







Square









Home



Account & Settings



Devices



Reports



Menus



Items



Team



Orders

Appointments

Customers

Online

Invoices

Virtual Terminal

Transactions

Balance

Capital

Gift Cards

Welcome back. Here's your business at a glance.

You have an **upcoming transfer** of \$18,315.68.

Gross sales

\$24,273.65 >

Transactions

519 >

Payment types >

Card	\$12,136.83
Cash	\$6,068.41
Other	\$6,068.41



Top items by sales >

Tableware Set	56	\$1,960.00
Drinking Glasses	37	\$1,665.00
Bath Towels	18	\$324.00

Transfer \$18,315.68 now

Take a payment

Send an invoice

Create an estimate

Last 30 days

Total customers	363 >
New customers	261 >
Returning customers	102 >
Average visits per customer	3 >
Average spent per visit	\$51.96 >
Positive feedback	27 >
Negative feedback	4 >
Gift cards loaded	1 >
Gift cards total	\$100.00 >

Modernizing a Massive Monolith

Aubrey Knudson



acknudson



Long-term

Resilient

Evolving

- Documentation
- Semantic Versioning
- Long-Term Support (LTS)
- Codemods & Lints

“Weirdware”

Square Dashboard

May 19, 2013 – Feb 12, 2021

Contributions: Commits ▾

Contributions to master, excluding merge commits





2010

2010

Looking for your receipt?
Mobile number or email Amount paid Find Receipt Sign In

2011



Sign In

Start accepting credit cards.

The simplest way to make money.

Full name or company name

Email address

Create a password

Verify password

Sign Up



Love at first swipe.

Sign up for Square, get your free card reader in the mail, and start swiping. Accept all credit cards. No hidden fees, no commitments—ever.

Available for iPhone, iPad, and Android.

[FAQ](#) [About](#) [Terms](#) [Privacy](#) [Security](#) [Jobs](#) [@Square](#)



Chris Messina [Settings](#) [Help](#) [Sign Out](#)

Balance **\$0.00**
Next Deposit **\$0.00**

Take your first card payment!

Your Square card reader will be delivered in 2 to 5 days via USPS Standard Mail.

Chris Messina
San Francisco, CA 94110
[edit shipping address](#)

Take your first card payment now!

You can manually enter card details while you wait for your Square card reader to arrive.

Link your bank account and Square will automatically deposit the money you accept from credit card payments.

2011

[FAQ](#) [Pricing](#) [Security](#) [Media](#) [Legal](#) [Jobs](#) [@Square](#)

public / javascripts / **sproutcore.min.js** ADDED +X

```
1 + // -----
2 + // Project: SproutCore - JavaScript Application Framework
3 + // Copyright: ©2006-2011 Strobe Inc. and contributors.
4 + // Portions ©2008-2011 Apple Inc. All rights reserved.
5 + // License: Licensed under MIT license (see license.js)
6 + // -----
7 +
8 + (function(a){var b={};window.Handlebars=b,b.VERSION="1.0.beta.2",b.helpers={},b.partials={},b.registerHelper=function
9 + )throw new Error("Invalid Path");return j[0]=a,j[1]=b,j}var b=SC.platform.setPropertyAccessors&&SC.ENV.USE_ACCESSORS;
10 + ,f=b(this,"hasEnumerableObservers");return f&&SC.propertyWillChange(this,"hasEnumerableObservers"),SC.removeListener(
11 + :["sc-view"],classNameBindings:[],attributeBindings:[],init:function(){c(this,"state","preRender");var a=b(this,"_par
```

Nov 15, 2011

2012

Square Dashboard - Payments

<https://squareup.com/payments>

Square Inc. Google

Today [May 2012](#) Weekdays [Spreadsheets](#)

This week This month

	Payments	Subtotal	Tax	Tips	Refunds	Total	Fees	Net
Food	73	\$75.00	\$0.14	\$62.25	\$3.07	\$134.32	\$4.07	\$130.25
Drinks	115	\$129.04	\$0.07	\$0.00	\$110.00	\$19.11	\$0.00	\$109.04
Other	457	\$488.66	\$0.45	\$160.38	\$22.77	\$626.72	\$16.70	\$609.02
Total	645	\$692.70	\$0.66	\$222.63	\$135.84	\$780.15	\$20.77	\$759.38

Thu, May 31 60 Payments

- 3:52 p.m. Chai Latte
- 3:39 p.m. Dirty Chai and Regular's Discount
- 3:39 p.m. Cappuccino
- 3:30 p.m. Macchiato!

