



# **Sous-Chef : Free software for the meals-on-wheels communities**

*Introduction to the contribution workshop*

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François Lamontagne

2017-08-05

# Agenda

1. The Sous-Chef project
  - Overview
  - Requirements
  - Solution
  - Application Architecture
  - Best practices
2. Demo of the application
3. Future evolution
4. Contributing to Sous-Chef
5. Questions

# Who we are

- Emmanuel Milou
  - Web Development Manager at Savoir Faire Linux until 2017-07
- François Lamontagne
  - Day job : Information Systems Manager at Hydro-Quebec in Montreal
  - Night job : Volunteer contributor to Sous-Chef
- Savoir Faire Linux
  - FOSS consulting firm based in Canada and in France



# Overview

- What is Sous-Chef ?

An application for Meals-on-Wheels service management, licensed under the  
“Affero General Public License 3”
- What is a Meals on Wheels (“MoW”) ?

*An organization and service that delivers meals to individuals at home, often elderly, who are unable to purchase or prepare their own meals.*
- In the USA alone, 800,000 seniors receive 135,000,000 meals at home yearly, prepared and delivered by 2,000,000,000 volunteers in 5,000 MoW organizations.



# Overview (continued)

- The Client : Santropol Roulant (“Roulant”)
  - MoW founded in Montreal in 1995
  - The customers are elderly people, who often live alone
  - The volunteers include young people who deliver on a bicycle spend time chatting with the seniors, which is as important as the meal itself
  - 100 meals per day
  - 30 staff members, 30 volunteers
  - Customer care is advanced, processes are mature
- Origin of the Sous-Chef development project
  - The existing Web application developed in-house is obsolete and unreliable
  - Commercial MoW management software is expensive
  - No FOSS found for MoW management that meets the needs of Roulant

# Requirements

- Business requirements
  - Save time for customer information management and the daily meal compilation process
  - During a major electric power outage last year, the manual process took 6 persons X 5 hours.
  - Better serve the customers, have more time for them
  - The application will be used by the office staff and by the meal packaging volunteers; eventually the delivery volunteers should have a connected mobile app



# Requirements (continued)

- Stakeholders requirements
  - User friendly
  - Exact billing information
  - Better manage food restrictions
  - Visual delivery route maps
- Non functional requirements
  - Reliability
  - Modularity
  - Easy to maintain and expand



helena vallès  
photography

# Solution

- The Client (Roulant) approached Savoir Faire Linux (SFL) whose FOSS values match the community values of Roulant
- Strategy
  - SFL recommended to rewrite the application in Python
  - Combine professionals, students and volunteers
  - Ensure future maintenance and evolution thanks to the community
- The team
  - SFL experts
  - Maison du logiciel libre (Montreal partnership between Universities and Industry to promote projects where students gain experience in FOSS development)
  - Local Python UG, Pyladies, Django UG
  - Volunteers from the local Python community

# Solution (continued)

- The goal
  - A state of the art modern application
  - web based initially
  - eventually other platforms : mobile
  - Keep it at the forefront such that we can experiment with new tools and learn in doing so
- Work done so far
  - Scope and size : 33 Contributors, 1291 Commits, 330 Issues closed, 24 Issues open
- The schedule
  - January 2016 until now
  - Production planned for September 2017

