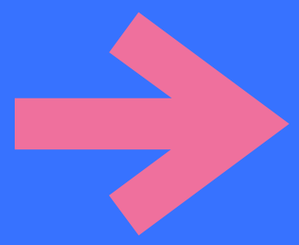
From React to Ember

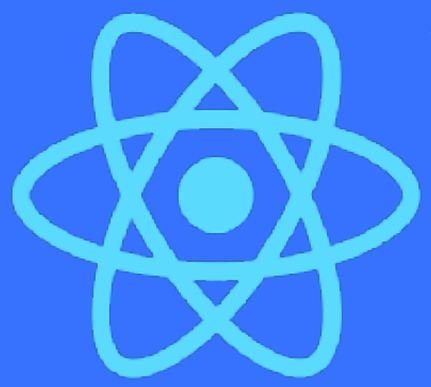
A Modern Look

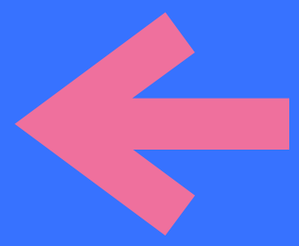
👋, I’m Jackie Luo!

I’m a software engineer who joined Square a few months ago, and I last worked at a startup called Nylas.

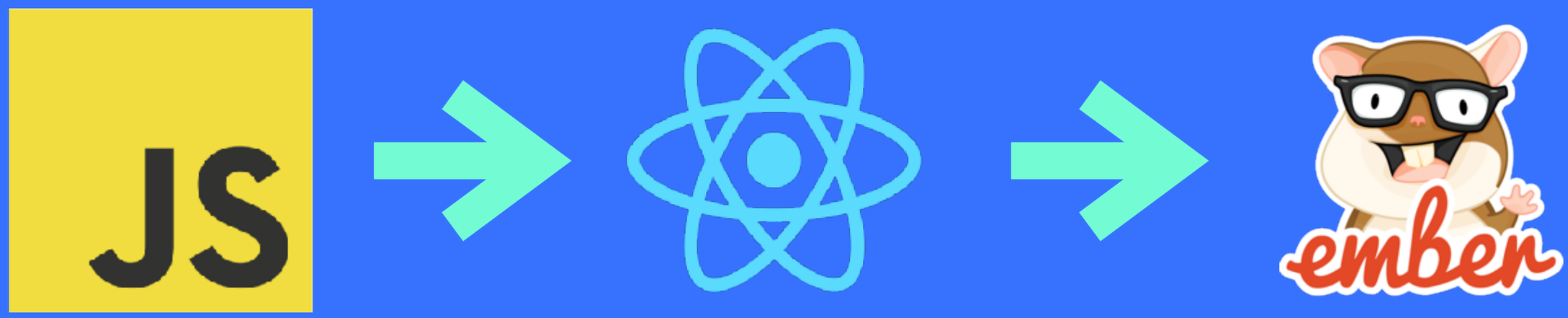


THE JAVASCRIPT LEARNING PATH





MY JAVASCRIPT LEARNING PATH

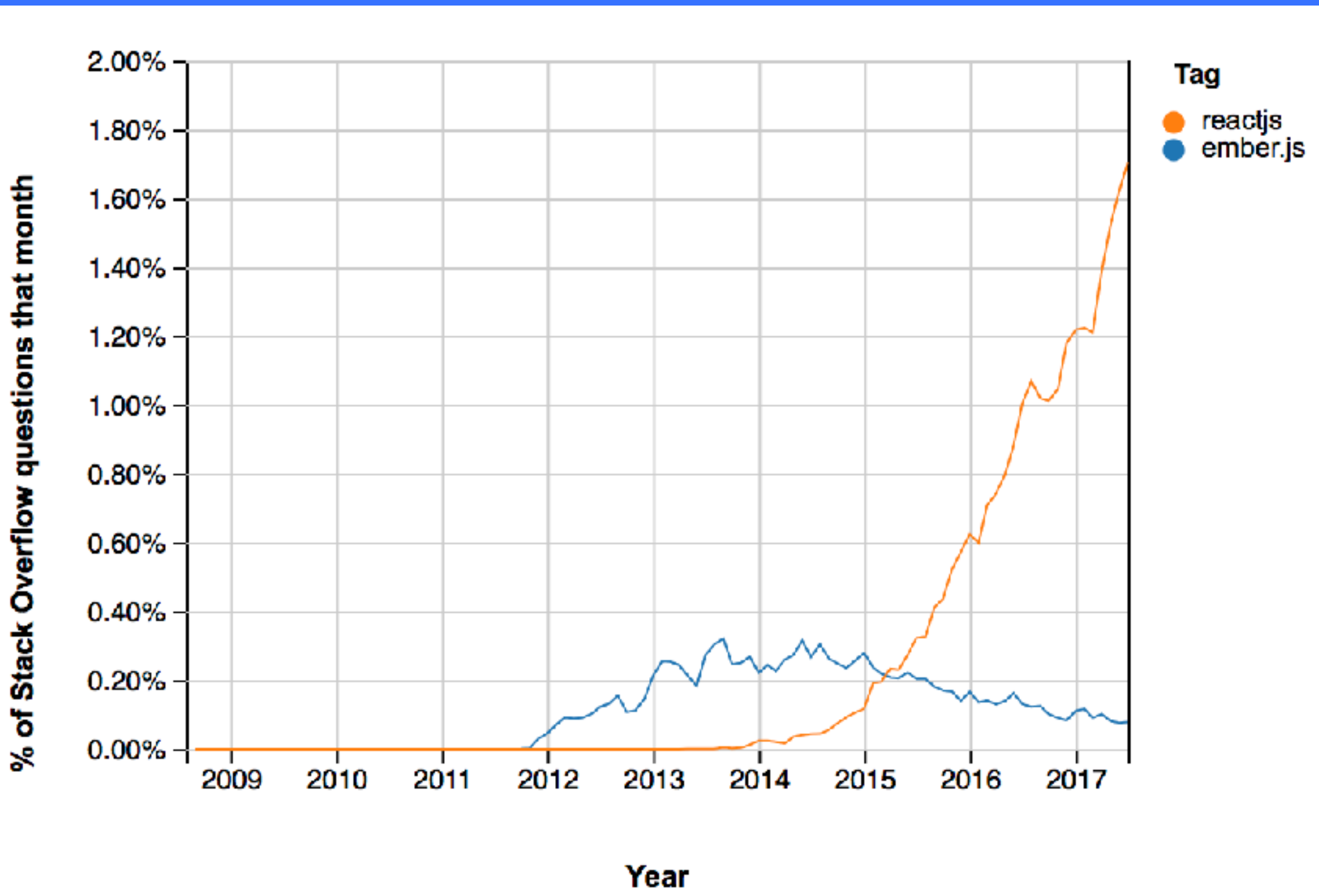


	React	Ember
Development Speed	Normal	Fast
Learning Curve	Moderate	High
Guiding Principle	Write functions to describe what you want on the screen, let React take care of updating it	Convention over configuration
Data Binding	Unidirectional data flow	Data down, actions up
Rendering Approach	Virtual DOM	Glimmer VM

	React	Ember
Development Speed	Normal	Fast
Learning Curve	Moderate	High
Guiding Principle	Write functions to describe what you want on the screen, let React take care of updating it	Convention over configuration
Data Binding	Unidirectional data flow	Data down, actions up
Rendering Approach	Virtual DOM	Glimmer VM

	React	Ember
Development Speed	Normal	Fast
Learning Curve	Moderate	High
Guiding Principle	Write functions to describe what you want on the screen, let React take care of updating it	Convention over configuration
Data Binding	Unidirectional data flow	Data down, actions up
Rendering Approach	Virtual DOM	Glimmer VM

TL;DR?


2.00%
1.80%
1.60%
1.40%
1.20%
1.00%
0.80%
0.60%
0.40%
0.20%
0.00%
% of Stack Overflow questions that month
2009
2010
2011
2012
2013
2014
2015
2016
2017
Year
Tag
reactjs
ember.js

