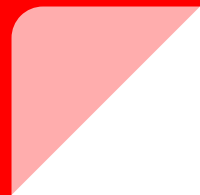




Entrée

David Valentin and Sam Ferguson





The Problem



Restaurants

- Phone orders take time and make pickup and delivery less efficient
- No way to control customer experience
- 95% of independent restaurants and 60% don't have online menus -

TechCrunch



Customers

- Expect smooth customer experience with updates on food prep time
- Want a simple online ordering
- Expect restaurant info of menu items and hours online



The Solution: Entrée



Restaurants



Connects students and residents to online ordering



Managing customer experience for pickup or delivery



Orders are stored in the cloud



Customers



Platform for online ordering with up-to-date restaurant info



SMS updates on order status for delivery or pickup



Onboarding with restaurants: Green Peppers and the Grille



Competition



- Limited restaurants and only delivery
- Expensive delivery fee
- Relies on student labor
- No competition



- Operate in large metropolitan areas
- High cost for rural restaurants
- “Few others **outside of tightly packed urban hubs** have proven they can consistently make much money using food delivering” - WSJ 3/7/19



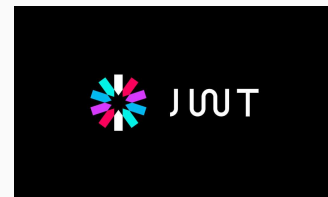
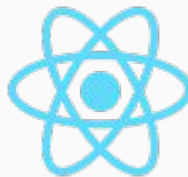
Mission

“Providing simple, quality software to underserved, rural businesses and communities”



Tech Stack

Frameworks



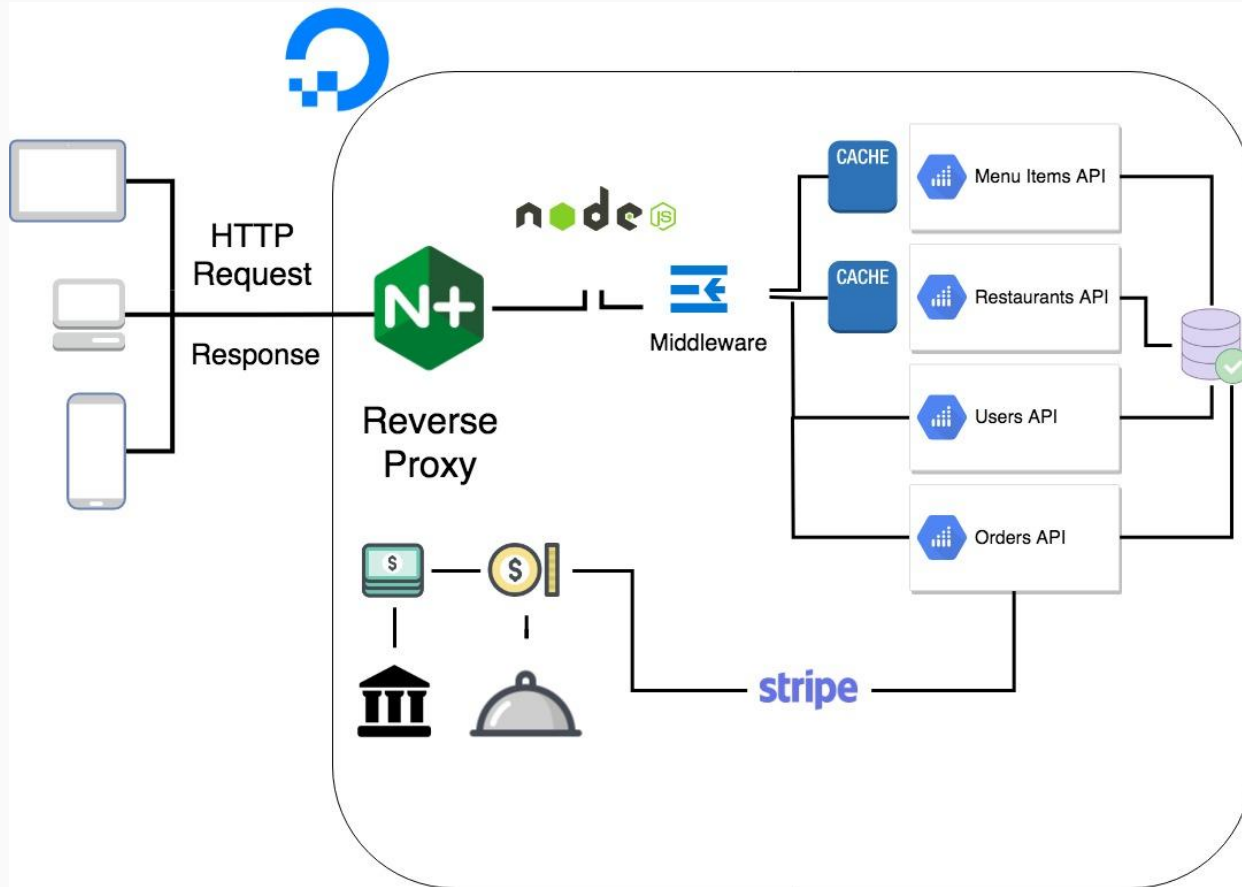
Version Control,
Testing, and
Process
Management