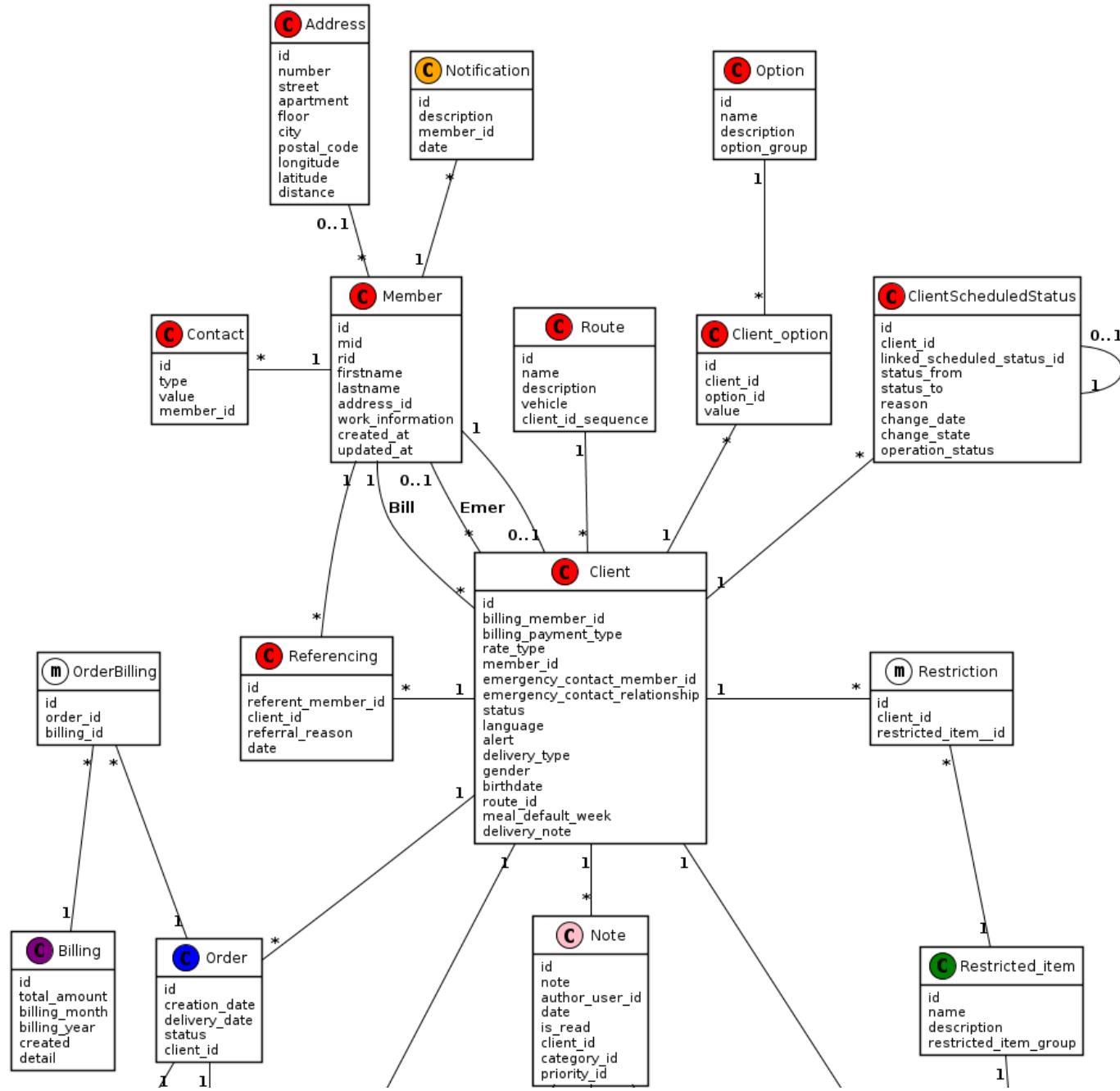


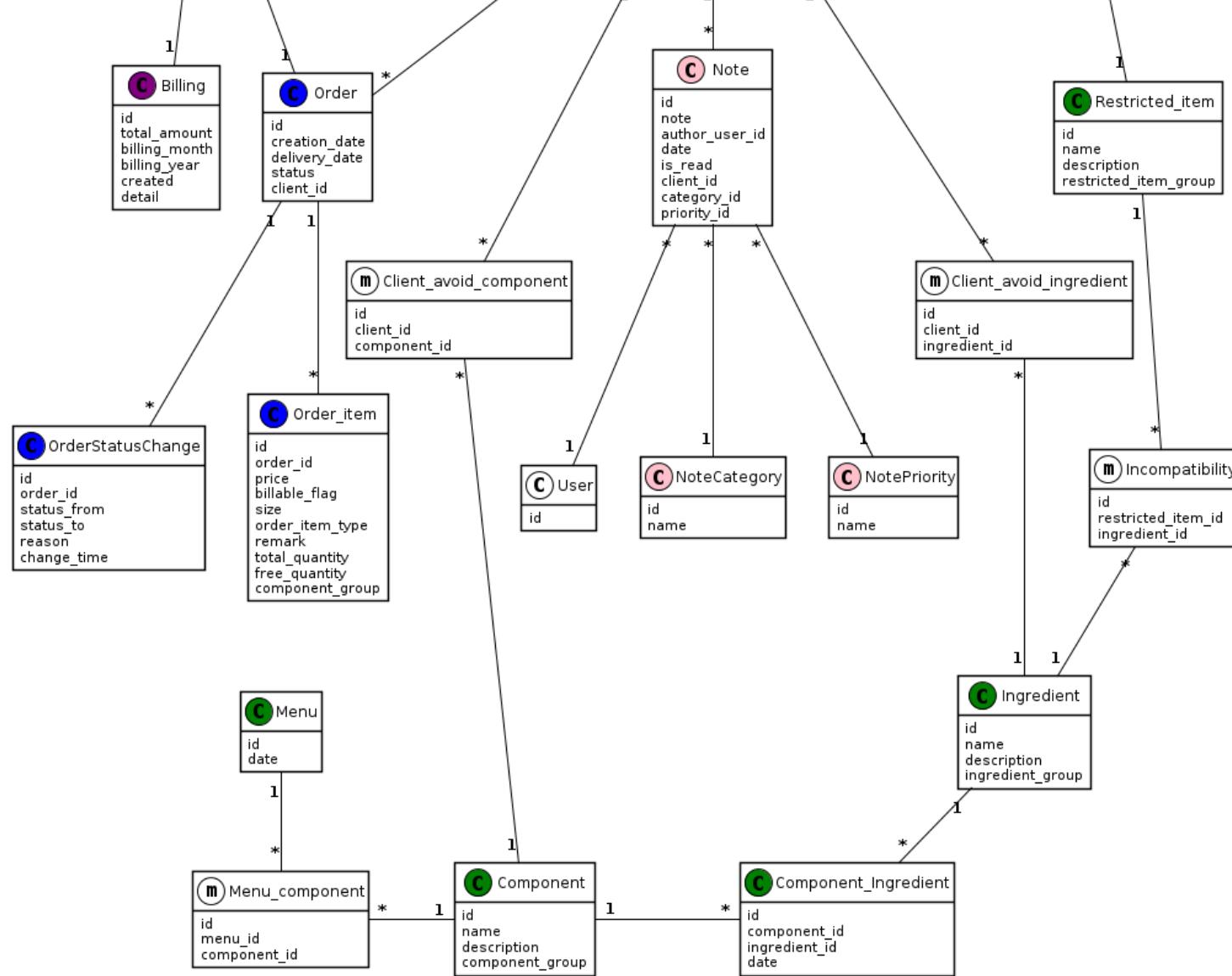
# Application Architecture

- Backend
  - **Django**, the most popular Python Web Framework
  - **MariaDB** database
  - **nginx** webserver
- Key Python Packages
  - django-leaflet (for interactive maps)
  - factory-boy (to generate test data)
  - transifex (for multi lingual application)
- Frontend
  - **Semantic UI** front-end development framework
  - JQuery
  - Leaflet-js (for interactive maps)
  - Gulp (for js, css and images packaging)

# Application Architecture (continued)

- Composition of modular (django) apps
  - **Member** : Client information, Address Geolocalization, Route sequence management and maps, Client status management
  - **Note** : Post and share notes and follow ups regarding clients
  - **Meal** : Meal composition, Meal schedule, Food restrictions
  - **Order** : Order details, Daily order compilation,
  - **Delivery** : Daily Kitchen special meal information, Meal labels, Delivery route lists and maps
  - **Billing** : Generate monthly billing from orders





#### LEGEND

App : Meal=green Member=red Order=blue Notification=orange Billing=purple Note=pink

(C) : ORM class + DB table

(m) : Many-to-many DB table

# Best practices

- Docker
  - Deploy in multiple environments : Dev, Test, Prod
- Testing
  - Over 300 unit tests
  - Coverage at 95 %
  - Coveralls to track coverage
- Codeclimate style checker
  - pep8 for Python
  - eslint for js
- Continuous integration with TravisCI
  - runs all tests and checks
- Internationalized strings
  - transifex for translators

# Demo

# Home page

Homepage - Mozilla Firefox

Homepage

Sc Homepage

https://sous-chef-test.santropolroulant.org

Search

Sous-chef

(root)

Clients 1552

Search client... Q

Orders 28498

Staff Notes 111

Routes 7

Kitchen Count

Billing \$

Admin

Logout

STAGING v1.0-beta

3 August 2017

Clients

129 ACTIVE CLIENTS

! 1 clients are pending.

Delivered this month

0 ORDERS

1289 orders delivered this year.

Happy Birthday

Client	Age	Date
John V-278	79	August 3
Nancy W-1519	66	August 3
Robert S-1024	77	August 5

9 birthdays.

Route Size Monitoring ?