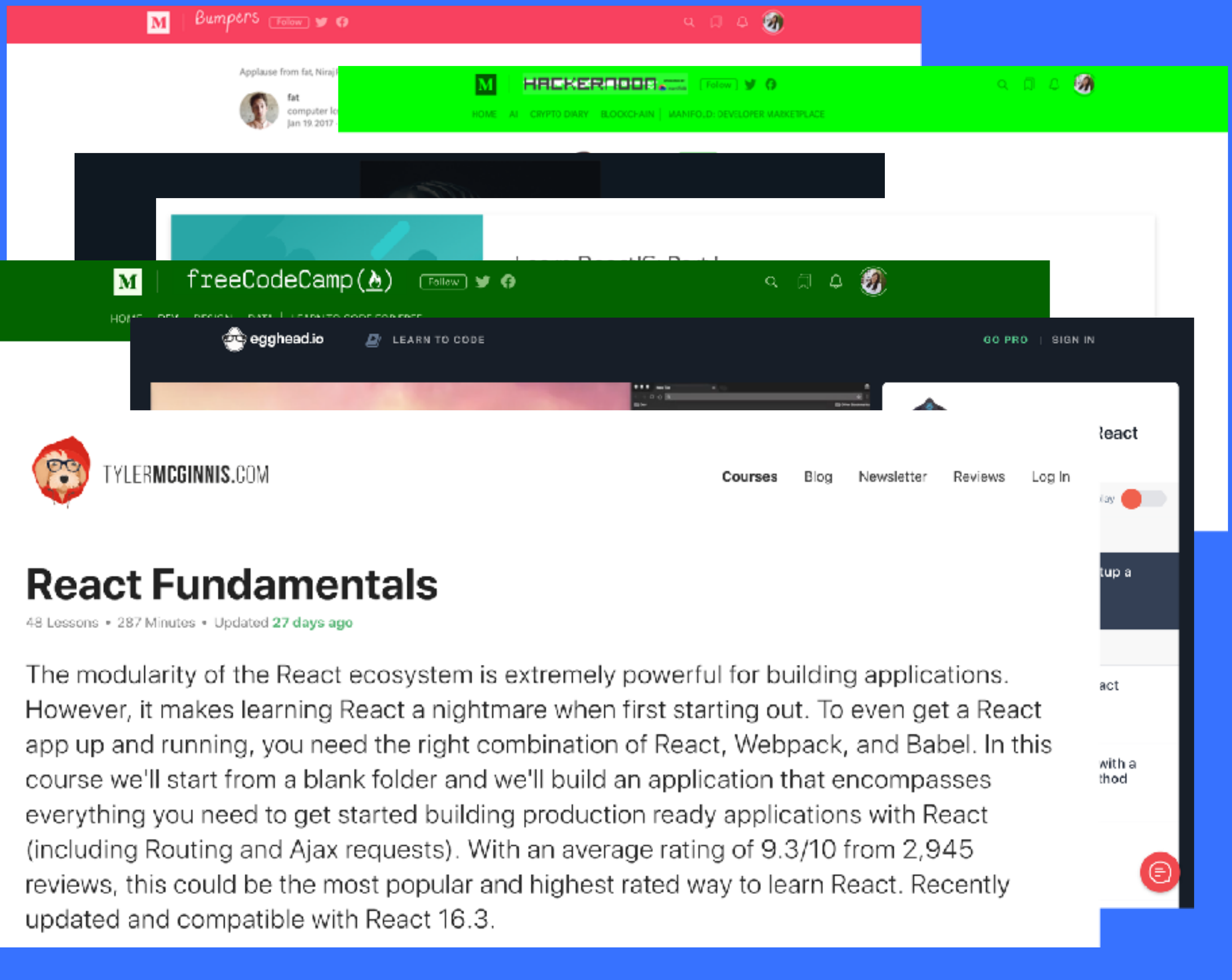
Lady Zahra
@ZeeJab

Follow

.@tomdale: "...if it makes you feel better, my lyft driver just asked 'isn't ember dead and react is the new thing?'"

9:41 AM - 30 Mar 2017 from Portland, OR

8 Retweets **29** Likes


Bumpers
Follow
HACKERNOON
Follow
HOME AI CRYPTO DIARY BLOCKCHAIN MANIFO.D: DEVELOPER MARKETPLACE
freeCodeCamp
Follow
egghead.io
LEARN TO CODE
GO PRO | SIGN IN
TYLERMCGINNIS.COM
Courses
Blog
Newsletter
Reviews
Log In
React Fundamentals
48 Lessons • 287 Minutes • Updated 27 days ago
The modularity of the React ecosystem is extremely powerful for building applications. However, it makes learning React a nightmare when first starting out. To even get a React app up and running, you need the right combination of React, Webpack, and Babel. In this course we'll start from a blank folder and we'll build an application that encompasses everything you need to get started building production ready applications with React (including Routing and Ajax requests). With an average rating of 9.3/10 from 2,945 reviews, this could be the most popular and highest rated way to learn React. Recently updated and compatible with React 16.3.