Third Party
APIs



System Design





Deliverables

API Testing

Security &
Validation

SQLite to
PostgreSQL

Bug Fixes &
Refactoring

Split Payments &
Stripe Integration

Automate
Production
Deployment

CRM Email
Integration

Continuous
Deployment

API Testing & CI

Automate
Frontend Testing



Deliverables

API Testing

Security &
Validation

SQLite to
PostgreSQL

Bug Fixes &
Refactoring

Split Payments &
Stripe Integration

Automate
Production
Deployment

CRM Email
Integration

Continuous
Deployment

API Testing & CI

Automate
Frontend Testing



Continuous Deployment: PM2

- PM2 reduced deployment time to prod to 10 minutes
- Deploy with different modes: production, development, test-mode
- More “agile” process

```

status      online
name        ENTREE
version     N/A
restarts    0
uptime     23h
script path /home/dvalentin/.npm-global/bin/npm
script args run start:test
error log path /home/dvalentin/.pm2/logs/ENTREE-error.log
out log path  /home/dvalentin/.pm2/logs/ENTREE-out.log
pid path     /home/dvalentin/.pm2/pids/ENTREE-0.pid
interpreter  node
interpreter args N/A
script id    0
exec cwd    /home/dvalentin/apps/Entree
exec mode   fork_mode
node.js version 10.15.0
node env    N/A
watch & reload x
unstable restarts 0
created at  2019-04-08T20:57:01.604Z

```

Actions available

```

km:heapdump
km:cpu:profiling:start
km:cpu:profiling:stop
km:heap:sampling:start
km:heap:sampling:stop

```

Trigger via: `pm2 trigger ENTREE <action_name>`

Code metrics value

```

Active requests 0
Active handles  4
Event Loop Latency 2.37
Event Loop Latency p95 4.02

```



Process list

[0]	ENTREE	Mem:
-------	--------	------

Global Logs

Custom metrics

Active requests	
Active handles	
Event Loop Latency	
Event Loop Latency	

Metadata

Revision	N/A
Branch	N/A
Remote url	N/A
Last update	N/A

App name	id	version	mode	pid	status	restart	uptime	cpu	mem	user	watching
ENTREE	0	N/A	Fork	23412	online	0	23h	0.2%	45.0 MB	dvalentin	disabled



Bug Fixes and Refactoring!

- Pushing and Backing Order Cards doesn't request all new orders API
- Checkout flow now mobile friendly
- Refactor menu item cards
- Fixed rendering bugs for certain menu item cards
- Restaurant Lock mechanism is functioning
- Edited and proofread site
- Password reset email verification, verification email

