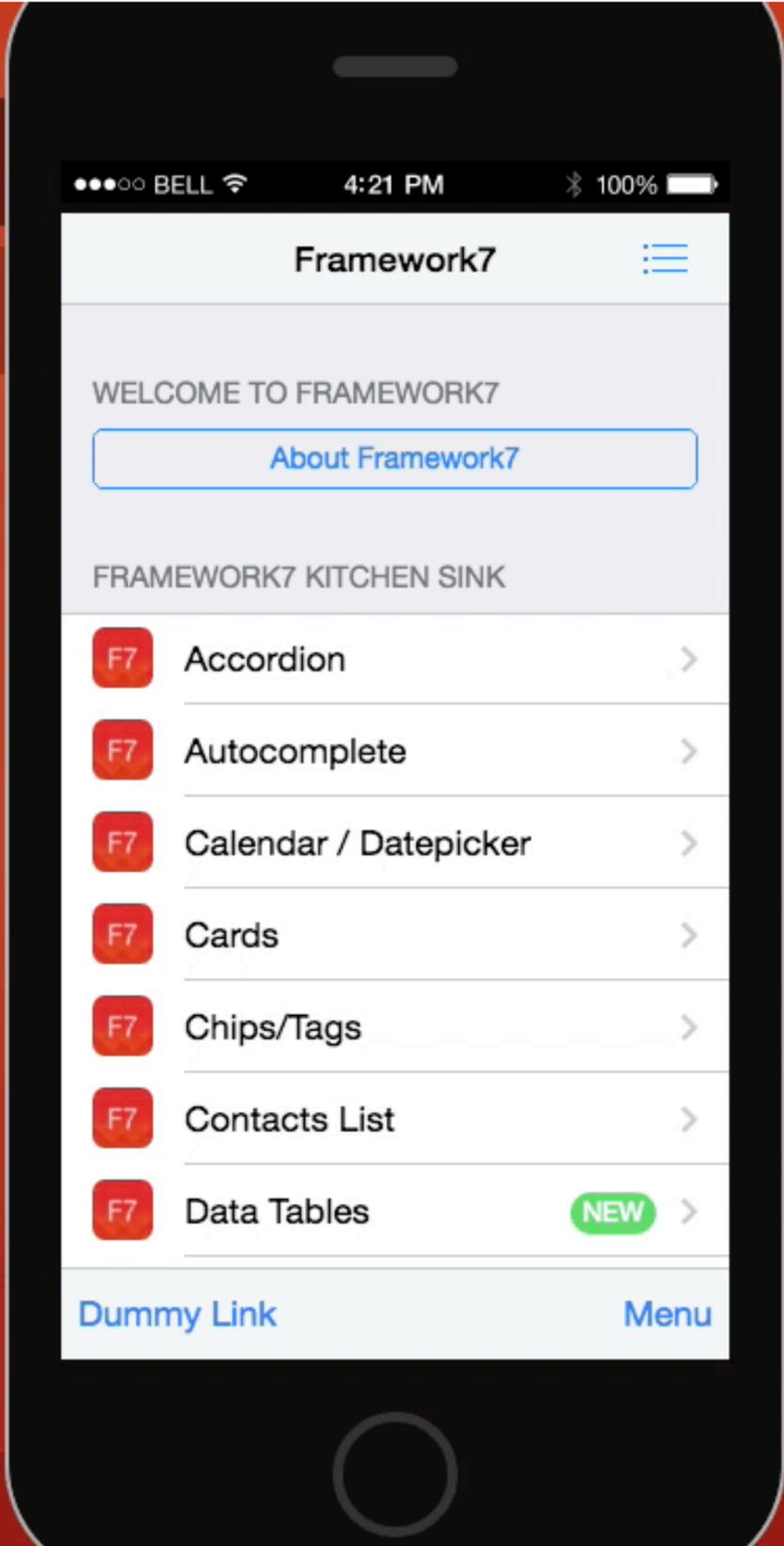
Like 1.8K