Andrew Clark
@acdlite

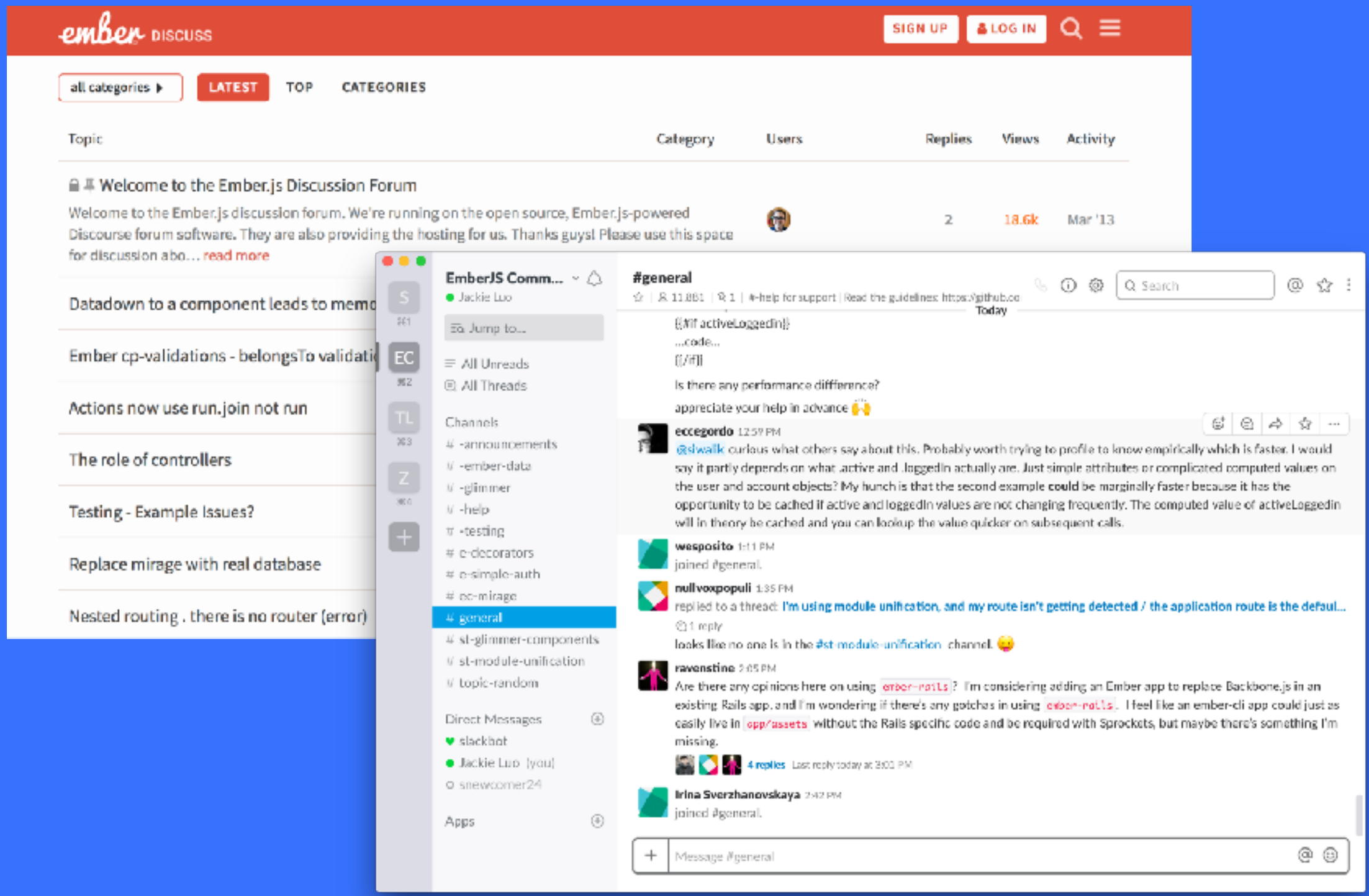
Following

Tip when evaluating libraries: check if it's blazing fast. If it's fast, but the README doesn't specify whether its fastness is blazing, keep searching. Often you can find a similar library that does the same thing, but blazingly. Blazing means good.

