

Why Django is  
(still)  
a good choice for building  
your SaaS startup

David S Colgan

I build  
custom  
SaaS apps



# Software as a Service

# Part 1: Why do businesses hire developers?

David hires  
an intern

David hires  
an intern  
(poorly)

Why do you think I  
hired you?

Because  
you're nice?

Not exactly

# Indiana Nice



## Small Business and Self-Employed

Employer ID Numbers

Business Taxes

Reporting Information  
Returns

Self-Employed

Starting a Business

Operating a Business

Closing a Business

Industries/Professions

Small Business Events

***tax administration only. Expense information for use in  
bankruptcy calculations can be found on the website for the [U.S.  
Trustee Program](#).***

***We have added links below for all of the standards to enable you to download a PDF version for printing. Please note that the standards change, so if you elect to print them, check back periodically to assure you have the latest version.***

### ***General***

Collection Financial Standards are used to help determine a taxpayer's ability to pay a delinquent tax liability. Allowable living expenses include those expenses that meet the necessary expense test. The necessary expense test is defined as expenses that are necessary to provide for a taxpayer's (and his or her family's) health and welfare and/or production of income.

National Standards for food, clothing and other items apply nationwide. Taxpayers are allowed the total National Standards amount monthly for their family size, without questioning the amount actually spent.

National Standards have also been established for minimum allowances for out-of-pocket health care expenses. Taxpayers and their dependents are allowed the standard amount monthly on a per person basis, without questioning the amount actually spent.

Businesses hire  
developers to get a  
return on investment

In companies  
you are paid to  
increase revenue  
or lower costs

Level up by thinking  
about business value

# Freelancer

vs

# Consultant

# Code monkey

vs

# Engineer

Stupidly  
valuable

Be the *very* best at code:  
hard

Be the *very* best at business:  
hard

Be really good at both  
code and business:  
**less hard**

Technology is  
black magic  
to the non-technical  
business owner



[REDACTED] <[REDACTED]@[REDACTED].com>  
to me, [REDACTED], [REDACTED] [REDACTED]

5/12/17



Another heads up on this. I went ahead and moved DNS to CloudFlare instead of AWS Route53. I recently learned that CloudFlare is five times as fast as Route53, so that's a no brainer to me. In fact AWS's DNS service is surprisingly one of the slowest on the market (see here: <https://www.dnspool.com/>). Again if there are any issues noticed, please let me know.



On Fri, May 12, 2017 at 10:34 AM, [REDACTED] <[REDACTED]@[REDACTED].com> wrote:  
[REDACTED] I dont understand a word except yo moved the server Thanks





# How do we choose a technology?

# Side Projects

Learn something new?

Use cool technologies?

Advance state of the art?

For my startup:

Reduce risk

All code is  
liability

If we could we could just buy the  
software off the shelf

"I hate code and want as little of it as possible in our product."

-Jack Diederich

Don't make  
the technology  
the risky bet of  
your startup.



Patrick McKenzie  
Guy who's done this before

Part 2:  
How does  
Django  
reduce business risk?

1. Django is  
Mature

Don't make  
the technology  
the risky bet of  
your startup.



Patrick McKenzie  
Guy who's done this before

# Lindy Effect

On average,  
the life expectancy of a  
technology is equivalent  
to its age.

# Frameworks by Age

Django 12 years

Rails 12 years

Express 7 years

Angular 7 years

Laravel 6 years

React 4 years

Vue 4 years

# Frameworks by Age

Django 48 web years

Rails 48 web years

Express 28 web years

Angular 28 web years

Laravel 24 web years

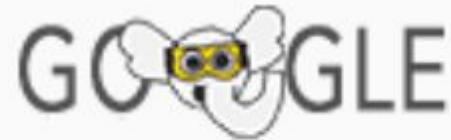
React 16 web years

Vue 16 web years

Companies put 8 year  
old React in charge

Question:  
What do all slick new  
frameworks have in  
common?

# Churn



webpack vs

webpack vs **gulp**

webpack vs **brunch**

webpack vs **broccoli**

webpack vs **browserify**

webpack vs **grunt**

webpack vs **rollup**

webpack vs **babel**

webpack vs **systemjs**

webpack vs **yarn**

webpack vs **requirejs**



Ricky Vetter

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@socialtables engineer, @chipotle advocate, @colorado native

May 18, 2015 · 4 min read

# We Compared 13 Top Flux Implementations—You Won't Believe Who Came Out On Top!

We've been using React with and without Flux for a little more than a year at Social Tables. Over this time we've implemented many flavors of state management from direct copies of Facebook's Flux tutorials to weird event-

[This repository](#)[Search](#)[Pull requests](#)[Issues](#)[Marketplace](#)[Explore](#)[goatslacker / alt](#)[Watch](#) 83[Star](#) 3,452[Fork](#) 327[Code](#)[Issues 110](#)[Pull requests 13](#)[Projects 0](#)[Wiki](#)[Insights](#)

# Is this still alive? #707

[New issue](#)[Open](#)[deser opened this issue on Jan 9, 2017 · 2 comments](#)

deser commented on Jan 9, 2017

[+ 😊](#)

Guys, who knows if this lib is still alive or we need to move to something else? :)



mattkahl commented on Jan 9, 2017

[Contributor](#)[+ 😊](#)

This is probably the best answer to that question at the current moment:

[#650](#)



ryanzec commented on Feb 5, 2017

[+ 😊](#)

2 things answer this question for me:

1. No commits in almost 5 months (and only 2 real commits in the past 10 months)

## Assignees

No one assigned

## Labels

None yet

## Projects

None yet

## Milestone

No milestone

## Notifications

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Dan Abramov

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Working on @reactjs. Co-author of Redux and Create React App. Building tools for humans.

Sep 19, 2016 · 3 min read

# You Might Not Need Redux

People often choose Redux before they need it. “What if our app doesn’t scale without it?” Later, developers frown at the indirection Redux introduced to their code. “Why do I have to touch three files to get a simple feature working?” Why indeed!

People blame Redux, React, functional programming, immutability, and many other things for their woes, and I understand them. It is natural to compare Redux to an approach that doesn’t require “boilerplate” code to update the state, and to conclude that Redux is just complicated. In a way it is, and by design so.

It's called  
bleeding edge  
for a reason

Mature projects  
have momentum

163,109  
questions tagged

django

[about »](#)

ANTI-SPAM	BADGES	COMMENTING	DJANGO-CMS	HANDLING
API CREATION	BLOGS	CONFIGURATION	DJANGO REST	FEED
ASSET	CACHING	COOKIECUTTERS	FR...	AGGREGATOR
MANAGERS	CALENDAR	COUNTRIES	DJANGO SHOP	FEEDBACK
AUTHENTICATION	CAPTCHA	CUSTOM MODELS	PL...	FIELDS

***Django Packages is a directory of reusable apps, sites, tools, and more for your Django projects.***

**3689** packages and counting!

**1514** packages compatible with Python 3!

**Add packages and grids**

Know of any packages not listed here? Add them now! It's quick and easy.

[add package »](#)

Mature projects  
have processes

## Django Software Foundation

### About the Django Software Foundation

Development of Django is supported by an independent foundation established as a 501(c)(3) non-profit. Like most open-source foundations, the goal of the Django Software Foundation is to promote, support, and advance its open-source project: in our case, the Django Web framework.

The foundation's goals are to:

- Support development of Django by sponsoring sprints, meetups, gatherings and community events.
- Promote the use of Django among the world-wide Web development community.
- Protect the intellectual property and the framework's long-term viability.
- Advance the state of the art in Web development.