	Mon	Tue	Wed	Fri	Sat
CDN	22 (+5)	19 (+5)	27 (+5)	21 (+6)	13 (+7)
Centre Sud	16 (+4)	16 (+4)	17 (+5)	18 (+4)	13 (+6)
Downtown	15 (+1)	9 (+1)	11 (+1)	12 (+1)	7 (+1)
McGill	12 (+4)	10 (+4)	14 (+4)	10 (+4)	13 (+4)
Mile-End	13 (+3)	10 (+3)	14 (+3)	9 (+3)	11 (+3)

Menu Caja (5) [git] [Homepage ...] [System Mo... [Linux Pock... [dc01a\_test....] 27 °C Thu 3 Aug, 20:27

# Client cards

Sous-chef - Mozilla Firefox

Clients

https://sous-chef-test.santropolroulant.org/member/list/?status=A

**Clients**

New client

OR

Name:  Route:  Delivery:

Status: Active

Reset Search

**Michel C-4232**  
76 years old  
Michel is an Ongoing client on the CDN route.  
This client is currently Active.  
111-222-3456

**Lucien G-4230**  
80 years old  
Lucien is an Ongoing client on the Mile-End route.  
This client is currently Active.  
111-222-3333 ext. 444

**Miriam T-4227**  
77 years old  
Miriam is an Ongoing client on the NDG route.  
This client is currently Active.

**Andronika P-4224**

**Marie-Josée G-4222**

**Nancy D-4217**

STAGING v1.0-beta

Menu Caja (5) [git] [Homepage ...] [System Mo... [Linux Pocke... [dc01a\_test... Clients - Mo... 27 °C Thu 3 Aug, 20:28

The screenshot shows a web browser window for the 'Clients' page of the 'Sous-chef' application. On the left, there's a sidebar with various links like 'Clients' (1552), 'Orders' (28498), 'Staff Notes' (111), and 'Logout'. The main area has a heading 'Clients' with a 'New client' button. Below it, there are fields for 'Name', 'Route', and 'Delivery'. A status dropdown is set to 'Active'. There are 'Reset' and 'Search' buttons. The main content area displays several client cards in boxes. Each card contains a name, age, status, route, and a phone number. The first card for 'Michel C-4232' also shows a small error icon next to the phone number. The bottom of the screen shows a Linux desktop taskbar with various icons and system status.

# Client list

Sous-chef - Mozilla Firefox Sc Clients + https://sous-chef-test.santropolroulant.org/member/list/?status=A&display=list Search ☰

## Clients

[New client](#) OR

Name  Route  Delivery

Status [Active](#)

Name ?	Status ?	Delivery type ?	Route ?	Geolocalized ?	Last update ?
<a href="#">Michel C-4232</a> 76 years old	Active	Ongoing	CDN	Yes	2017/07/30 16:04:07
<a href="#">Lucien G-4230</a> 80 years old	Active	Ongoing	Mile-End	Yes	2017/03/04 09:09:03
<a href="#">Miriam T-4227</a> 77 years old	Active	Ongoing	NDG	Yes	2017/02/25 16:04:02
<a href="#">Andronika P-4224</a> 70 years old	Active	Ongoing	NDG	Yes	2017/02/25 16:04:02

STAGING v1.0-beta Logout Admin Billing Kitchen Count Clients 1552 Orders 28498 Staff Notes 111 Routes 7

Menu Caja (5) [git] [Homepage ...] [System Mo... Linux Pocke... dc01a\_test... Clients - Mo... 27 °C Thu 3 Aug, 20:29

# Client detail - 1

Louise F-417 - Information - Mozilla Firefox

Louise F-417 - Information

https://sous-chef-test.santropolroulant.org/member/view/417/information

**Louise F-417**  
Client since 23 October 2016

Active

**Delivery type**: Ongoing | **Address**: [REDACTED] | **Home**: 111-222-3333 ext. 444 | **Language**: French | **Birthday**: 26 September 1937  
79 years old

**Important notice**  
Easily confused

**Information**

<b>Personal</b>	
Billing	
Status	
<b>Preferences</b>	
<b>Notes</b>	0
<b>Orders</b>	166

**Basic information**  
Contact information of the client.

**Edit**

**First Name**: Louise  
**Last Name**: F-417  
**Gender**: Female  
**Language**: French  
**Delivery Type**: Ongoing  
**Birthday**: 26 September 1937  
**Home phone**: 111-222-3333 ext. 444  
**Address**: [REDACTED]

STAGING v1.0-beta

Menu Caja (5) [git] [Homepage ...] [System Mo...]. [Linux Pock...]. [dc01a\_test...]. Louise F-41... 27 °C Thu 3 Aug, 20:32

# Client detail - 2

Louise F-417 - Information - Mozilla Firefox

Sc Louise F-417 - Information

https://sous-chef-test.santropolroulant.org/member/view/417/information

Search

Sous-chef

(root)

Clients 1552

Search client... Q

Orders 28498

Staff Notes 111

Routes 7

Kitchen Count

Billing \$

Admin

Logout

STAGING v1.0-beta

**Client relationships**

Information of the people that are related to the client.