Next Deposit \$0.00

Account Help Sign Out

12/25/2011 – 03/23/2012

Today This Week This Month

Mar 2012

March 2012

S	M	T	W	T	F	S
FEB 26	FEB 27	FEB 28	FEB 29	MAR 1	MAR 2	MAR 3
MAR 4	MAR 5	MAR 6	MAR 7	MAR 8	MAR 9	MAR 10
MAR 11	MAR 12	MAR 13	MAR 14	MAR 15	MAR 16	MAR 17
MAR 18	MAR 19	MAR 20	MAR 21	MAR 22	MAR 23	MAR 24
MAR 25	MAR 26	MAR 27	MAR 28	MAR 29	MAR 30	MAR 31

OK

Transactions Spreadsheet Item Sales Spreadsheet

1 Payment

2012

2013

▼ 8 Gemfile

	...	@@ -18,10 +18,12 @@ group :assets do
18	18	gem 'i18n-js', git: 'git@git.squareup.com:javascript/i18n.js.git'
19	19	gem 'i18n-js-rails', git: 'git@git.squareup.com:javascript/i18n-js-rails.git'
20	20	gem 'field-kit-rails', git: 'git@git.squareup.com:javascript/field-kit-rails.git'
21	- end	
22	21 +	
23		- gem 'jquery-rails'
24		- gem 'ember-rails'
	22	+ gem 'jquery-rails'
	23	+ gem 'ember-rails'
	24	+ gem 'ember-source', '1.0.0.rc3.4'
	25	+ gem 'handlebars-source', '1.0.0.rc4'
	26	+ end
25	27	
26	28	# Testing
27	29	gem 'rspec-rails'
	...	

May 21, 2013 -- Ember 1.0.0.rc3.4

Square Dashboard - Items

Square Inc. squareup.com Square Home

Payments Deposits Items Business Settings

All Items 1 item + New Item

Sugarplums

All Items

Discounts

CATEGORIES

Big Kiddos

Growing Kiddos

Little Kiddos

Item

Quiz Book

Payments Deposits Items Business Settings

05/19/2011 – 09/27/2012

Jul 2012 Aug 2012

Day of Week Time of Day

Download Spreadsheet:

Transactions

Items Detail

Items Summary

Payments Subtotal Tax Tips Refunds Total Fees Net Total

Total 742 \$712,405.61 \$32.44 \$59.43 \$710,706.43 \$1,791.05 \$19.14 \$1,771.91

More Testimonials Pricing Resources Legal About Us © 2009–2011 Square Inc. All rights reserved.

2013

2014



HOME

SALES

ITEMS

ORDERS

EMPLOYEES

CUSTOMERS

BUSINESS



Reports

Transactions

Deposits

Invoices

< 07/22/2014 >

Sales Summary

Sales Trends

Payment Methods

Item Sales

Category Sales

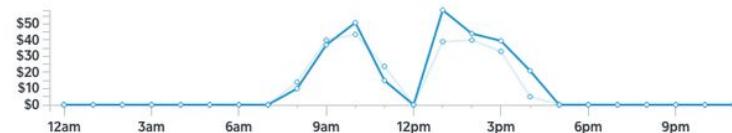
Mobile Staff Sales

Discounts

Taxes

DAILY GROSS SALES

Gross sales on Jul 22, 2014 were \$276. This was up 13.60% from the prior Tuesday.



JUL 22, 2014

JUL 15, 2014

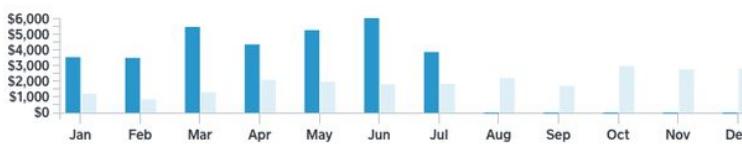
WEEKLY GROSS SALES

Gross sales for the week of Jul 22, 2014 were \$1,460. This was up 64.19% from the prior week.