### Corporate Members

The Django Software Foundation would not be able to operate without the generous financial support of

### Support Django!



Issac Kelly donated to the Django Software Foundation to support development. [Donate today!](#)

### About the foundation

#### FAQ

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## Documentation

# Django's release process

## Official releases

Since version 1.0, Django's release numbering works as follows:

- Versions are numbered in the form **A.B** or **A.B.C**.
- **A.B** is the *feature release* version number. Each version will be mostly backwards compatible with the previous release. Exceptions to this rule will be listed in the release notes.
- **C** is the *patch release* version number, which is incremented for bugfix and security releases. These releases will be 100% backwards-compatible with the previous patch release. The only exception is when a security or data loss issue can't be fixed without breaking backwards-compatibility. If this happens, the release notes will provide detailed upgrade instructions.
- Before a new feature release, we'll make alpha, beta, and release candidate releases. These are of the form **A.B alpha/beta/rc N**, which means the **N**th alpha/beta/release candidate of version **A.B**.

In git, each Django release will have a tag indicating its version number, signed with the Django release key. Additionally, each release series has its own branch, called **stable/A.B.x**, and bugfix/security releases will be issued from those branches.

For more information about how the Django project issues new releases for security purposes, please see [our security policies](#).

### Feature release

Feature releases (A.B, A.B+1, etc.) will happen roughly every eight months – see [release process](#) for details. These releases will contain new features, improvements to existing features, and such.

### Patch release

Search development documentation

## Support Django!



Andy Dai donated to  
Foundation to support  
Donate today!

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    - [Phase one: feature propo](#)

# Documentation

## Django's security policies

Django's development team is strongly committed to responsible reporting and disclosure of security-related issues. As such, we've adopted and follow a set of policies which conform to that ideal and are geared toward allowing us to deliver timely security updates to the official distribution of Django, as well as to third-party distributions.

### Reporting security issues

Short version: please report security issues by emailing [security@djangoproject.com](mailto:security@djangoproject.com).

Most normal bugs in Django are reported to [our public Trac instance](#), but due to the sensitive nature of security issues, we ask that they **not** be publicly reported in this fashion.

Instead, if you believe you've found something in Django which has security implications, please send a description of the issue via email to [security@djangoproject.com](mailto:security@djangoproject.com). Mail sent to that address reaches the [security team](#).

Once you've submitted an issue via email, you should receive an acknowledgment from a member of the security team within 48 hours, and depending on the action to be taken, you may receive further followup emails.



#### Sending encrypted reports

If you want to send an encrypted email (*optional*), the public key ID for [security@djangoproject.com](mailto:security@djangoproject.com) is **0xfc84b8d1d17f80b**, and this public key is available from most commonly-used keyservers.

Search development documentation

### Support Django!



revolunet donated to the Django Foundation to support Django. [Donate today!](#)

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### Browse

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### Supported versions

Uncertainty == risk

(click on my head)



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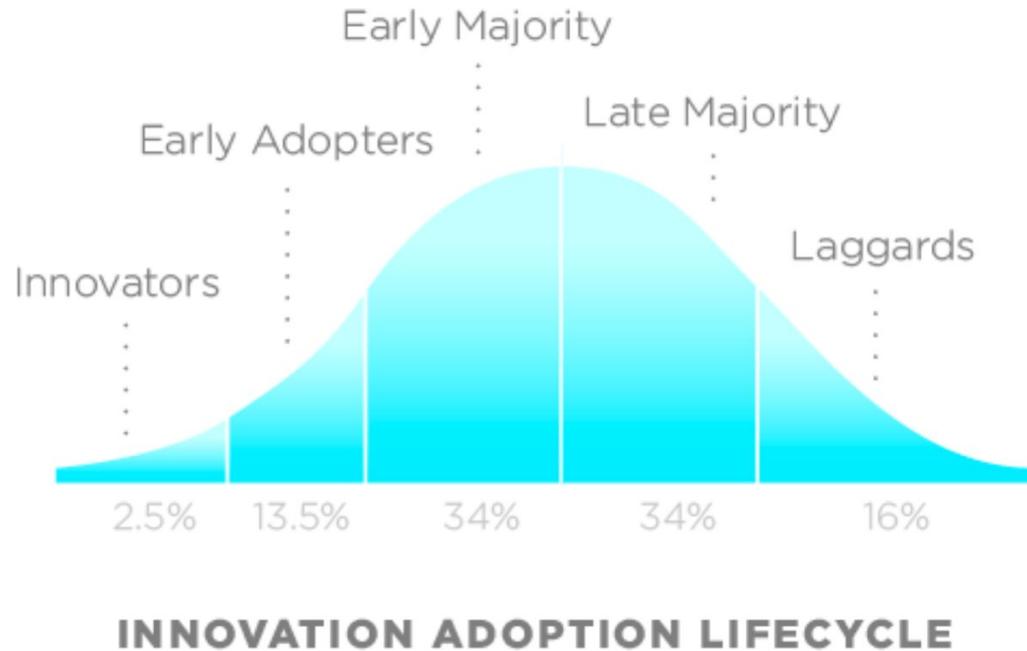
subscribe

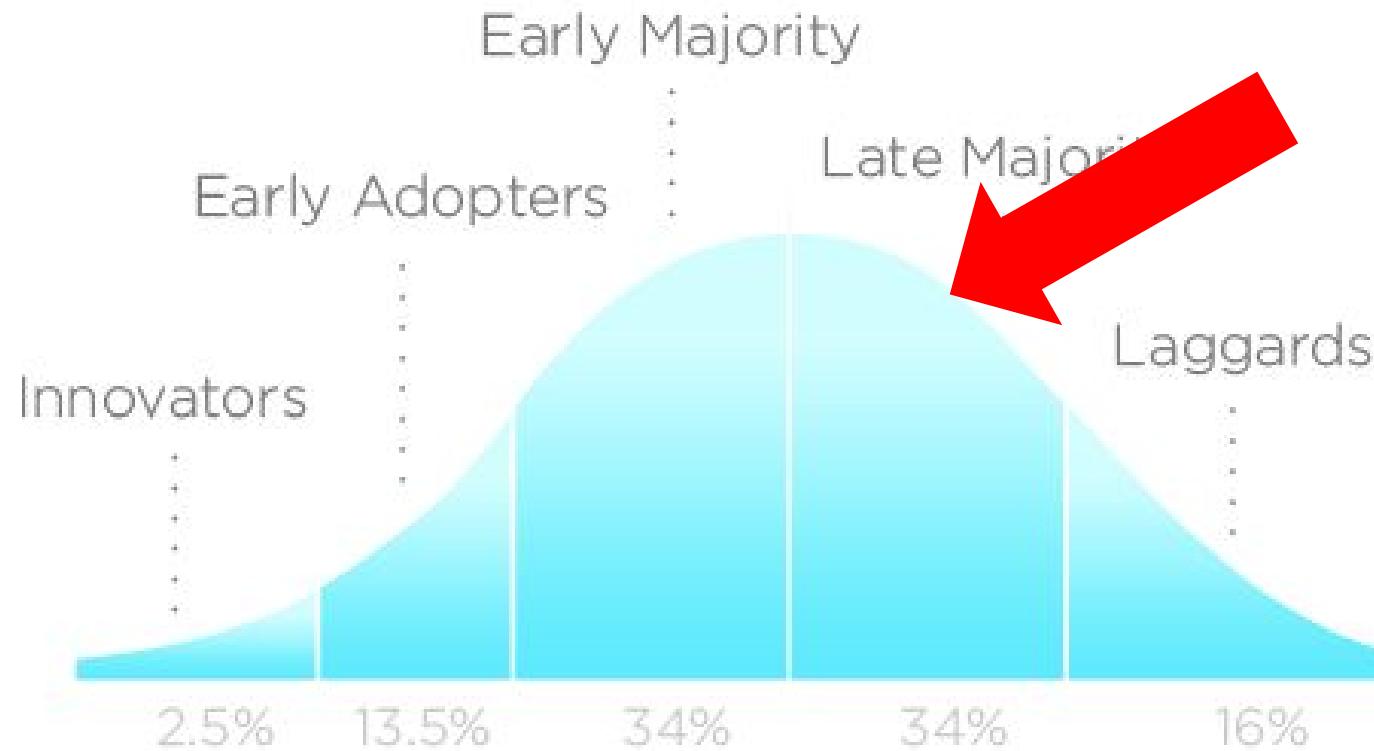
[preview](#) | powered by FeedBlitz

[« To overcome an irrational fear... | Main | Good design \(and serial numbers\) »](#)