**First Name**  
Amy

**Last Name**  
A-4146

**Nature of Relationship**  
???(migration 0032)

**Type of Relationship**  
Referent

**Work phone**  
111-222-3333 ext. 444

**Work Information**  
CLSC Metro

**Referral Date**  
2017-01-24

**Referral Reason**  
This is a dummy reason

**Remark**  
N/A

**First Name**  
Marie Josee

**Last Name**  
P-4147

**Nature of Relationship**  
daughter

**Type of Relationship**  
Emergency

**Home phone**  
111-222-3333 ext. 444

27 °C Thu 3 Aug, 20:33

# Client detail - 3

Louise F-417 - Food preferences - Mozilla Firefox

Louise F-417 - Food prefer... https://sous-chef-test.santropolroulant.org/member/view/417/preferences

Louise F-417 - Food preferences - Mozilla Firefox

Sous-chef

(root)

Clients 1552

Search client...

Orders 28498

Staff Notes 111

Routes 7

Kitchen Count

Billing \$

Admin

Logout

STAGING v1.0-beta

Information

Personal

Billing

Status

Preferences

Notes 0

Orders 166

Meal information

Meal information of the referent person.

Edit

Meal status

Active

Delivery type

Ongoing Monday Tuesday Wednesday Friday Saturday

Meal defaults

	Mon 🍜	Tue 🍜	Wed 🍜	Thu	Fri 🍜	Sat 🍜	Sun
Main Dish	1R	1R	1R	0	1R	1R	0
Dessert	0	0	0	0	0	0	0
Diabetic Dessert	0	0	0	0	0	0	0
Fruit Salad	1	1	1	0	1	1	0
Green Salad	0	0	0	0	0	0	0
Pudding	0	0	0	0	0	0	0

Menu Caja (5) [git] [Homepage ...] [System Mo... [Linux Pocke... [dc01a\_test.... Louise F-41... 27 °C Thu 3 Aug, 20:34

# Client detail - 4

Louise F-417 - Food preferences - Mozilla Firefox

Louise F-417 - Food prefer... [+](#)

[Louise F-417](#) | <https://sous-chef-test.santropolroulant.org/member/view/417/preferences> | [Search](#)

Sous-chef (root)

Clients 1552

Search client...

Orders 28498

Staff Notes 111

Routes 7

Kitchen Count

Billing \$

Admin

Logout

STAGING v1.0-beta

	Mon 🍜	Tue 🍜	Wed 🍜	Thu	Fri 🍜	Sat 🍜	Sun
Main Dish	1R	1R	1R	0	1R	1R	0
Dessert	0	0	0	0	0	0	0
Diabetic Dessert	0	0	0	0	0	0	0
Fruit Salad	1	1	1	0	1	1	0
Green Salad	0	0	0	0	0	0	0
Pudding	0	0	0	0	0	0	0
Compote	0	0	0	0	0	0	0

**Restrictions**

Fish  Seafood

**Food preparation**

*Nope! Nothing specific.*

**Ingredients to avoid**

*Yeah! Likes everything!*

Menu Caja (5) [git] [Homepage ...] [System Mo...] [Linux Pocke...] [dc01a\_test...] Louise F-41... 25 °C Thu 3 Aug, 20:34

# Client notes

Louise F-417 - Information - Mozilla Firefox

Sc Louise F-417 - Information

https://sous-chef-test.santropolroulant.org/member/view/417/notes

The note has been created.

**Louise F-417**  
Client since 23 October 2016

Active

Delivery type: Ongoing | Address: 2055 P... | Home: 111-222-3333 ext. 444 | Language: French | 26 September 1937 (79 years old)

Important notice  
Easily confused

Information  
Personal | Billing | Status  
Preferences  
Notes (1)  
Orders (166)

Staff Notes  
Notes added to Louise F-417's file.

Priority | Is read

Reset | Search | + New Note

Follow-up needed  
Aug. 3, 2017, 8:35 p.m.  
Please bring her flowers for her birthday on August 12th  
Created by root

Mark as read | Mark all as read

STAGING v1.0-beta

Menu Caja (5) [git] [Homepage ...] [System Mo...] [Linux Pocke...] [dc01a\_test...] Louise F-41... 25 °C Thu 3 Aug, 20:35

# Client orders

Louise F-417 - Orders list - Mozilla Firefox

Louise F-417 - Orders list

https://sous-chef-test.santropolroulant.org/member/view/417/orders

**Louise F-417**  
Client since 23 October 2016

Active

Delivery type: Ongoing | Address: 2055 Rue St-Michel | Home: 111-222-3333 ext. 444 | Language: French | 26 September 1937  
79 years old