2:01 PM - 15 Mar 2018

428 Retweets **1,926** Likes

73 428 1.9K


ember DISCUSS
SIGN UP
LOG IN
all categories
LATEST
TOP
CATEGORIES
Topic
Category
Users
Replies
Views
Activity
Welcome to the Ember.js Discussion Forum
Welcome to the Ember.js discussion forum. We're running on the open source, Ember.js-powered Discourse forum software. They are also providing the hosting for us. Thanks guys! Please use this space for discussion abo… read more
2
18.6k
Mar '13
Datadown to a component leads to memo
Ember cp-validations - belongsTo validati
Actions now use run.join not run
The role of controllers
Testing - Example Issues?
Replace mirage with real database
Nested routing . there is no router (error)
EmberJS Comm...
Jackie Luo
Jump to...
All Unreads
All Threads
Channels
announcements
ember-data
glimmer
help
testing
ec-decorators
ec-simple-auth
ec-mirage
general
st-glimmer-components
st-module-unification
topic-random
Direct Messages
slackbot
Jackie Luo (you)
Apps
#general
Search
Today
{{#if activeLoggedin}}
...code...
{{/if}}
Is there any performance difference?
appreciate your help in advance
eccegordo 12:59 PM
@slwalk curious what others say about this. Probably worth trying to profile to know empirically which is faster. I would say it partly depends on what .active and .loggedin actually are. Just simple attributes or complicated computed values on the user and account objects? My hunch is that the second example could be marginally faster because it has the opportunity to be cached if active and loggedin values are not changing frequently. The computed value of activeLoggedin will in theory be cached and you can lookup the value quicker on subsequent calls.
wesposito 1:11 PM
joined #general.
nullvoxpopuli 1:35 PM
replied to a thread: I'm using module unification, and my route isn't getting detected / the application route is the defaul...
1 reply
looks like no one is in the #st-module-unification channel
ravenstine 2:05 PM
Are there any opinions here on using ember-rails? I'm considering adding an Ember app to replace Backbone.js in an existing Rails app, and I'm wondering if there's any gotchas in using ember-rails. I feel like an ember-cli app could just as easily live in app/assets without the Rails specific code and be required with Sprockets, but maybe there's something I'm missing.
4 replies Last reply today at 3:01 PM
Irina Sverzhanovskaya 2:42 PM
joined #general.
Message #general

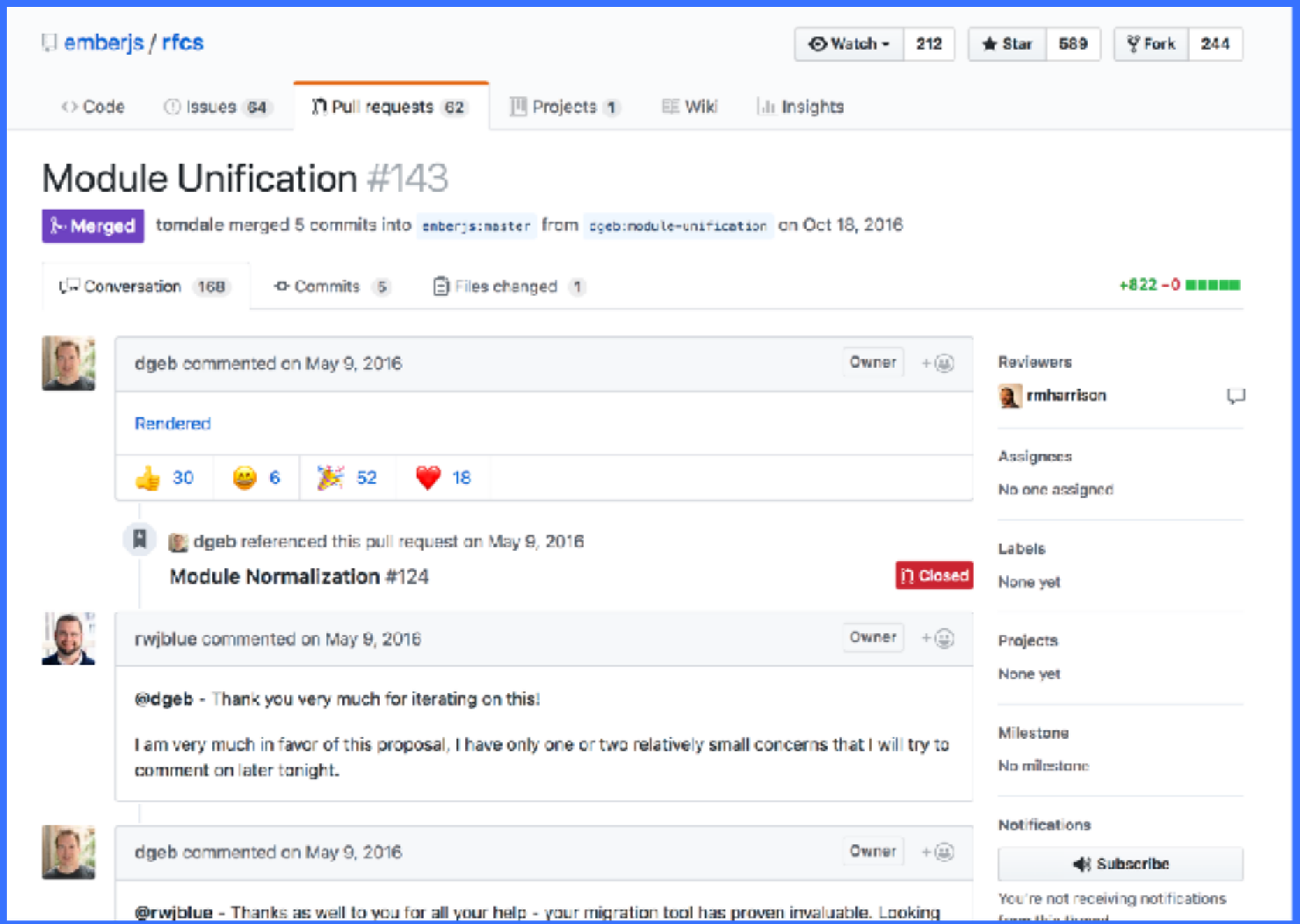
Is 2018 the year of Ember?!?