## Product adoption: different problems for different folks

The [product adoption cycle](#) is one of the most essential things to understand when you seek to launch a product or service, or make any sort of cultural change. Different people sign up for new ideas at different rates.





**INNOVATION ADOPTION LIFECYCLE**

# Game Boy vs Game Gear





# Gunpei Yokoi: Use "withered technology"

2. Django is

Opinionated

There should be one  
and preferably only one  
obvious way to do it.

-The Zen of Python

# Why?

Convention over configuration  
or

"You're not a beautiful  
and unique snowflake"

- The Rails Doctrine

"One way to do it" means

Fewer  
uninteresting  
decisions

Microframeworks  
require lots of  
glue code  
(and decisions)

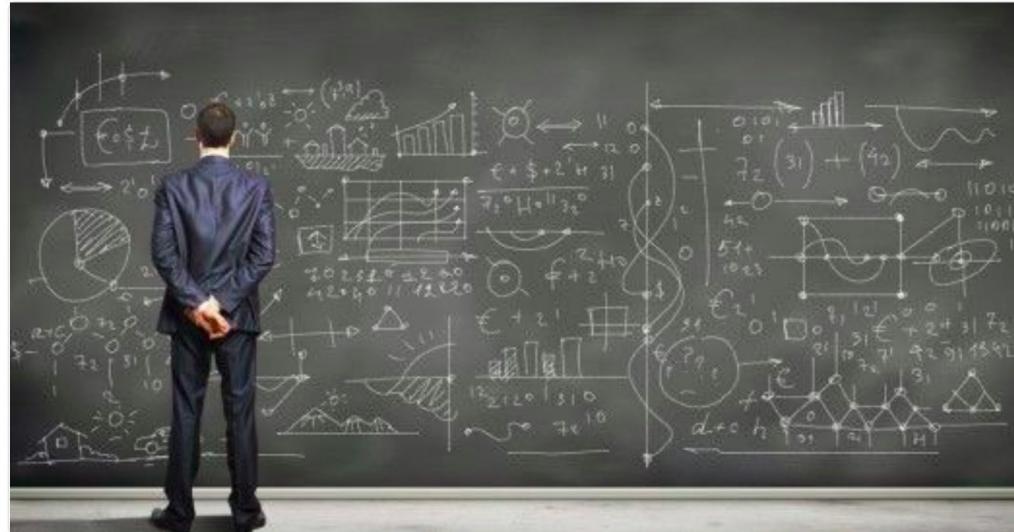


Thomas Fuchs  

@thomasfuchs

Follow

Marc was almost ready to implement his "hello world" React app



7:24 AM - 12 Mar 2016

4,274 Retweets 5,422 Likes



# Boilerplate

```
62 // Create redux store with history
63 const initialState = {};
64 const history = createHistory();
65 const store = configureStore(initialState, history);
66 const MOUNT_NODE = document.getElementById('app');
67
68
69 const render = (messages) => {
70   ReactDOM.render(
71     <Provider store={store}>
72       <LanguageProvider messages={messages}>
73         <ConnectedRouter history={history}>
74           <App />
75         </ConnectedRouter>
76       </LanguageProvider>
77     </Provider>,
78     MOUNT_NODE
79   );
80 };
81
82 if (module.hot) {
83   // Hot reloadable React components and translation json files
84   // modules.hot.accept does not accept dynamic dependencies,
85   // have to be constants at compile-time
86   module.hot.accept(['./i18n', 'containers/App'], () => {
87     ReactDOM.unmountComponentAtNode(MOUNT_NODE);
88     render(translationMessages);
89   });
90 }
91
92 // Chunked polyfill for browsers without Intl support
93 if (!window.Intl) {
94   (new Promise((resolve) => {
95     resolve(import('intl'));
96   }))
97     .then(() => Promise.all([
98       import('intl/locale-data/jsonp/en.js'),
99       import('intl/locale-data/jsonp/de.js'),
100     ]))
101     .then(() => render(translationMessages))
102     .catch((err) => {
103       throw err;
104     });
105 } else {
106   render(translationMessages);
107 }
108
109 // Install ServiceWorker and AppCache in the end since
```

Compare with:  
**Batteries  
Included**

10.9K



# I Peeked Into My Node\_Modules Directory And You Won't Believe What Happened Next

The left-pad fiasco shook the JavaScript community to its core when a rogue developer removed a popular module from npm, causing tens of projects to go dark.

While code bloat continues to slow down our websites, drain our batteries, and make “npm install” slow for a few seconds, many developers like myself have decided to carefully audit the dependencies we bring into our projects. It’s time we as a community stand up and say enough is enough, this community belongs to all of us, and not just a handful of JavaScript developers with great hair.