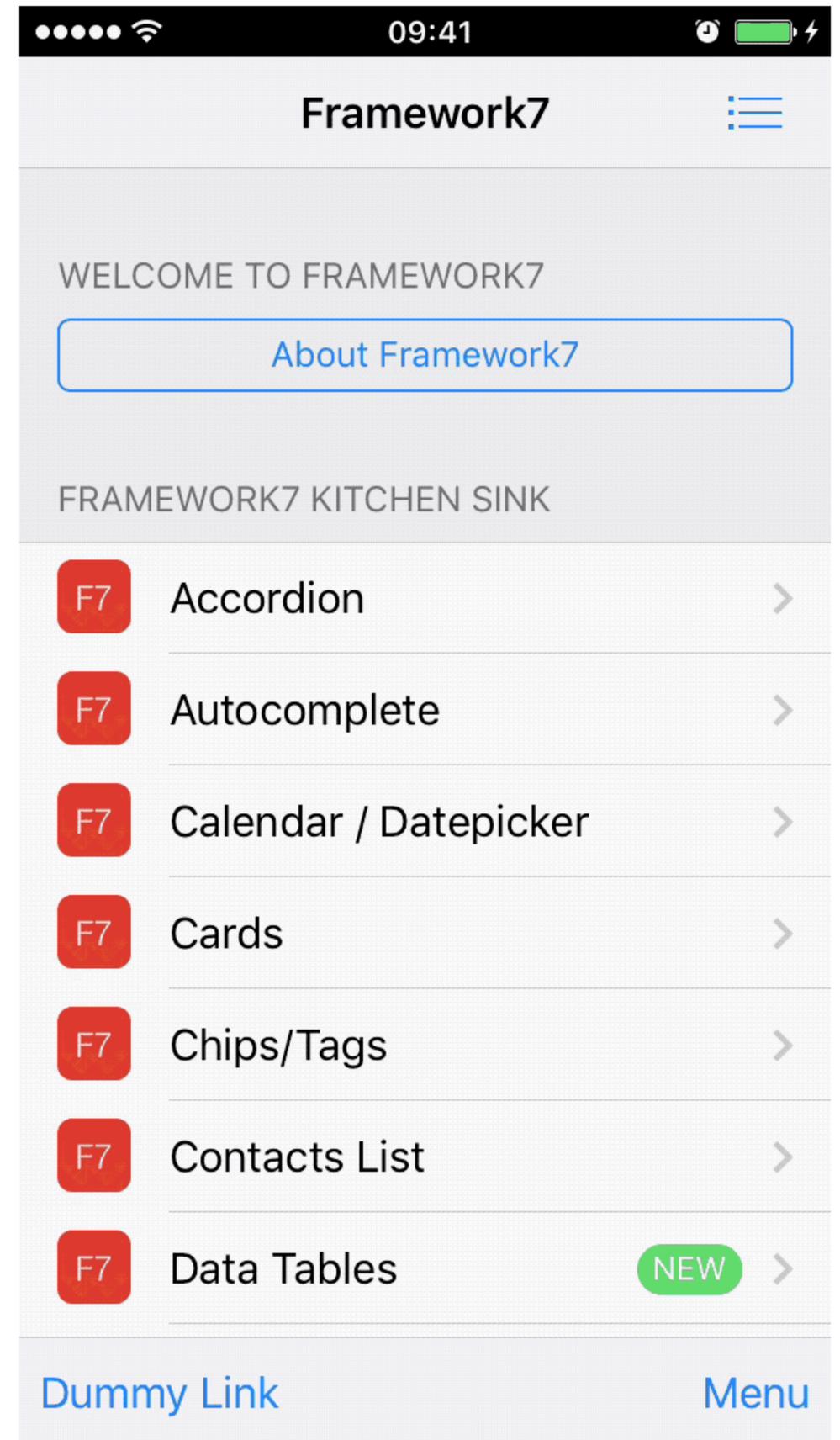