BLAH

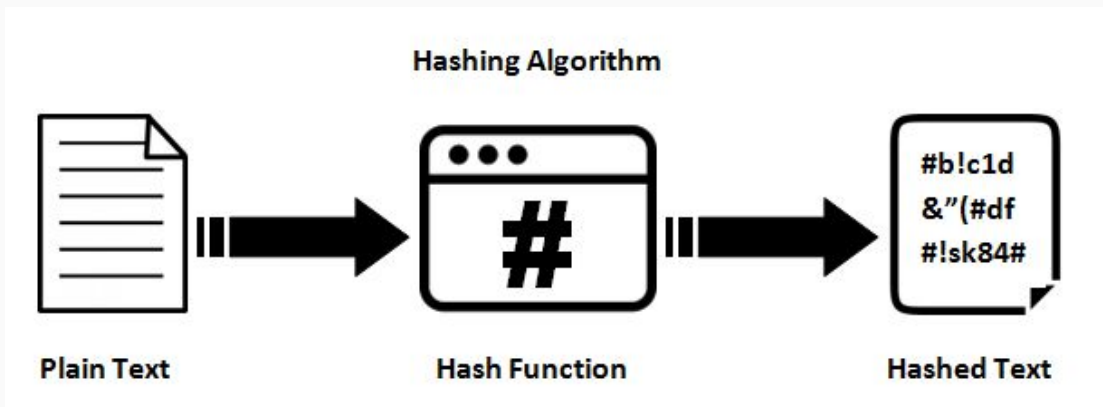
BLAH

BLAH



Security

- All passwords are hashed and encrypted in our database
- On successful login receive a JWT to make requests to ENTREE-API
- API routes also protected by 'user roles'



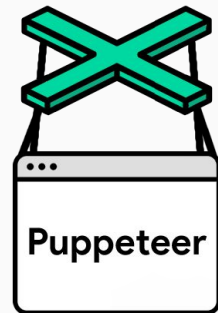
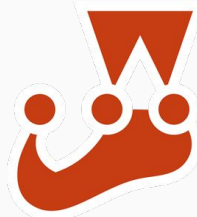


Testing and Continuous Integration

- Set-up automated continuous integration process with Travis ci
- Postman for end to end api testing
- Some Puppeteer / Jest tests now running
 - Need Travis integration



POSTMAN



Add more commits by pushing to the **F8Pk981F_TravisCI-Ferguson** branch on **david-valentin/Entree**.



Some checks were not successful

[Hide all checks](#)

1 failing and 4 successful checks



security/snyk - package.json (david-valentin) — 8 new vulnerable dependen...

[Details](#)



continuous-integration/travis-ci/pr — The Travis CI build passed

[Details](#)



continuous-integration/travis-ci/push — The Travis CI build passed

[Details](#)



security/snyk - backend/package.json (david-valentin) — No new issues

[Details](#)



security/snyk - client/package.json (david-valentin) — No new issues

[Details](#)



This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request

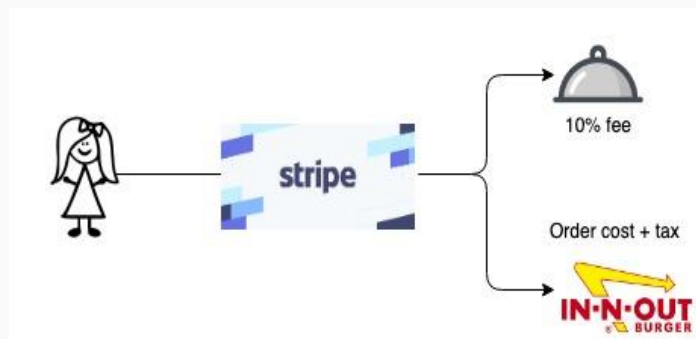


You can also [open this in GitHub Desktop](#) or view [command line instructions](#).