browserify-cipher currently-unhandled express history json5 mobx-server-wait proxy-addr rx  
browserify-des d3-array extend hmac-drbg jsonfile mocha safe-buffer  
browserify-rsa d3-collection external-editor hoek jsonify module-deps sass-graph  
browserify-sign d3-color extglob hoist-non-react-statics jsonparse moment scss-tokenizer  
browserify-zlib d3-ease extsprintf hooker jsonpointer ms sdp  
browser-pack d3-format fast-memoize hosted-git-info json-schema mute-stream selenium-standalone  
browser-resolve d3-interpolate fbjs html-element-attributes json-stable-stringify nan  
browser-stdout d3-path fd-slicer htmlescape json-stringify-safe nanoid semver  
buffer d3-scale fibers html-tag-names json-stringify-safe negotiator qs  
buffer-crc32 d3-shape figures http-errors jsonpr nested-error-stacks querystring  
buffer-shims d3-time filename-regexp https-browserify js-tokens node-fetch query-string  
buffer-xor d3-time-format fill-range http-signature jstransform node-gyp querystring-es3  
builtin-modules d3-timer finalhandler hyphenate-style-name js-yaml node-demon raf  
builtin-status-codes d3-voronoi find-up iconv-lite keypress node-globals randombytes  
bytes dashdash findup-sync ignore-by-default klaw normalize-package-data range-parser  
cached-path-relative dateformat follow-redirects ima-babel6-polyfill labeled-stream-splicer normalize-path  
camelcase camelcase-keys date-now font-awesome imurmurhash latest-version npm-install-package react  
camelcase-keys debug foreach imurmurhash lazystream npmlog react-addons-css-transition-group  
caseless decamelize forever-agent indent-string indexof lcid number-is-nan react-addons-shallow-compare  
chai deep-eql for-in infinity-agent lexical-scope oauth-sign react-alert  
chain-function deep-extend form-data inflight loader-utils object-assign react-dom  
chalk deepmerge for-own inherits load-json-file object.entries react-document-title  
chokidar defined forwarded fresh inline-source-map lodash assign object.getownpropertydescriptors react-dropzone  
cipher-base define-properties delayed-stream from inline-style-prefixer lodash.assignkey object.keys react-ga  
classlist-polyfill delegates fs-extra in-publish lodash.assigncopy object.omit react-html-attributes  
classnames depd fs.realpath inquirer lodash.assigncreate object.values reactify  
class-validator deps-sort fstream insert-module-globals lodash.bindcallback once react-images  
clean-css cli-cursor des.js function-bind invariant lodash.clonedep onetime react-moment-proptypes  
cliui destroy detective gauge invert-kv lodash.create on-finished react-portal  
cli-width co diff gaze ipaddr.js lodash.\_createassigner optimist react-progressbar  
code-point-at diffie-hellman generate-function isarray lodash.defaults os-browserify react-progress-bar-plus  
coffee-script domain-browser generate-object-property dom-helpers get-caller-file is-binary-path lodash.\_getnativemodev  
colors combined-stream duplexer getobject is-buffer lodash.isarray os-homedir react-resolver  
combined-stream duplex2 getpass is-built-in-module lodash.\_isiterateeall os-locale react-router  
combine-source-map duplexify getstdin is-callable lodash.keys os-tmpdir react-router-restore-scroll  
commander encodeurl got is-date-object lodash.memoize outpipe react-stream-combiner  
commoner ecc-jspm glamor is-dotfile lodash.mergewith package-json react-stream-combiner2  
compress-commons ee-first glamorous is-equal-shallow lodash.\_param pako react-side-effect  
concat-map ejr glob is-extglob lodash.\_paramwith parents react-spin  
concat-stream elliptic glob-base is-extensible lodash.\_rejection lowercase-keys parse-asn1 react-tools  
configstore emojis-list glob-parent is-extglob is-extglob lodash.\_iterateecall parse-glob  
console-browserify encodeurl got is-finite lru-cache parseurl path-browserify  
console-control-strings encoding graceful-fs is-fullwidth-code-point is-glob map-obj path-exists  
console-polyfill end-of-stream graceful-readlink is-glob is-my-json-valid map-stream path-is-absolute  
consolidated-events enhanced-resolve growl is-npm is-number memory-fs path-parse  
constants-browserify envyify grunt is-primitive is-object is-regex path-platform  
content-disposition errno grunt is-primitive is-posix-bracket isomorphic-fetch memory-fs path-to-regexp  
content-type error-ex grunt-contrib-clean is-primitive is-posix-bracket is-regex path-type  
convert-source-map es5-shim grunt-contrib-concat isobject is-stream merge-descriptors pause-stream  
cookie es6-promise grunt-contrib-copy is-primitive is-posix-bracket is-stream miller-rabin performance-now  
cookie-signature es6-shim grunt-contrib-cssmin is-primitive is-property mime pify  
core-js es-abstract grunt-contrib-uglify is-primitive is-regex mime-db pinkie  
core-util-is escape-html grunt-contrib-uglify is-primitive is-stream mimic-fn pinkie-promise  
crc escape-string-regexp grunt-css-url-replace is-primitive is-symbol minimalist-assert prepend-http  
crc32-stream exprima grunt-legacy-log-utils is-primitive is-touch-device minimalist-crypto-utils preserve  
create-ecdh exprima-fb grunt-legacy-util is-redirect is-stream is-symbol minimalist-assert  
create-hash es-to-primitive grunt-lib-contrib is-stream is-symbol minimalist-crypto-utils  
create-hmac etag har-schema has har-validator is-touch-device minimalist-crypto-utils  
create-react-class eventemitter2 has has-ansi is-typarray minimist process-nextick-args  
cross-spawn events has has-ansi is-utf8 minimist  
cryptiles event-stream has-ansi has-flag is-regex mime  
crypto-browserify evp\_bytestokey has-base jodid25519 mkdirp progress  
css exenv has-base exit hash.js jid-base64 mobx promise  
css-in-js-utils exit expand-brackets has-unicode isbn mobx-react prop-types  
css-parse expand-range hawk json3 mobx-react-devtools prop-types-exact  
css-value expand-range hawk json3 run-async

A large framework and  
a strong standard library

mean

fewer 3rd party libraries  
needed

# Documentation

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#### Sending encrypted reports

If you want to send an encrypted email (*optional*), the public key ID for [security@djangoproject.com](mailto:security@djangoproject.com) is **0xfc84b8d1d17f80b**, and this public key is available from most commonly-used keyservers.

### Supported versions

Search development documentation

### Support Django!



revolunet donated to the Django Foundation to support Django. [Donate today!](#)

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March 23, 2016

321 Comments

# NPM & left-pad: Have We Forgotten How To Program?

Okay developers, time to have a serious talk. As you are probably already aware, this week React, Babel, and a bunch of other high-profile packages on NPM broke. The reason they broke is rather astounding:

A simple NPM package called `left-pad` that was a dependency of their code.

`left-pad`, at the time of writing this, has 11 stars on GitHub. The entire package is 11 simple lines that implement a basic `left-pad` string function. In case those links ever die, here is the entire code of the `left-pad` package:

```
1 module.exports = leftpad;
2 function leftpad (str, len, ch) {
3     str = String(str);
4     var i = -1;
5     if (!ch && ch !== 0) ch = ' ';
6     len = len - str.length;
7     while (++i < len) {
8         str = ch + str;
9     }
10 }
```

## BIO

I am currently an Manager at **Stack Overflow** craft beer, movies and games.

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C#, Java, JavaScript

7 repos

55 forks

7 forks

181



Generate

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# The Python Standard Library

While [The Python Language Reference](#) describes the exact semantics of the Python language, this library reference manual describes the standard library that is distributed with Python. It also describes some optional components that are commonly included in Python distributions.

Python's standard library is very extensive, offering a wide range of functionality as indicated by the long table of contents listed below. The library consists of built-in modules (written in C) that provide access to system functionality such as file I/O that would otherwise be inaccessible to Python programs, as well as modules written in Python that provide standardized solutions for many problems that occur in everyday programming. Some of these modules are explicitly designed to encourage and enhance the portability of Python programs to different kinds of computer systems.

"One way to do it" means

Transferable  
knowledge

"Every Django project is  
the same, but every Node  
project is different."

-someone I heard once

"One way to do it" means

Less community  
fragmentation



Ricky Vetter

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@socialtables engineer, @chipotle advocate, @colorado native

May 18, 2015 · 4 min read

# We Compared 13 Top Flux Implementations—You Won't Believe Who Came Out On Top!

We've been using React with and without Flux for a little more than a year at Social Tables. Over this time we've implemented many flavors of state management from direct copies of Facebook's Flux tutorials to weird event-

3. Django is  
**CRUD-Y**

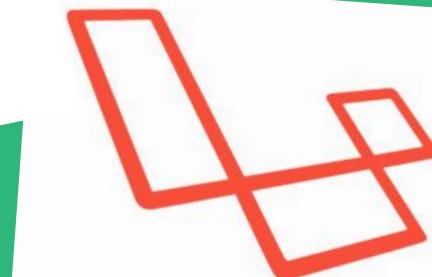
Django is good at

CRUD

React is good at

"Swish and Flick"