JUL 25
\$346.25JUL 18
\$397.50- JUL 26
- JUL 20

YEARLY GROSS SALES

Gross sales in 2014 were \$32,212. This was up 100.00% from the prior year.

2014
2013

2014

2015

The screenshot shows a POS software interface with a dark header bar. The top navigation menu includes links for HOME, SALES, ITEMS, ORDERS, EMPLOYEES, CUSTOMERS, and BUSINESS, along with a user icon. Below the header, a secondary navigation bar offers links for Reports, Transactions, Deposits, and Invoices. A date range selector shows "07/22/2014" with arrows for navigation. The main content area is divided into two sections: "Sales Summary" on the left and "DAILY GROSS SALES" on the right. The "Sales Summary" section contains a chart with three bars: a blue bar for "JUL 22, 2014" reaching the top, a green bar for "JUL 15, 2014" slightly below it, and a grey bar for "JUL 8, 2014" at the bottom. The "DAILY GROSS SALES" section displays a summary message: "Gross sales on Jul 22, 2014 were \$276. This was up 13.60% from the prior day".

HOME SALES ITEMS ORDERS EMPLOYEES CUSTOMERS BUSINESS

Reports Transactions Deposits Invoices

< 07/22/2014 >

Sales Summary

DAILY GROSS SALES
Gross sales on Jul 22, 2014 were \$276. This was up 13.60% from the prior day.

JUL 22, 2014
JUL 15, 2014
JUL 8, 2014

2015



2015

The screenshot shows a payroll application interface. At the top, there's a navigation bar with tabs: Run Payroll (which is active), History, Employees, Tax Forms, and Settings. Below the navigation bar, the title "Payroll" is displayed, followed by the subtitle "Payroll for Jul. 11, 2015 - Jul. 24, 2015". A button labeled "Import Timecards" is visible. A green notification bar at the top indicates that "Timecard hours were imported for Jul. 11, 2015 12:00am - Jul. 24, 2015 11:59pm." and includes a "View Timecards" link. The main content area is a table showing employee details and their pay information:

Employee	Rate	Reg Hours	Overtime	Double	Additional	Tips Paid	Gross Pay
Erin Hills	\$9.00	80	3	0	\$0.00	\$0.00	\$760.50
Jake Anderson	\$13.00	48	0	0	\$0.00	\$0.00	\$624.00
Lauren Noble	\$15.00	80	5	0	\$0.00	\$0.00	\$1,312.50
Ryan Nakamura	\$9.00	79	0	0	\$0.00	\$0.00	\$711.00
Kaitlyn Spindel	\$9.00	57	0	0	\$0.00	\$0.00	\$513.00
Subtotal		344	8	0	\$0.00	\$0.00	\$3,921.00

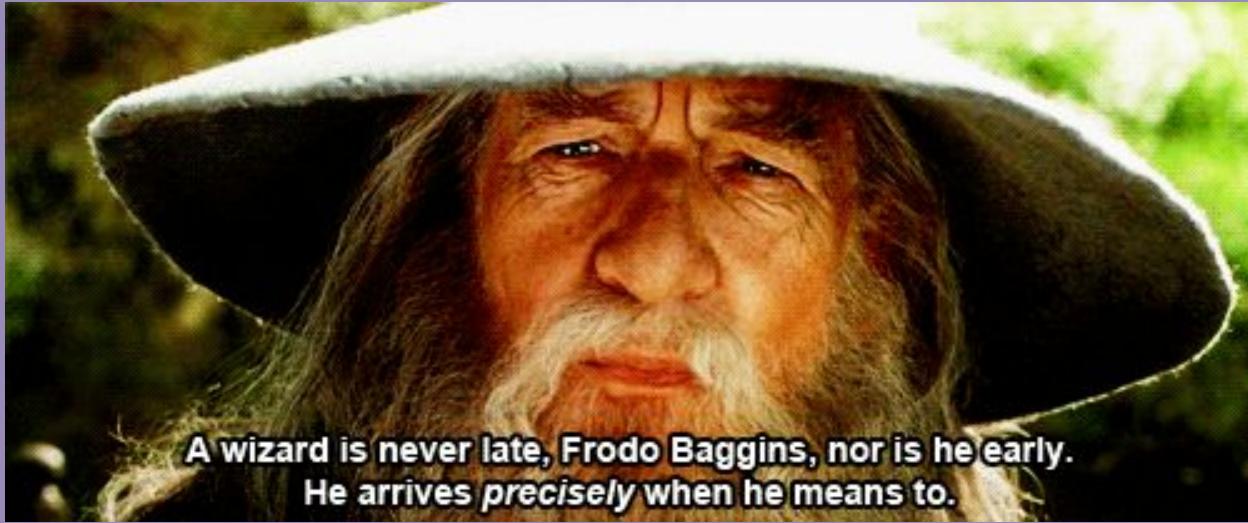
At the bottom right of the table area, there is a "Continue" button.

