

You're not a special snowflake

An introduction to Ember JS







3 Rules for Startups

Solve a real and compelling problem.



Get to market fast.

2

User experience is everything.

Solve a real and compelling problem.



Get to market fast.

2

User experience is everything.



camelCased



snake_cased

It doesn't matter.

Solve a real and compelling problem.



Get to market fast.

2

User experience is everything.

“...by giving up vain individuality, you can leapfrog the toils of mundane decisions, and make faster progress in areas that really matter.”



Projects don't fail because of the way you name your variables.

ember[®]

“More productive out of the box.”



NETFLIX



INTERCOM

KICKSTARTER



ghost



EMBER CLI
















ROUTER

EMBER DATA



embercli[®]








```
HOME$ ember new syntaxcon-talk
```

- ▼  app
 - ▶  components
 - ▶  controllers
 - ▶  helpers
 - ▶  models
 - ▶  routes
 - ▼  styles
 -  app.css
 - ▼  templates
 - ▶  components
 -  app.js
 -  index.html
 -  resolver.js
 -  router.js
- ▶  bower_components (library home)


```
HOME$ ember generate route application
```
















```
HOME$ ember serve
```



NAME	OWNER	SCORE	UPDATED
ember-kns-tooltips Tooltip components for Kinesis' Ember apps	 soliah	8	an hour ago
ember-cli-ahoy Ahoy.js shim for Ember	 mammoth-hr	7	3 hours ago
ember-power-select The extensible select component built for ember	 cibernox	10	4 hours ago
ember-parachute Improves the experience of working with query params in Ember DEMO	 sugarpirate	-	5 hours ago
active-model-adapter	 fivetanley	8	6 hours ago
ember-href-to A lightweight alternative to <code>{{link-to}}</code>	 gavinjoyce	10	7 hours ago
ember-arcgis-server-services Ember services for dealing with ArcGIS Map, Feature and Image Servers	 dmfenton	WIP	7 hours ago








```
HOME$ ember install ember-simple-auth
```

So what?

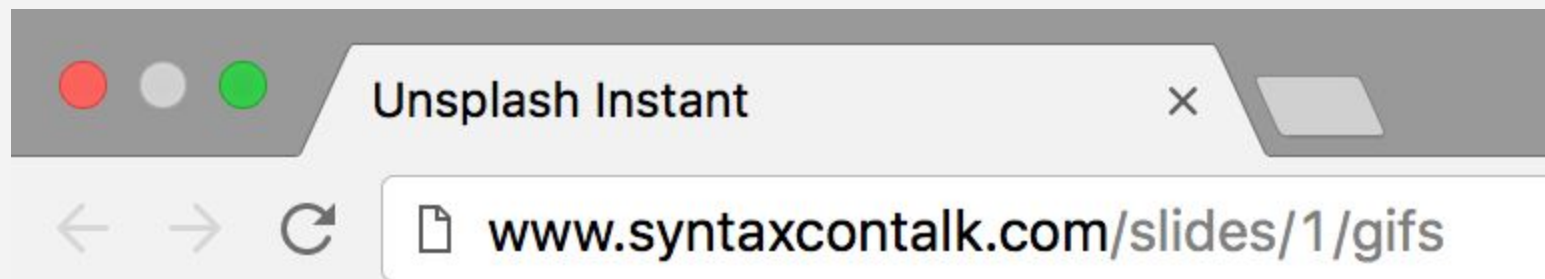
- ▼  app
 - ▶  components
 - ▶  controllers
 - ▶  helpers
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Router



Load data



Render templates

2

Handle redirects

3

Handle actions

NYG	GB
6	0
2:06	7:08
1st & 10	

FOX NFL



Load data



app/routes/favorite-posts.js

JS

```
1 import Ember from 'ember';  
2  
3 export default Ember.Route.extend({  
4   model() {  
5     return this.get('store').query('post', { favorite: true });  
6   }  
7 });
```

Render templates

2

```
HOME$ ember generate route posts
```

```
HOME$ ember generate route posts/new
```

By default, a route handler will render the template with the same name as the route. Take this router:

app/router.js

JS

```
1 Router.map(function() {  
2   this.route('posts', function() {  
3     this.route('new');  
4   });  
5 });
```

Here, the `posts` route will render the `posts.hbs` template, and the `posts.new` route will render `posts/new.hbs`.

```
HOME$ ember generate route loading
```



Hmm...

looks like something went wrong.

Don't worry, we're hard at work getting that fixed.

GO BACK TO THE SITE



ember[®]data

SUPER MARKET



{json:api}



app/models/person.js

JS

```
1 import DS from 'ember-data';
2
3 export default DS.Model.extend({
4   firstName: DS.attr('string'),
5   birthday:  DS.attr('date')
6 });
```

```
1 this.get('store').findRecord('person', 1); // => { id: 1, name JS
```



```
1 let post = store.createRecord('post', {  
2   title: 'Rails is Omakase',  
3   body: 'Lorem ipsum'  
4 });  
5  
6 post.save(); // => POST to '/posts'
```

JS

Counterarguments

But React has components...

But React is so fast...

60

FPS

bigger is better



React



Ember 2.4



Ember 2.6 + Glimmer2



Glimmer2

But Vue is so lightweight...



Robin Ward

@eviltrout

 **Follow**



I can't think of a release of a library/framework that reduced my app's size AND significantly improved perf - Ember 2.10 is super rare.

RETWEETS

14

LIKES

51



8:30 AM - 13 Dec 2016



2



14



51

Downsides

Latest Version (v1.0)

Latest Specification (v1.0)

Status

Introduction

Conventions

Content Negotiation

Client Responsibilities

Server Responsibilities

Document Structure

Top Level

Resource Objects

Resource Identifier Objects

Compound Documents

Meta Information

Links

JSON API Object

Member Names

Fetching Data

Fetching Resources

Fetching Relationships

Inclusion of Related Resources

Sparse Fieldsets

Sorting

Pagination

Filtering

Creating, Updating and Deleting

Resources

Creating Resources

Updating Resources

Updating Relationships

Deleting Resources

Query Parameters

Errors

Status

This page represents the latest published version of JSON API, which is currently version 1.0. New versions of JSON API **will always be backwards compatible** using a *never remove, only add* strategy. Additions can be proposed in our [discussion forum](#).

If you catch an error in the specification's text, or if you write an implementation, please let us know by opening an issue or pull request at our [GitHub repository](#).

Introduction

JSON API is a specification for how a client should request that resources be fetched or modified, and how a server should respond to those requests.

JSON API is designed to minimize both the number of requests and the amount of data transmitted between clients and servers. This efficiency is achieved without compromising readability, flexibility, or discoverability.

JSON API requires use of the JSON API media type ([application/vnd.api+json](#)) for exchanging data.

Conventions

The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in this document are to be interpreted as described in RFC 2119 [[RFC2119](#)].



Benefits







Solve a real and compelling problem.



Get to market fast.

2

User experience is everything.

@AndrewAskins

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