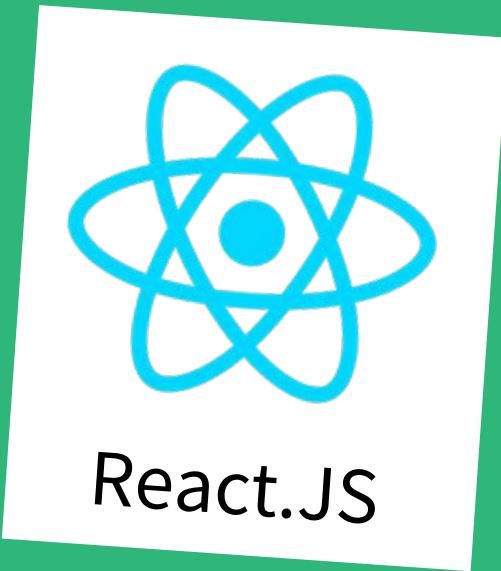
# Server-rendered static HTML pages



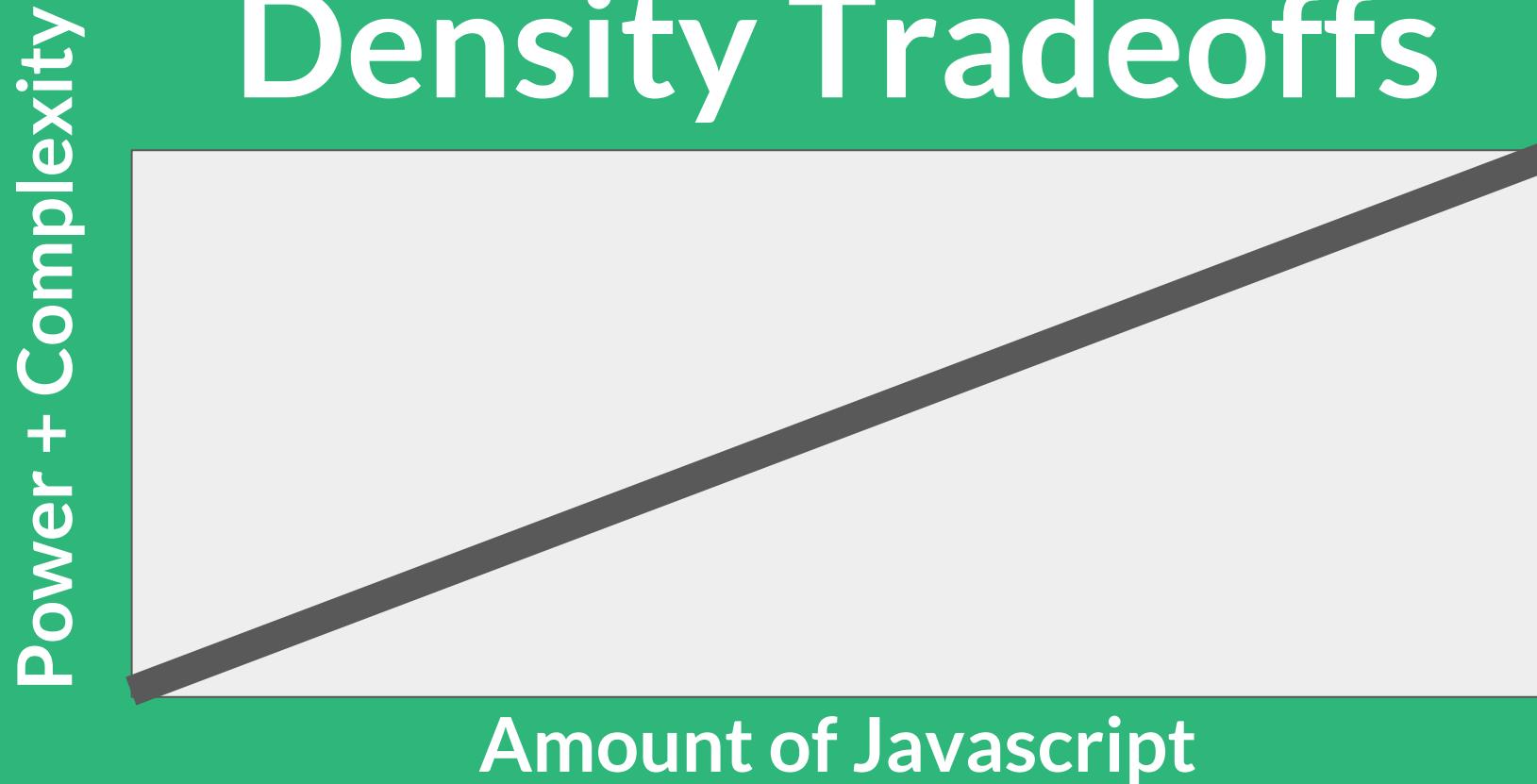
# Multi Page Apps



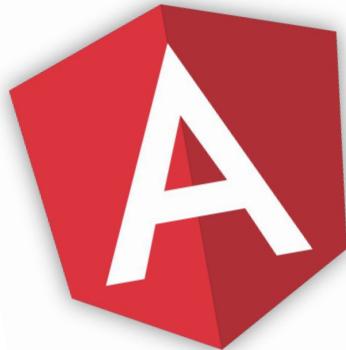
# Single Page Apps



# Client-Side Javascript Density Tradeoffs

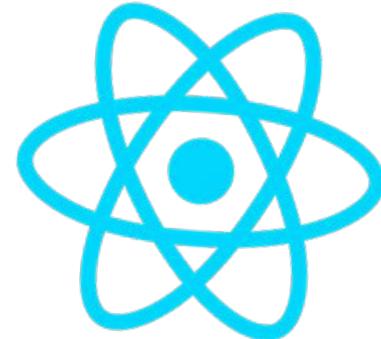


# Single Page Apps need REST APIs



Angular.js

RAILS



React.js



Vue.js

Angular

2x complexity

Business goal:

As simple as  
possible  
(but not simpler)

"I hate code and want as little of it as possible in our product."