2015

2016



2016



A wizard is never late, Frodo Baggins, nor is he early.
He arrives *precisely* when he means to.



EAT
SLEEP
CODE
REPEAT

2016

Subscription Pricing

You are billed monthly for all active paid services (excluding free trials). Additional charges will be made per usage. You may also be charged sales tax if applicable. [Learn more >](#)

Payment Method

Visa ending in 1129

[Update payment method](#)

Square for Restaurants Plus

\$60 per location (includes one point of sale)

\$40 per additional point of sale

You have 1 location

You have 0 additional points of sale

\$60 monthly payment

Next payment March 1, 2021

[Manage](#)

2016

2017



2017



January

2.1

2.2



February

2.5



May

2.7.3

2.9.1



September

2.15



December

2.16.2

2017



CoffeeScript

2017



README.md

decaffeinate

[npm v6.1.6](#)

[gitter](#) [join chat](#)

Goodbye CoffeeScript, hello JavaScript!

JavaScript is the future, in part thanks to CoffeeScript. Now that it has served its purpose, it's time to move on. Convert your CoffeeScript source to modern JavaScript with decaffeinate.

2017



README.md

decaffeinate

[npm v6.1.6](#)

[gitter](#) [join chat](#)

Goodbye CoffeeScript, hello JavaScript!

JavaScript is the future, in part thanks to CoffeeScript. Now the time has come to move on. Convert your CoffeeScript source to modern



JavaScript with decaffeinate.

2017

$\Sigma\Sigma$ partial $\Xi\Xi$

2017

ΣΣ paxal ΣΣ

2017

Pre-RFC: Deprecate partials #390

 Closed

tomdale opened this issue on Oct 16, 2018 · 16 comments



tomdale commented on Oct 16, 2018

Member  ...

Partials are widely believed to be a bad idea, but we don't do enough to help people understand that they should *always* prefer a component to a partial.

2017

The screenshot shows a POS system interface. At the top, there is a navigation bar with links: HOME, SALES (which is highlighted in red), ITEMS, ORDERS, EMPLOYEES, CUSTOMERS, and BUSINESS. To the right of the navigation bar is a user icon. Below the navigation bar, there is a secondary menu with links: Reports, Transactions, Deposits, and Invoices. The main content area has a date selector showing "07/22/2014". To the left of the date selector is a "Sales Summary" section. To the right of the date selector is a "DAILY GROSS SALES" section. The "DAILY GROSS SALES" section contains the text: "Gross sales on Jul 22, 2014 were \$276. This was up 13.60% from the prior day." There are two colored squares next to the dates: a blue square for "JUL 22, 2014" and a light blue square for "JUL 15, 2014".

HOME SALES ITEMS ORDERS EMPLOYEES CUSTOMERS BUSINESS

Reports Transactions Deposits Invoices

< 07/22/2014 >

Sales Summary

DAILY GROSS SALES

Gross sales on Jul 22, 2014 were \$276. This was up 13.60% from the prior day.