**Important notice**  
Easily confused

Clients: 1552 | Search client... | Orders: 28498 | Staff Notes: 112 | Routes: 7 | Kitchen Count: 4 | Billing: \$ | Admin: | Logout: | STAGING v1.0-beta

Information: Personal, Billing, Status | Preferences | Notes: 1 | Orders: 166

**Orders**  
List of all orders from Louise F-417.

Order #	Delivery Date	Status	Amount	Actions
# 28625	Monday, July 31st 2017	Ordered	\$ 5.50	
# 28559	Saturday, July 29th 2017	Ordered	\$ 5.50	
# 28485	Monday, July 3rd 2017	Ordered	\$ 5.50	
# 28410	Friday, June 30th 2017	Ordered	\$ 5.50	
# 28338	Wednesday, June 28th 2017	Ordered	\$ 5.50	

Menu Caja (5) [git] [Homepage ...] [System Mo... [Linux Pocke... [dc01a\_test... Louise F-41... 25 °C Thu 3 Aug, 20:36

# All notes

Sous-chef - Mozilla Firefox Sc Staff Notes +

https://sous-chef-test.santropolroulant.org/note/?display=

Staff Notes

**Sous-chef**

(root)

Clients 1552

Search client... Q

Orders 28498

Staff Notes 112

Routes 7

Kitchen Count

Billing \$

Admin

Logout

STAGING v1.0-beta

**Staff Notes**

**New note**

**OR**

Name Priority Category

Is read Date

All

Reset Search

Louise F-417  
Follow-up needed  
Please bring her flowers for her birthday on August 12th  
Aug. 3, 2017, 8:35 p.m. created by root

Pierrette Brun  
Follow-up needed  
Please call her urgently about her dog  
July 30, 2017, 5:49 p.m. created by santropol

Pierrette Brun  
None  
Update Pierrette Brun status: from Active to Paused, on 2017-07-30  
July 30, 2017, 3:55 p.m. created by None

Lucien G-4230  
Follow-up  
Again a note

Mark as read

Mark as read

Mark as read

Mark as read

Menu Caja (5) [git] [Homepage ...] [System Mo...] [Linux Pocke...] [dc01a\_test....] Staff Notes -... 25 °C Thu 3 Aug, 20:36

# Delivery routes

Sous-chef

(root)

Clients 1552

Search client... Q

Orders 28498

Staff Notes 112

Routes 7

Kitchen Count

Billing \$

Admin

Logout

STAGING v1.0-beta

Routes - Mozilla Firefox

Sc Routes

https://sous-chef-test.santropolroulant.org/member/routes/

Search

Routes

For creating a new route or deleting an existing route, please go to "Admin" menu.

Name	Description	Default delivery vehicle	Number of clients	Actions
CDN	CDN route.	Driving	36	
Centre Sud	Centre Sud route.	Walking	22	
Downtown	Downtown route.	Walking	15	
McGill	McGill route.	Walking	16	
Mile-End	Mile-end route.	Walking	16	
NDG	Notre Dame de Grace route.	Driving	38	
Westmount	Westmount route.	Walking	20	

Caja (5) [git] [Homepage ...] [System Mo...] [Linux Pocke...] [dc01a\_test....] Routes - Mozilla Firefox 25 °C Thu 3 Aug, 20:37

# Route stops

Sous-chef

(root)

Clients 1552

Search client... Q

Orders 28498

Staff Notes 112

Routes 7

Kitchen Count

Billing \$

Admin

Logout

STAGING v1.0-beta

View route: McGill - Mozilla Firefox

Sc View route: McGill

https://sous-chef-test.santropolroulant.org/member/route/4/

## View route: McGill

Description

McGill route.

Default delivery vehicle

Walking

Default delivery sequence

#	Name	Status	Delivery type	Address	Status ?
1	Yolaine R-4214	Active	Ongoing	Apt.555, Montreal, H2X 1S6	✓
2	Judith S-853	Active	Ongoing	Apt.555, Montreal, H2X 2N6	✓
3	Yvette A-668	Active	Episodic	Montreal, H2X 1V2	✓
4	Marie D-466	Active	Episodic	rance Apt.555, Montreal, H2X 3P7	✓
5	Robert L-398	Paused	Ongoing	c Apt.555, Montreal, H2X 2H7	✓
6	Norah L-1485	Active	Ongoing	555, Montreal, H2X 2E3	✓
7	Eileen L-1460	Active	Ongoing	555, Montreal, H2X 2E3	✓