-Jack Diederich

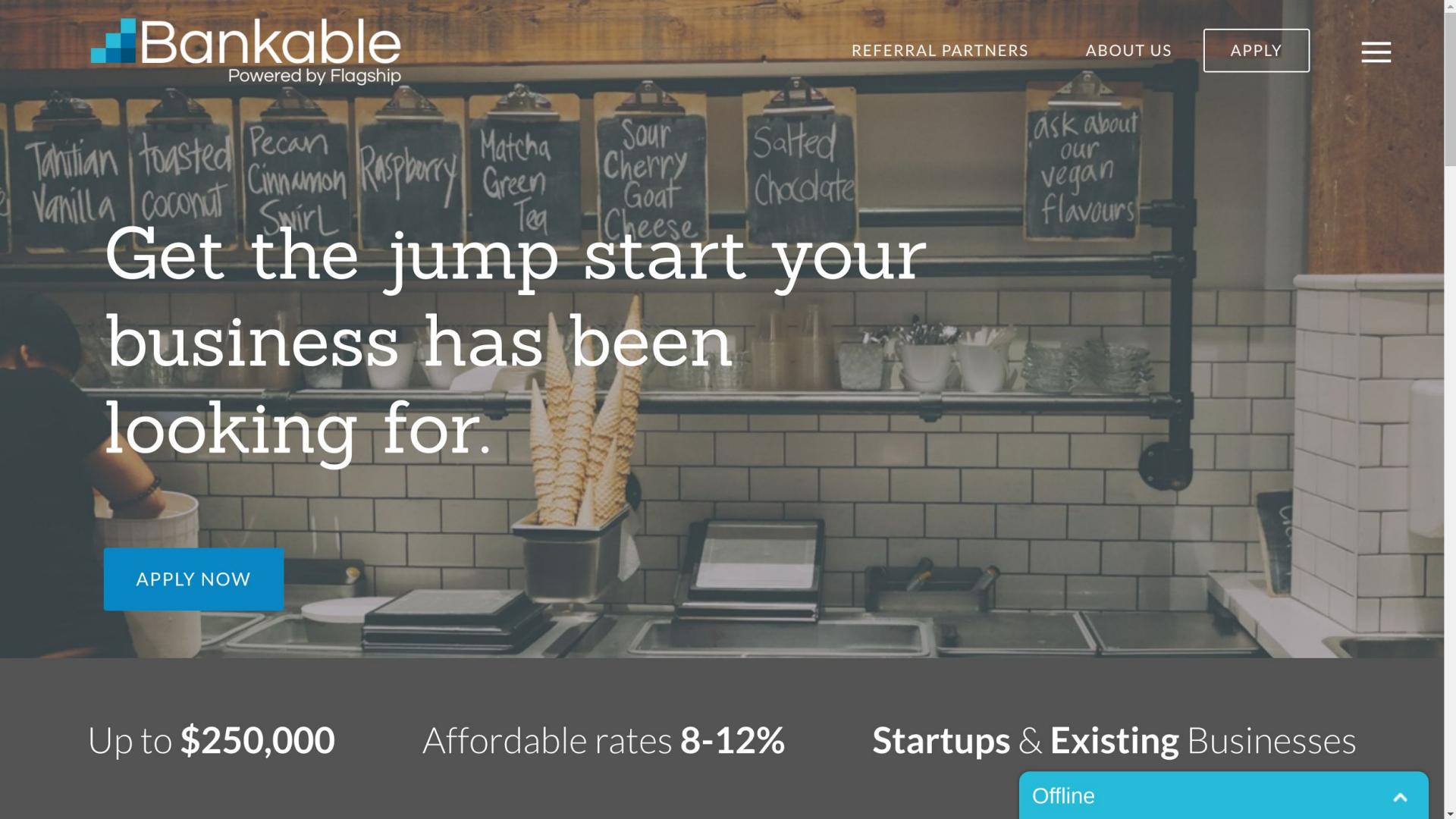
# Effective use of SPA: Gmail



Consider: A  
Sprinkling  
of Javascript

# jQuery still works!





# Get the jump start your business has been looking for.

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Up to **\$250,000**

Affordable rates **8-12%**

**Startups & Existing** Businesses

LOANTRAC											Data Management		Tasks		Client Updates		Technical Assistance		Reports		Hello David Colgan		Logout	
All Loans											Create A New Loan		Export Credit Report Data			Export as CSV								
Client Name	Original Loan Amount	Balance after Dec Payments	Dec Loan Payments	Dec Payments Interest	Dec Payments Principal	Original Loan Date	Loan Term in Months	Funding			Payments	View/Edit												
	\$15,300	\$15,300.00	\$0.00	\$0.00	\$0.00	Dec 15, 2014	36	0.0775	SBA Loan #5															
Garlic & Onions Ranch	\$23,000	\$23,000.00	\$0.00	\$0.00	\$0.00	Dec 11, 2014	36	0.086	SBA Loan #5	<a href="#">Payments</a>	<a href="#">View/Edit</a>													
Parties Unlimited	\$25,500	\$25,500.00	\$0.00	\$0.00	\$0.00	Dec 8, 2014	36	0.077	SBA Loan #5	<a href="#">Payments</a>	<a href="#">View/Edit</a>													
Lee Adama - Attorney at Law	\$29,360	\$28,836.29	\$713.32	\$189.62	\$523.71	Nov 25, 2014	48	0.0775	SBA Loan #5	<a href="#">Payments</a>	<a href="#">View/Edit</a>													
Oatmeal Squares, Inc.	\$20,000	\$19,722.45	\$398.39	\$120.83	\$277.55	Nov 21, 2014	60	0.0725	SBA Loan #5	<a href="#">Payments</a>	<a href="#">View/Edit</a>													
DS9, LLC	\$8,950	\$8,604.88	\$404.78	\$59.67	\$345.12	Nov 18, 2014	24	0.08	SBA Loan #5	<a href="#">Payments</a>	<a href="#">View/Edit</a>													
Zoo Equipment LLC	\$7,500	\$6,896.89	\$651.55	\$48.44	\$603.11	Nov 17, 2014	12	0.0775	SBA Loan #5	<a href="#">Payments</a>	<a href="#">View/Edit</a>													
Garlic & Onions Ranch	\$11,707.30	\$380.20	\$87.50	\$292.70	Nov 14, 2014	36	0.0875	SBA Loan #4	<a href="#">Payments</a>	<a href="#">View/Edit</a>														
Closure Consulting Group	\$25,590	\$25,524.03	\$628.41	\$162.44	\$465.97	Nov 13, 2014	48	0.075	SBA Loan #5	<a href="#">Payments</a>	<a href="#">View/Edit</a>													
At Work Business Supplies and Services, LLC	\$49,000	\$47,782.05	\$1,524.20	\$306.25	\$1,217.95	Nov 12, 2014	36	0.075	SBA Loan #2	<a href="#">Payments</a>	<a href="#">View/Edit</a>													

 LOANTRAC	Data Management	Tasks	Client Updates	Technical Assistance	Reports	Hello David Colgan	Logout				
Loan Report											
Date Range Start		Date Range End		Original Balance After			Dec		Original Loan		
				Loan	Nov	Dec	Loan	Payments	Term in	Interest	Funding
Client				Amount	Payments	Payments	Interest	Principal	Months	Rate	Source
Client		Turban Outfitters		15300	\$15300.00	\$0.00	\$0.00	\$0.00	36	0.0775	SBA Loan #5
-----		Parties Unlimited		23000	\$23000.00	\$0.00	\$0.00	\$0.00	36	0.086	SBA Loan #5
Client tags		Lee Adama - Attorney at Law		25500	\$25500.00	\$0.00	\$0.00	\$0.00	36	0.077	SBA Loan #5
Nothing selected		Oatmeal Squares, Inc.		29360	\$28836.29	\$713.32	\$189.62	\$523.71	48	0.0775	SBA Loan #5
Funding sources		DS9, LLC		20000	\$19722.45	\$398.39	\$120.83	\$277.55	60	0.0725	SBA Loan #5
Counties		Dr. Lambert's Psychiatry, LLC		8950	\$8604.88	\$404.78	\$59.67	\$345.12	24	0.08	SBA Loan #5
Nothing selected		Zoo Equipment LLC		7500	\$6896.89	\$651.55	\$48.44	\$603.11	12	0.0775	SBA Loan #5
Tags		Garlic & Onions Ranch		12000	\$11707.30	\$380.20	\$87.50	\$292.70	36	0.0875	SBA Loan #4
Nothing selected		Closure Consulting Group		25990	\$25524.03	\$628.41	\$162.44	\$465.97	48	0.075	SBA Loan #5

# Manage Loan Payments for Inking Octopus

## All Payments

Kind	Date of Payment	Balance after Payment	Payment Interest	Payment Principal	Edit
On Time	Jun 30, 2013	\$22,913.68	\$141.98	\$586.32	<button>Mark Missed</button>
On Time	Jul 31, 2013	\$22,323.81	\$138.44	\$589.86	<button>Mark Missed</button>
On Time	Aug 31, 2013	\$21,730.39	\$134.87	\$593.43	<button>Mark Missed</button>
Missed	Sep 30, 2013	\$21,730.39	\$0.00	\$0.00	
Missed	Oct 31, 2013	\$21,730.39	\$0.00	\$0.00	
Late	Nov 1, 2013	\$21,133.37	\$131.29	\$597.01	
Missed	Nov 30, 2013	\$21,133.37	\$0.00	\$0.00	
Missed	Dec 31, 2013	\$21,133.37	\$0.00	\$0.00	
Late	Jan 2, 2014	\$20,532.75	\$127.68	\$600.62	
On Time	Jan 31, 2014	\$19,928.50	\$124.05	\$604.25	<button>Mark Missed</button>
On Time	Feb 28, 2014	\$19,320.60	\$120.40	\$607.90	<button>Mark Missed</button>
On Time	Mar 31, 2014	\$18,709.03	\$116.73	\$611.57	<button>Mark Missed</button>
On Time	Apr 30, 2014	\$18,093.76	\$113.03	\$615.27	<button>Mark Missed</button>

[Export Amortization Table](#)
[Export as Payments CSV](#)

## Extra Payments

This client has not yet made any extra payments.