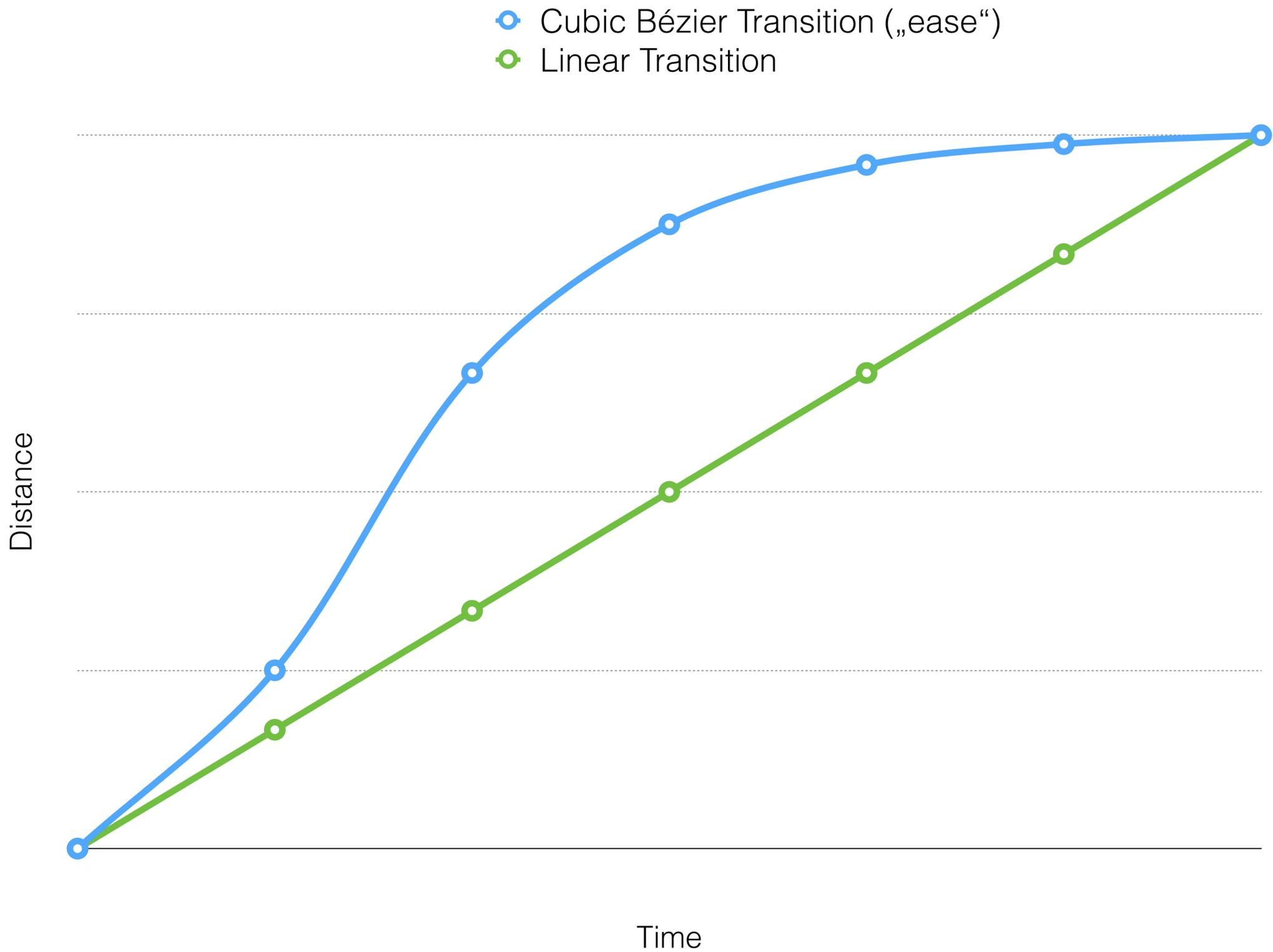
Share