File Edit DB 1040 Active Opened 2422 Rue du Chemin de l'Église, Montréal, QC H2X 2C8 [Linux Pocke... [dc01a\_test... View route: ... 25 °C Thu 3 Aug, 20:39

# Route map

View route: McGill - Mozilla Firefox

Sc View route: McGill

View route: McGill

https://sous-chef-test.santropolroulant.org/member/route/4/

Delivery Preview

The map displays a delivery route originating from McGill University. The route is marked with a red line and blue markers numbered 1 through 16. The map includes labels for several landmarks and streets such as Avenue du Parc, Stade Percival Molson, Royal Victoria, Place-des-Arts, Jardin Domtar, Place d'Armes, and Beaudry. A large green area representing Mount Royal is visible on the left. The map also shows various cycling infrastructure like bike lanes and paths. A legend in the top right corner indicates symbols for bus stops, bike paths, and other features.

Sous-chef

(root)

Clients 1552

Search client... Q

Orders 28498

Staff Notes 112

Routes 7

Kitchen Count

Billing \$

Admin

Logout

STAGING v1.0-beta

Menu Caja (5) [git] [Homepage ...] [System Mo... [Linux Pocke... [dc01a\_test... View route: ...] 25 °C Thu 3 Aug, 20:39

# Stop detail

Sous-chef (root)

Clients 1552

Search client... Q

Orders 28498

Staff Notes 112

Routes 7

Kitchen Count

Billing \$

Admin

Logout

STAGING v1.0-beta

View route: McGill - Mozilla Firefox

View route: McGill

https://sous-chef-test.santropolroulant.org/member/route/4/

Delivery Preview

Yolaine R-4214 (#1)  
Apt.555, Montreal, H2X 1S6

Judith S-853 (#2)  
Apt.555, Montreal, H2X 2N6

Map details: The map shows a dense urban area with streets like Rue Clark, Rue Sewell, Rue Basset, Rue Sainte-Famille, Rue Prince-Arthur Ouest, Rue Milton, and Rue Sainte. Landmarks include the Hôtel-Dieu (CHUM), Maison Générale des Religieuses Hospitalières de Saint-Joseph, and Tim Hortons. A red line traces the delivery route, and blue pins mark specific stops along the way.

50 m Pins

View route: ...

25 °C Thu 3 Aug, 20:40

# Meal ingredients

Sous-chef - Mozilla Firefox Sc Pick Ingredients https://sous-chef-test.santropolroulant.org/delivery/meal/1584/

**Sous-chef** (root)

Clients 1552 Search client... Orders 28498 Staff Notes 112 Routes 7 Kitchen Count Billing Admin Logout STAGING v1.0-beta Caja (5) [git] [Homepage ...] [System Mo...] [Linux Pocke...] dc01a\_test... Pick Ingredi... 25 °C Thu 3 Aug, 20:43

**Pick Ingredients** 3 August 2017

**Review Orders** **Ingredients** **Kitchen Count** **Routes**

**Main dish**  
Selecting a main dish in the list will load an editable list of ingredients.

**Restore recipe**  
The *Restore recipe* action resets the ingredients list to the default one.

**Today's main dish:** Beef bourguignon

**Select main dish ingredients:**

Bay leaves x Beef cubes x Carrots x Garlic x Mushrooms x  
Onions x Parsley x Red wine x Thyme x Tomatoes x  
White flour x

**Select sides ingredients:**

Broccoli x Potatoes x

**Confirm all ingredients** **Next: Print Kitchen Count**

# Meal restrictions for kitchen



## Kitchen count report

Fri., 16 June 2017

Page 1

TOTAL	Menu		Ingredients
	Regular	Large	

Main Dish	8	4	Ginger pork	Carrots, corn starch, Garlic, Ginger, Ground porc, Onions, Rice noodles, rice wine vinegar, Sesame oil, sesame seeds, Soy sauce (gluten, salt), zucchini
Compote	5	0		
Dessert	2	0		
Green Salad	4	0		
Pudding	1	0		

Clashing ingredients	Regular	Large	Client	Other restrictions
<b>Ground porc</b>	<b>0</b>	<b>2</b>		
		2	D, Jo.	<b>pork, seafood</b>
<b>Ground porc, Onions</b>	<b>1</b>	<b>1</b>		
		1	T, Pa.	Ham
		1	B, Ro.	
<b>zucchini</b>	<b>1</b>	<b>0</b>		
	1		T, Ke.	<b>green veggies</b>
<b>TOTAL SPECIALS</b>	<b>2</b>	<b>3</b>		