[Add an Extra Payment](#)

## Missed Payments

Original Due Date Repayment Date

Sep 30, 2013	Not yet repayed	<button>Edit</button>	<button>Del</button>
Oct 31, 2013	Nov 1, 2013	<button>Edit</button>	<button>Del</button>
Nov 30, 2013	Not yet repayed	<button>Edit</button>	<button>Del</button>
Dec 31, 2013	Jan 2, 2014	<button>Edit</button>	<button>Del</button>

## Fees

Static server  
rendered HTML  
is great for  
productivity

Most apps are probably  
in the middle



Dates

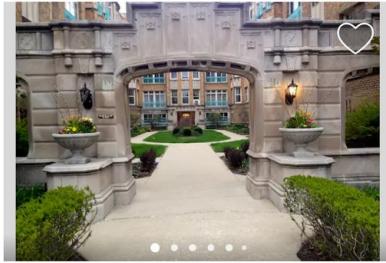
Guests

Room type

Price

Instant Book

More filters

**From \$60** • Hyde Park - Walk to UChicagoPrivate room · 1 bed  
Wireless Internet · Kitchen · Breakfast

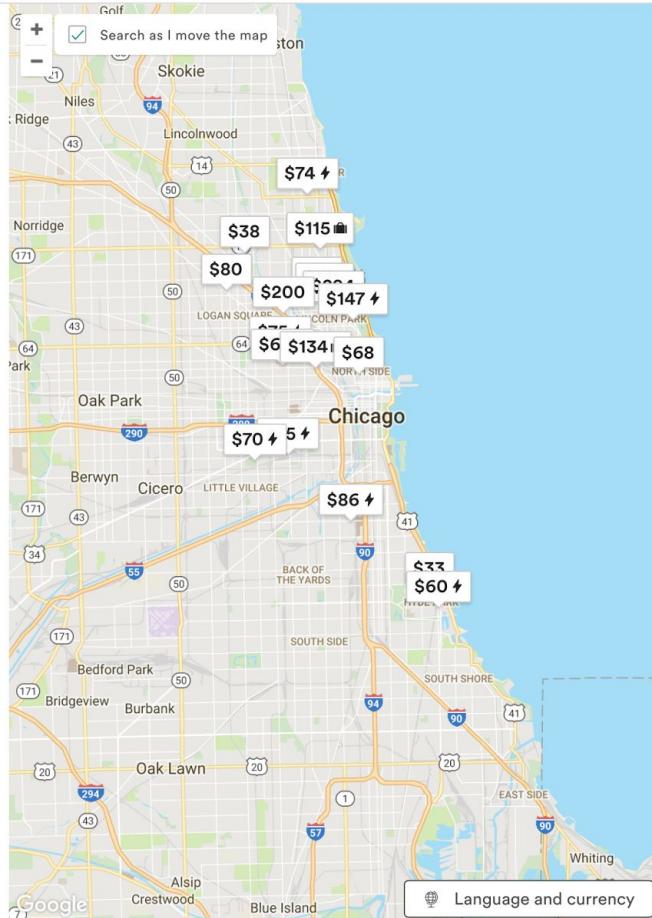
★★★★★ 99 reviews

**From \$70** • One great apartment, 332 gr...Entire house · 4 beds  
Free parking on premises · Internet · Family/kid friendly

★★★★★ 334 reviews

**From \$69** • Lincoln Park Oasis - Unit 2 ONLYEntire apartment · 4 beds  
Free parking on premises · Family/kid friendly · Internet

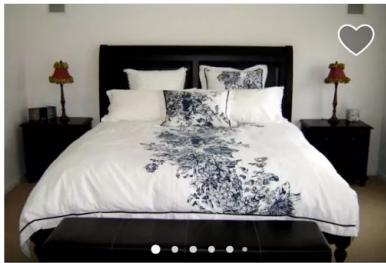
★★★★★ 77 reviews

**From \$75** • Tiny Studio Apartment 94 Wal...Entire apartment · 1 bed  
Family/kid friendly · Internet · Wireless Internet

★★★★★ 272 reviews

**From \$147** • Barbara's Hideaway - Old TownEntire apartment · 2 beds  
Internet · Family/kid friendly · Wireless Internet

★★★★★ 17 reviews

**From \$294** • Lincoln Park Guest HousePrivate room · 1 bed  
Free parking on premises · Internet · Wireless Internet

2 reviews





Dates

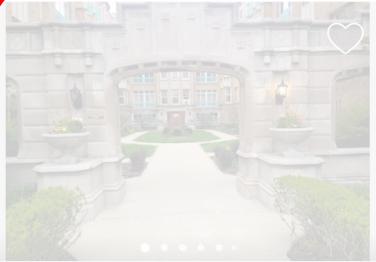
Guests

Room type

Price

Instant Book

More filters



From \$60 · Hyde Park - Walk to UChicago

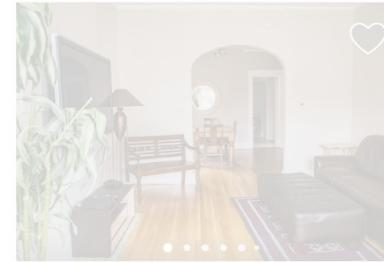
Private room · 1 bed  
Wireless Internet · Kitchen · Breakfast

★★★★★ 99 reviews



From \$70 · One great apartment, 332 gr...

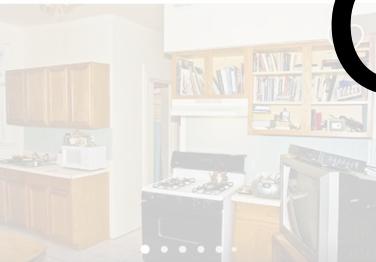
Entire house · 4 beds  
Free parking on premises · Internet · Family/kid friendly



From \$69 · Lincoln Park Oasis - Unit 2 ONLY

Entire apartment · 4 beds  
Free parking on premises · Family/kid friendly · Internet

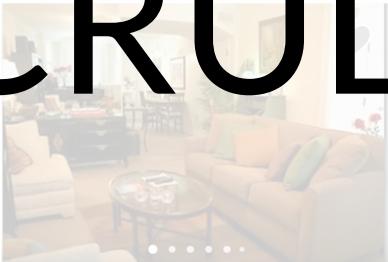
★★★★★ 77 reviews



From \$75 · Tiny Studio Apartment 94 Wal...