Split Payment Processing and Restaurant Signup

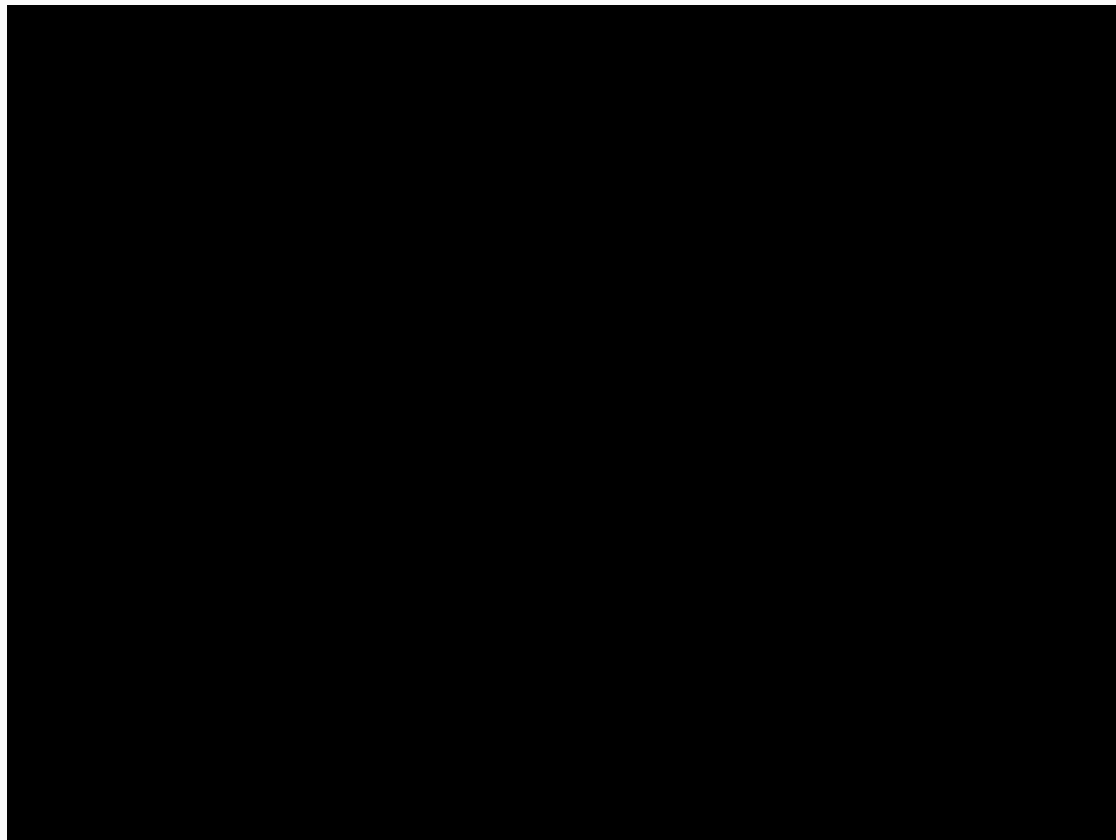
- Automated payment splitting and routing through stripe
- Enabled restaurants to sign up for stripe through an Entree endpoint



The screenshot shows the Entree Stripe account setup form. The form is titled "Entree" and includes the Stripe logo and the text "PAYMENTS POWERED BY STRIPE". A "TEST DATA" button is visible. The form contains the following sections:

- Your details**: This account should be activated by someone authorized to sign on your organization's behalf. If that's not you, please ask the right person to complete this form.
- Legal name**: Fields for "First name" and "Last name".
- Date of birth**: Fields for "MM", "DD", and "YYYY".
- Legal business name**: A text input field with "Company LLC" entered.
- Doing business as**: A text input field with "Optional" next to it.

At the bottom, there is a note: "The operating name of your company, if it's different than the legal name."



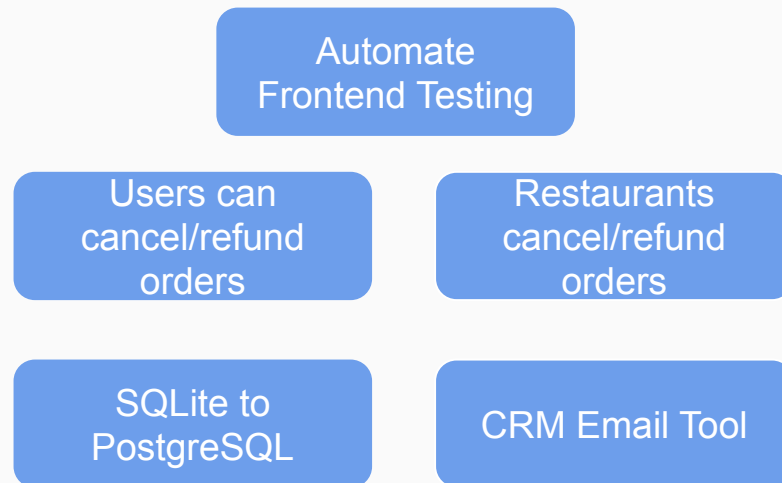


Tasks

- High Priority Tasks vs Medium Priority Tasks
- Comprehensive end-to-end testing
- Incorporate frontend tests with Travis CI
- Users can cancel/refund orders
 - User profile
- Restaurants can cancel/refund orders
- CRM Email Tool
- SQLite to PostgreSQL
 - Too much work



Task Priority



Sources:

- <https://techcrunch.com/2012/04/27/study-95-of-independent-restaurant-dont-have-mobile-sites-less-than-40-have-online-menus/>



Questions?