¯_(ツ)_/¯
But it'll be good!

File Structure

```
app/
  components/
    menu-offer.js
    syncer.js
  controllers/
    merchants.js
  models/
    merchant.js
    menu-offer.js
  routes/
    merchants.js
  templates/
    components/
      menu-offer.js
      syncer.js
    merchants.js
```

File Structure



File Structure

```
src/
  data/
    models/
      merchant.js
      menu-offer.js
  ui/
    components/
      menu-offer/
        component.js
        template.hbs
      syncer/
        component.js
        template.hbs
    routes/
      merchants/
        route.js
        template.hbs
```

Object Getters

```
const Merchant = Object.extend({
  locationName: computed('name', 'location', function() {
    return `${this.get(‘name')} ${this.get('location')}`;
  }),
});

const shakeShack = Merchant.create({
  name: ‘Shake Shack’,
  location: ‘Madison Square’,
});

shakeShack.get(‘locationName’);
// ‘Shake Shack Madison Square'
```

Object Getters

```
const Merchant = Object.extend({
  locationName: computed('name', 'location', function() {
    return `${this.name)} ${this.location)}`;
  }),
});

const shakeShack = Merchant.create({
  name: ‘Shake Shack’,
  location: ‘Madison Square’,
});

shakeShack.locationName;
// ‘Shake Shack Madison Square'
```

So what about `this.set()`?

Tracked Properties

```
const Merchant = Object.extend({
  locationName: computed('name', 'location', function() {
    return `${this.name)} ${this.location)}`;
  }),
});

const shakeShack = Merchant.create({
  name: ‘Shake Shack’,
  location: ‘Madison Square’,
});

shakeShack.locationName;
// ‘Shake Shack Madison Square'
```

Classes

```
export default Component.extend({
  name: ‘Merchant Name’,

  init() {
    this._super(...arguments);
    console.log(‘Constructing!’);
  },

  locationName: computed(‘name', 'location', function() {
    return `${this.name)} ${this.location)}`;
  }),
});
```

Classes 💥

```
export default class Merchant extends Component {
  constructor(...args) {
    super(...args);
    this.set('name', 'Merchant Name');
    console.log('Constructing!');
  }

  @computed('name', 'location')
  get locationName() {
    return `${this.name)} ${this.location)}`;
  }
}
```

Component Invocation

```
<div class="menu">
  <div class="menu__title">
    {{merchant.menuCategory}}
  </div>
  {{menu-offer merchant=merchant}}
</div>
```

Component Invocation 💥

```
<div class="menu">
  <div class="menu__title">
    {{merchant.menuCategory}}
  </div>
  <MenuOffer @merchant={{merchant}} />
</div>
```

Fragment Components

Async/Await in Tests

Module Unification

ES5 Getters

Class Fields

Decorators

Editor Integration

Named Blocks

Tracked Properties

Optional jQuery

ES6 Classes

Angle Bracket Components

Modules

✨

Say hello on Twitter! I’m @jackiehluo.

✨

Thank you to Juan Tejada and Yehuda Katz/Tom Dale.