Tweet

Follow @idangerous

2,546 followers







Framework7-Vue
Plugin

„Bridge“ between F7 and Vue

Custom router

LET'S SEE



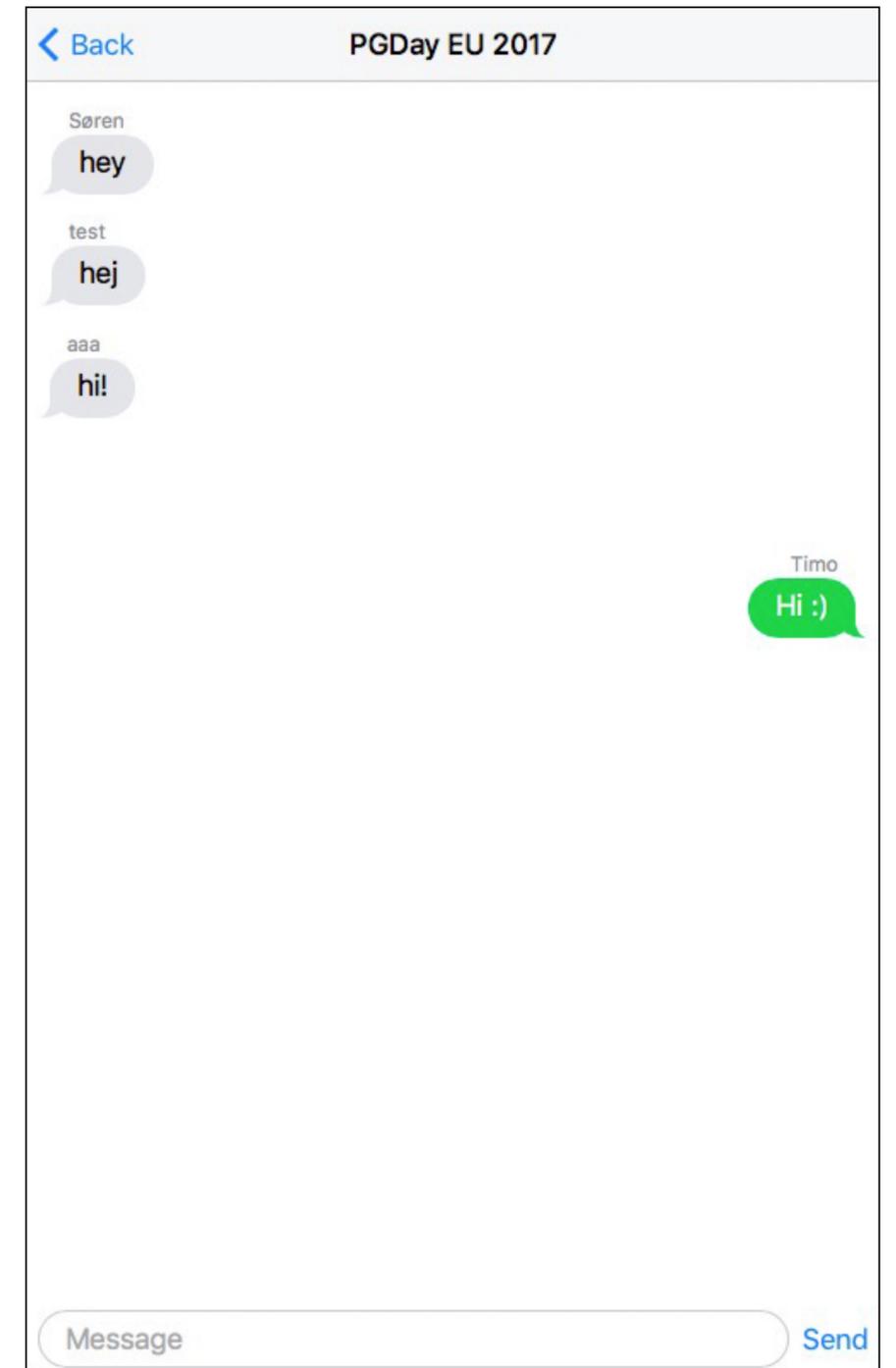
SOME CODE

```
<head>
  <link rel="stylesheet"
        href="framework7.ios.css">
  <link rel="stylesheet"
        href="framework7.ios.colors.css">
</head>

<body>
  <div id="app"></div>

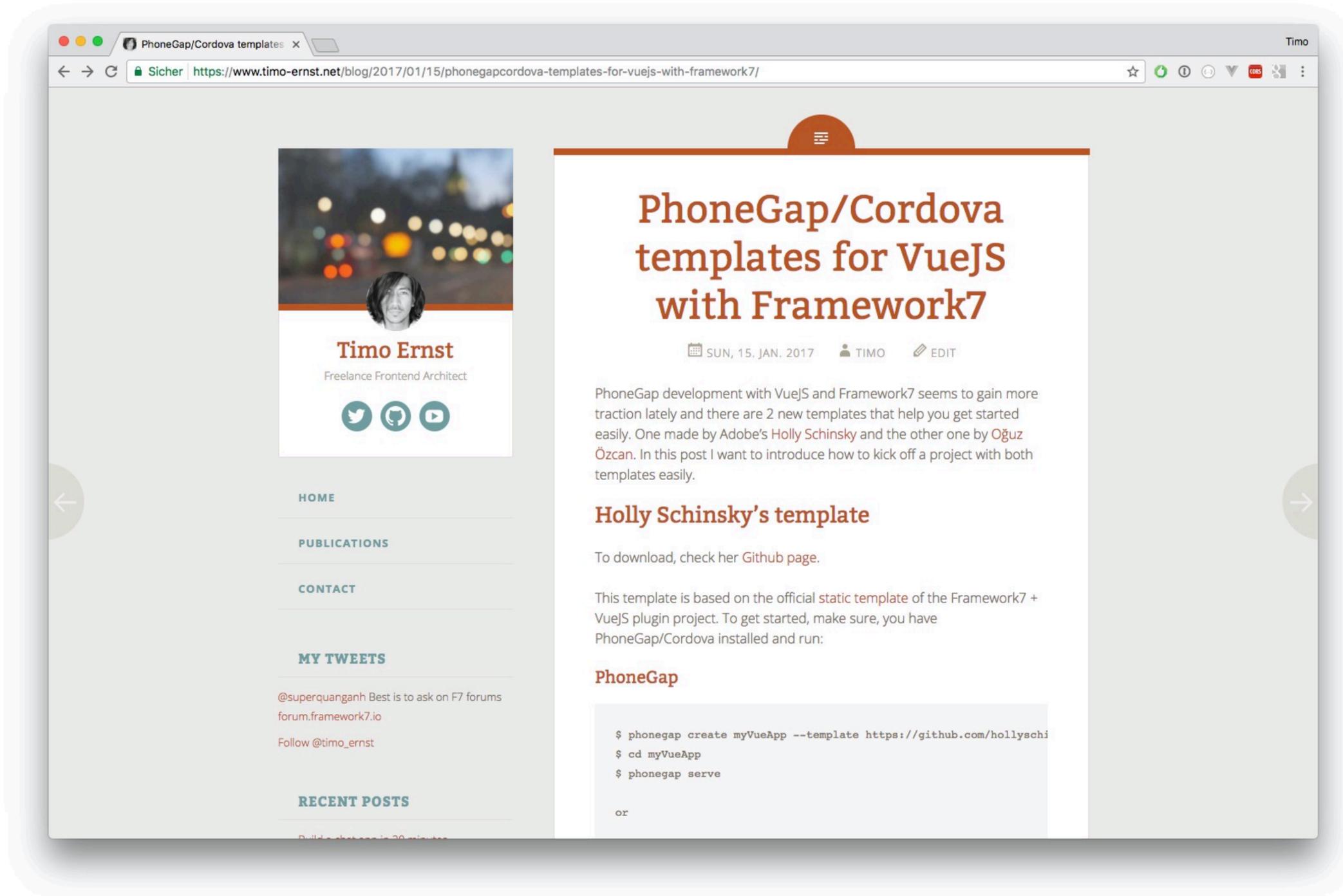
  <script src="vue.min.js"></script>
  <script src="framework7.min.js"></script>
  <script src="framework7-vue.min.js"></script>
</body>
```

```
var pageChatTemplate = `
```



```
Vue.use(Plugin7Vue);
```

```
new Vue({  
  el: '#app',  
  framework7: {root: '#app'},  
  template: pageChatTemplate,  