■ JUL 22, 2014
■ JUL 15, 2014

2017

Aug 13, 2017 – Feb 20, 2021

Contributions: Commits ▾

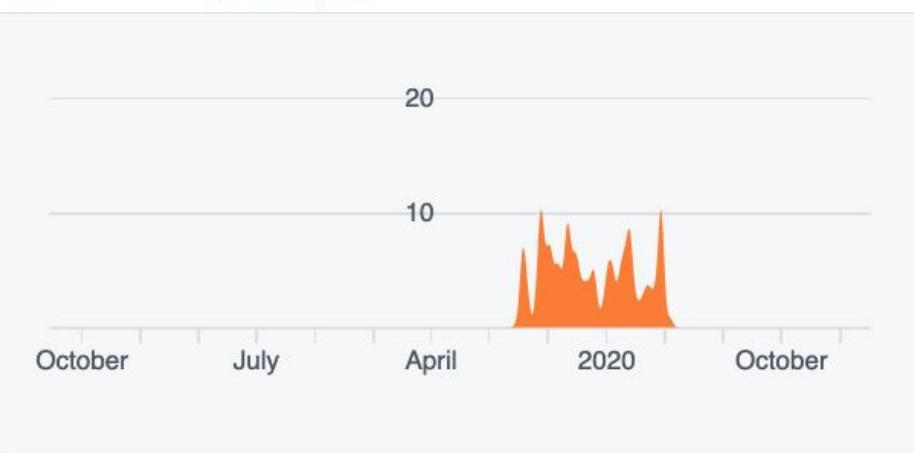
Contributions to master, excluding merge commits



renovate-bot

177 commits 8,067 ++ 7,323 --

#2



2017

“subapps”

2017



2018



January
CSS Addon
2.18



April
Engine!



August
3.1

2018



JS

wirejs

Generate JavaScript with associated TypeScript declaration files from your Protocol Buffer definitions.