Entire apartment · 1 bed  
Family/kid friendly · Internet · Wireless Internet

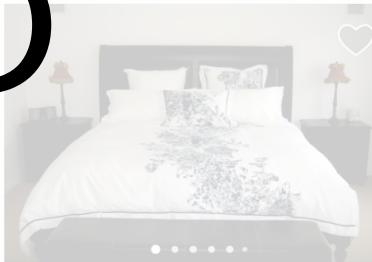
★★★★★ 272 reviews



From \$147 · Barbara's Hideaway - Old Town

Entire apartment · 2 beds  
Internet · Family/kid friendly · Wireless Internet

★★★★★ 17 reviews



From \$294 · Lincoln Park Guest House

Private room · 1 bed  
Free parking on premises · Internet · Wireless Internet

2 reviews

# CRUD

# Swish and Flick

Consider a  
gradual  
increase in complexity

# How much of your next gen app still CRUD?

Home page

About us page

Contact us page

The blog

Login page

Create account page

Profile page

Password reset page

Account settings page

Help docs pages

Probably more?

# Effective use of SPA: SmartFile



## Cloud File Sharing & FTP Hosting

The secure file management tool used by businesses worldwide. Simple file sharing for users with compliance controls for IT. The enlightened file sharing platform -- for a smarter, more productive way to work.

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A content-aware platform that fingerprints files for visibility and governance. Categorize information, automate policy rules and force secure file sharing enterprise-wide. Discover the new wave in file tracing technology.

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SOLUTIONS	INDUSTRIES	PLATFORM	SUPPORT	RESOURCES	COMPANY
On-prem File Management	Government	Building Blocks	Support	Case Studies	About Us
	Legal	FileHub™ (On-Prem)	How To	Infographics	Careers
Global File Transfer	Universities	Cloud	FAQs	Blog	News
	Pharma	Developer	System Status		Press Releases
Software Defined Storage	Energy	White Label Reseller	API Docs		Customers
	Construction	Feature Overview	Developer Forum		Contact
FTP Hosting	Banking	Solution Finder	Custom Branding		Press Kit
Managed File Transfer (MFT)	Healthcare				
	Agencies				
Virtual Data Room	Manufacturing				
Private Cloud Environment					
Hybrid File Management					
Cloud File Server					



lessboring



.....



[Forgot Password?](#)



← → ⌂

Secure

<https://app.smartfile.com/ftp/login/>

 Upload Download All Add Folder Share Access Notify / Home

There are no files in this directory.

 Click Here to UploadRows: 25 Page: 1 of 1 

Upload Download All Add Folder Share Access Notify

/ Home

There are no files in this directory.

 Click Here to Upload

Rows: 25

Page: 1 of 1

Filter  Regex  Hide data URLs

All XHR JS CSS Img Media Font Doc WS Manifest Other

20000 ms 40000 ms 60000 ms 80000 ms 100000 ms

Name
687a23e191d6.js
prum.min.js
fontawesome-webfont..
piwik.js
465759.js
task/
?4sTZmWVTUtTL
whoami/
rule/
?children=on&page=1..
task/
task/
task/

28 / 34 requests | 488 K...

**General**

Request URL: <https://lessboring.smartfile.com/api/2/whoami/>  
Request Method: GET  
Status Code: 200 OK  
Remote Address: 209.43.40.67:443  
Referrer Policy: no-referrer-when-downgrade

**Response Headers** [view source](#)

Allow: GET, HEAD, OPTIONS  
Cache-Control: no-cache, must-revalidate  
Content-Language: en  
Content-Type: application/json  
Date: Wed, 25 Oct 2017 17:19:15 GMT  
Expires: 0  
Pragma: no-cache  
Server: nginx  
Set-Cookie: csrfToken=mFkVMSpPPbrzCm4sX7Wd60BohJHG1PN0; expires=Wed, 24-Oct-2018 17:19:15 GMT; Max-Age=31449600; Path=/  
Set-Cookie: sessionid=68eba20dd468c02b088c917af74f3976; expires=Wed, 25-Oct-2017 17:39:14 GMT; httpOnly; Max-Age=1199; Path=

Console

top

Filter

Default levels

⚠ deprecationWarning: ignoreErrors is going to be removed raven\_1-a-8.js:1242

✖ GET <https://js.hs-analytics.net/analytics/150895200000/465759.js> (index):32  
net::ERR\_CONNECTION\_REFUSED

Elements Console Sources Network > 1 1 ⋮ X

/ Home

Filter  Regex  Hide data URLs

All | XHR JS CSS Img Media Font Doc WS Manifest Other

10000 ms 20000 ms 30000 ms 40000 ms 50000 ms 60000 ms 70000 ms

Client Response

Name Headers Preview Response Cookies Timing

Request URL: <https://lessboring.smartfile.com/api/2/whoami/>  
Request Method: GET  
Status Code: 200 OK

Remote Address: 203.151.10.8:7773  
Referrer Policy: no-referrer-when-downgrade

27 / 3...

```
ceb44...
687a2...
prum....
fontaw...
piwik.js
46575...
task/
?e89z...
whoami/
rule/
?childr...
task/
▶ {site: {active: true, name: "lessboring", company: "", in
  address: "24.12.143.190"
  ▶ site: {active: true, name: "lessboring", company: "", i
    active: true
    address_one: ""
    address_two: ""
    city: ""
    company: ""
    contact: "David Colgan"
    country: ""
    email: "david@lessboring.com"
    industry: "Other"
    name: "lessboring"
    phone: ""
    ▶ quota: {disk_bytes_tally: 0, disk_bytes_limit: 109951
      state: ""}}
```

[!\[\]\(e72161f9a614d03bf7b3fcf7d0c52984\_img.jpg\) API Overview](#)[!\[\]\(e14253018ce2e8c3ff8aba509a87879f\_img.jpg\) Paths](#)[!\[\]\(2eaba57976bda79ee94b5e8f1d1ecec7\_img.jpg\) Path Operations](#)[!\[\]\(40bcbc1f9b49df62f0b6304fae5d8ed7\_img.jpg\) Tasks](#)[!\[\]\(fd3c2ba7551efd0b612048e971d1e836\_img.jpg\) Sites](#)[!\[\]\(9a21e67d93507b80e681d021de829590\_img.jpg\) Users](#)[!\[\]\(262b02db68c96837beb2778d0ab7fc35\_img.jpg\) Groups](#)[!\[\]\(48ff7e3248e7674e47eb50ded892ebc4\_img.jpg\) Preferences](#)[!\[\]\(897200d8fd784bd09f3b24426f4017c9\_img.jpg\) Automation](#)[!\[\]\(031ab9ba41ee47bcc526ece531bda3c4\_img.jpg\) Links](#)[!\[\]\(41b16f6978efbec1770769f1e16f206d\_img.jpg\) Activity](#)[!\[\]\(04f32ad386f3d3dd5fb2e8ebb6031963\_img.jpg\) Ping](#)[!\[\]\(83f8567762795b6d960ed3c1bf20a041\_img.jpg\) Whoami](#)

# Whoami Item

## Summary

A simple endpoint to echo your identity. If your account has access (the `site_manage` right) this endpoint will also return the `site` information. For more information about the site information see the [Site API endpoint](#).

## Response Parameters

This endpoint will echo what the API knows about you.

Parameter	Description	Format
<code>address</code>	Your IP address. This information may be useful for troubleshooting.	string
<code>user</code>	Your user information. For more information about the user see the <a href="#">User API endpoint</a> .	object
<code>site</code>	Your site information. Included if <code>site_manage</code> right enabled.	object

Software engineering  
is all about  
**tradeoffs**

# In summary

Consider using  
mature tech

Consider using  
opinionated  
tech

Consider that  
you might not need a  
single page app

Consider  
the business value  
of your code to become  
stupidly valuable.

How can I help?



[david@lessboring.com](mailto:david@lessboring.com)

Learn more at:



[lessboring.com/letters/](http://lessboring.com/letters/)