  data: {  
    messages: []  
  },  
  methods: {  
    onCreate: _ => this.messages = api.get(),  
    onSend: text => api.send(text)  
  },  
});
```



PhoneGap Templates by

Holly Schinsky
(Static version)

Oguz Özcan
(Webpack enhanced)

See Linklist
timo-ernst.net/pgday

Coming up

Visual App Builder

CLI

Framework7 v2



Vladimir Kharlampidi

Framework7 Lead Developer

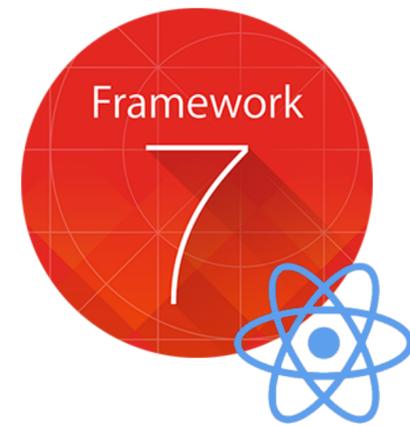


Is not getting the attention it deserves

Entirely community-backed project

Small (but active) community

Before we end.. =)



framework7.io/react

by Ben Compton

Thanks a lot for listening!

Questions?

Link list available via **timo-ernst.net/pgday**