2018



2018

2019

≡ Home

Main Location ▾ MONDAY FEBRUARY 4, 2019, 9:02 PM

Deposits \$0.00 No Upcoming Deposits

Verify Card for Instant Deposit

Payment Methods

No sales yet today

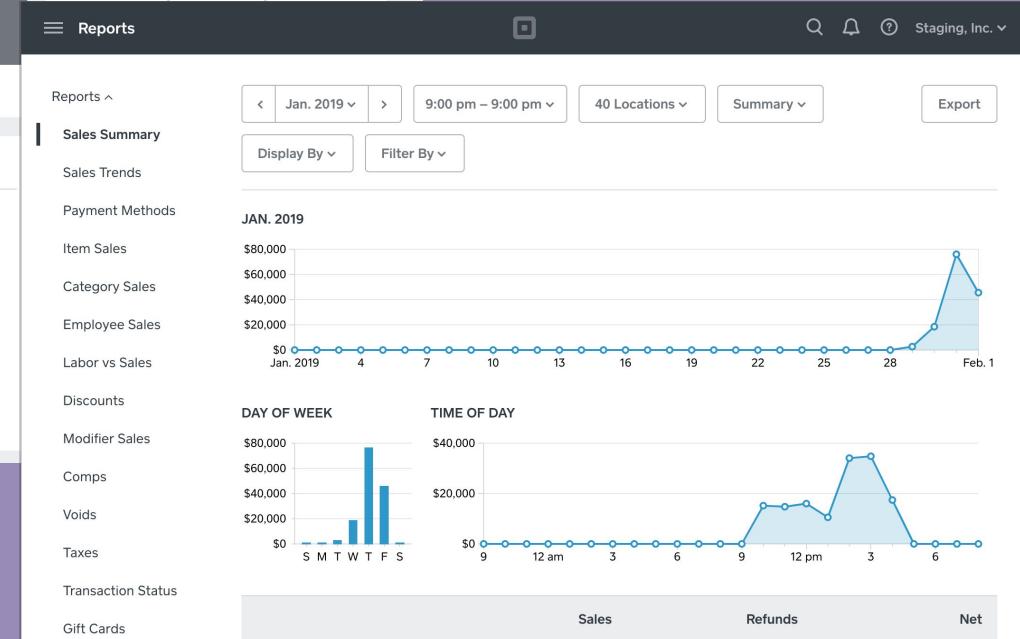
Home Reports Transactions

Deposits Items Customers

Virtual Terminal Employees Account & Settings

Payroll

Capital Invoices Gift Cards Loyalty Marketing Installments



2019



March

3.2



April

3.6



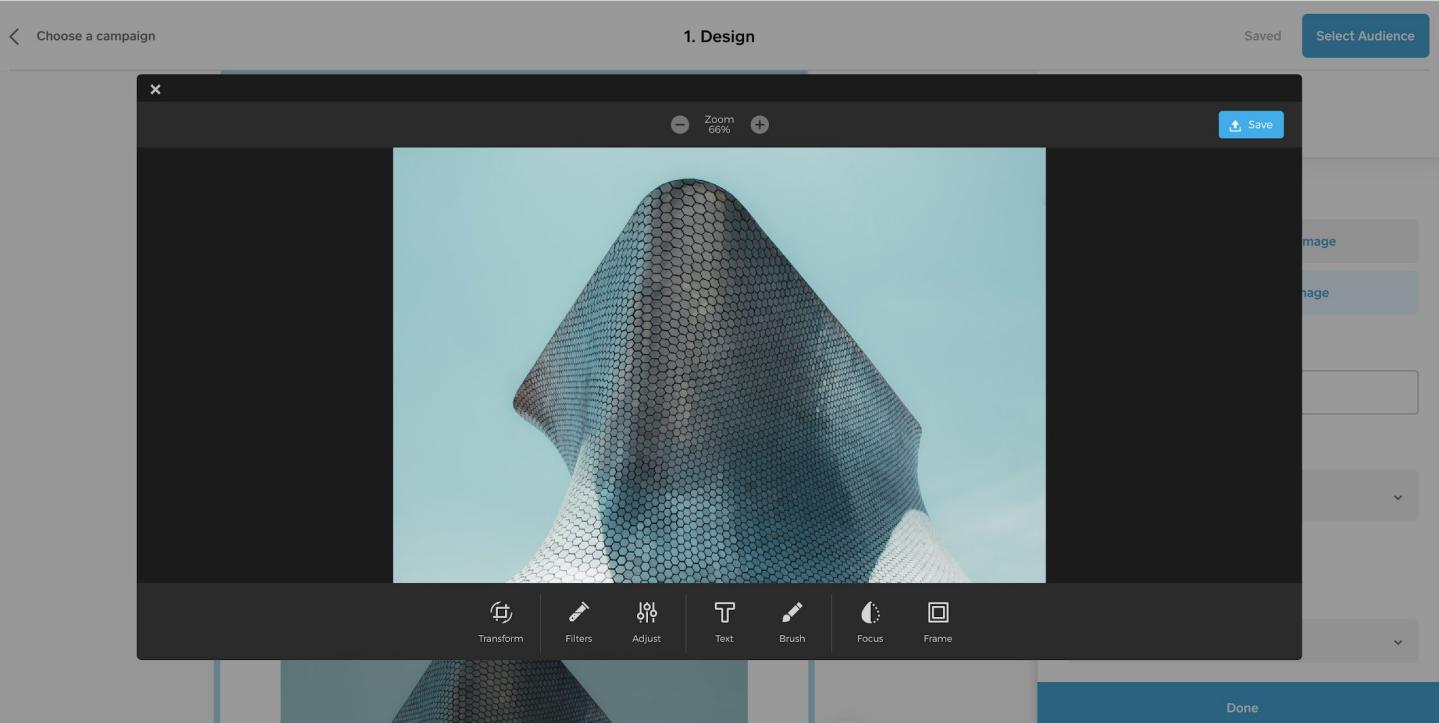
August

3.12 (LTS)
Addons

2019



2019 -- Yarn & Workspaces



2019

2020



May
WIP 3.16
(LTS)

2020

Ember.Model

 build passing

Introduction

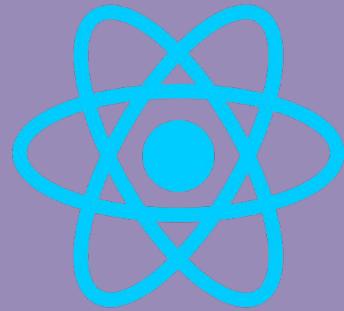
Ember Model (EM) is a simple and lightweight model library for Ember. It intentionally supports a limited feature set. The main goal is to provide primitives on top of `$.ajax` that are required by Ember.

EM is still a work in progress, but it's flexible and stable enough to be [used in production apps today](#). It was extracted out of an Ember app. Please see the issues section for a list of bugs and planned features.

2020



2020



?!?!?

2020

Ember Model Migration Benefits

-  Weirdware
- Documentation
- Community support
- More functionality
- Faster future upgrades
- Less difficult than a rewrite

ember[®]data

2020

README.md

qunit-bdd

[npm package](#) 3.1.0

BDD-style testing for QUnit.

NOTE: This library should be considered deprecated in favor of using [Mocha](#), which offers a similar BDD API. You're welcome to use it, but please do not expect a response to issues or pull requests.

```
describe('keys', function() {
  describe('.camelize', function() {
    it('camelizes top-level keys', function() {
      expect(camelize({ ohai_there: 'friend' })).to.eql({ ohaiThere: 'friend' });
    });

    it('camelizes nested keys', function() {
      expect(camelize({ foo_bar: { bar_baz: 'baz' } }))
        .to.eql({ fooBar: { barBaz: 'baz' } });
    });

    it('camelizes array objects', function() {
      expect(camelize([{ foo_bar: { bar_baz: 'baz' } }, { ohai_there: 'friend' }] ))
        .to.eql([{ fooBar: { barBaz: 'baz' } }, { ohaiThere: 'friend' }]);
    });
  });
});
```

2020

qunit-dom

build passing npm v1.6.0

High Level DOM Assertions for [QUnit](#)

```
assert.dom('h1').exists();
assert.dom('h1').hasClass('title');
assert.dom('h1').hasText('Welcome to Ember, John Doe!');

assert.dom('input').isFocused();
assert.dom('input').hasValue(/.+ Doe/);
assert.dom('input').hasAttribute('type', 'text');
```

RST-14386 KDS Reporting Engine initial setup #35383

Merged acknudson merged 1 commit into master from aubrey/kdsEngine on Jul 21, 2020

Conversation 3 Commits 1 Checks 0 Files changed 43

acknudson commented on Jul 16, 2020

Ran yarn generate-engine and mounted the new engine in its dummy app.
Added necessary additional files, such as .stylelintrc.json and updated
the engine's README from the boilerplate code.

All actions are being documented in <https://docs.google.com/document/d/1R5szOL3E2BxiNDnXoK1FxgHiV1mJwrSlurpUzJLrV>
Dashboard docs.



2020

Why Engines?

- Organization
- Isolation
- Code sharing
- Experience
- Faster iteration
- Separate deploys?

2021

Home

Account & Settings

Devices

Reports

Menus

Items

Team

Orders

Appointments

Customers

Online

Invoices

Virtual Terminal

Transactions

Balance

Capital

Gift Cards

Welcome back. Here's your business at a glance.

You have an **upcoming transfer** of \$18,315.68.

Gross sales
\$24,273.65 >

Transactions
519 >

Payment types >

Card	\$12,136.83
Cash	\$6,068.41
Other	\$6,068.41

A donut chart showing payment types distribution.

Top items by sales >

Tableware Set	56	\$1,960.00
Drinking Glasses	37	\$1,665.00
Bath Towels	18	\$324.00

Last 30 days

Total customers	363 >
New customers	261 >
Returning customers	102 >
Average visits per customer	3 >
Average spent per visit	\$51.96 >
Positive feedback	27 >
Negative feedback	4 >
Gift cards loaded	1 >
Gift cards total	\$100.00 >

2021

What made all of this possible

Tooling

- Codemods
- Lint rules

Time

- Dedicated team
- Internal community

Ember Stability

- Upgrade paths
- LTS Versions

Open Source Community

- Less weirdware!
- Better maintainability & learnability

Long-term
Resilient
Evolving

Looking ahead

- Move more code into Engines
 - Remove Ember Model
 - Move models to Addons
 - Move globals to Services for Engines
- Upgrade to Octane and latest Ember
- Remove deprecations to get to 4.0
- Update test syntax
- Write more Typescript

Yes, we're hiring!

careers.squareup.com