# Individual Meal labels

**B, Ro.**

CENTRE SUD

Fri, Jun-16

Restrictions : Ground porc , Onions

**D, Jo.**

MILE-END

Fri, Jun-16

LARGE

Restrictions : Ground porc

Other restrictions : pork , seafood

**D, Jo.**

MILE-END

Fri, Jun-16

LARGE

Restrictions : Ground porc

Other restrictions : pork , seafood

**T, Ke.**

MILE-END

Fri, Jun-16

Restrictions : zucchini

Preparation : **Cut up meat**

Sides clashes : green veggies

**T, Pa.**

MILE-END

Fri, Jun-16

LARGE

Restrictions : Ground porc , Onions

Other restrictions : Ham

**M, Al.**

PETITE PATRIE

Fri, Jun-16

**Ginger pork**

Preparation : Puree all

Sides clashes : Brussel sprouts

Other restrictions : nuts

**D, Lo.**

MILE-END

Fri, Jun-16

**Ginger pork**

Preparation : **Cut up meat**

Ingredients : Carrots, corn starch, Garlic, Ginger, Ground porc, Onions, Rice noodles, rice wine vinegar, Sesame oil, sesame seeds, Soy sauce (gluten, salt), zucchini

**D, Lo.**

MILE-END

Fri, Jun-16

**Ginger pork**

Preparation : **Cut up meat**

Ingredients : Carrots, corn starch, Garlic, Ginger, Ground porc, Onions, Rice noodles, rice wine vinegar, Sesame oil, sesame seeds, Soy sauce (gluten, salt), zucchini

**M, Pe.**

CENTRE SUD

Fri, Jun-16

**Ginger pork**

Ingredients : Carrots, corn starch, Garlic, Ginger, Ground porc, Onions, Rice noodles, rice wine vinegar, Sesame oil, sesame seeds, Soy sauce (gluten, salt), zucchini

**B, Bo.**

MILE-END

Fri, Jun-16

LARGE

**Ginger pork**

Ingredients : Carrots, corn starch, Garlic, Ginger, Ground porc, Onions, Rice noodles, rice wine vinegar, Sesame oil, sesame seeds, Soy sauce (gluten, salt), zucchini

# Delivery Route Sheet



**Santropol Roulant**  
Tel. : (514) 284-9335  
Tue., 25 July 2017

(Ce document contient des informations CONFIDENTIELLES.) Page 1  
(This document contains CONFIDENTIAL information.)

PLAT / DISH	Qté / Qty
Main Dish	6
Dessert	6

## Mile-End

- DÉBUT DE LA ROUTE / START ROUTE -

Client	Note	Items	
<b>Haralambos N</b>  Apt 555 111-222-3333 ext. 444	au sud de Laurier SONNEZ UNE FOIS SEULEMENT, SI LE CLIENT NE RÉPOND PAS, Veuillez LAISSER LE REPAS SUR SA PORTE RING ONCE ONLY AND IF CLIENT DOES NOT ANSWER, LEAVE MEAL ON HIS DOOR	Main Dish Dessert	1 1
<b>Diane P</b>  Apt 555 111-222-3333 ext. 444	Cross Fairmount	Main Dish Dessert	1 1
<b>Charles D</b>  Apt 555 111-222-3333 ext. 444	KEY IN POCHE / CLÉ DANS LA POCHE. South corner of St Joseph. SVP utiliser la clé pour entrer. Please use key to enter building. If client not home, leave meal on door. Client is hard of hearing and blind. Si le client n'est pas là , laissez le repas sur	Main Dish Dessert	1 1

# Future development

- Improve functionality for the Roulant MoW
  - Should have roadmap this Fall after Sous-Chef has been in production for a few months
  - Example : Add mobile app for delivery volunteers
    - can see clients on map and current position
    - live rerouting by the office
    - live delivery notes
    - capture feedback from customer
- Expansion to other Meals on Wheels
  - Give them demos to obtain requirements and input
  - Post videos online for distant MoWs to see and comment
  - Focus groups workshops
  - Cloud based is an interesting option, because small MoW cannot operate servers by themselves
  - Security of confidential data is important

# Contributing to Sous-Chef : Why ?

- Normally, developers contribute to FOSS tools that they use themselves, but not here ...
- However, their motivation for Sous-Chef can be :
  - Python is currently a very popular language (Top 2017 ranking by IEEE spectrum)
  - Industry wants skilled Python developers
  - Students and many developers need experience with Python
  - Senior Python developers gain by mentoring and industry can allow them time
  - Helping a non-profit is giving back to the community
    - Good publicity and possible tax incentive for industry
    - Visibility for individual developers

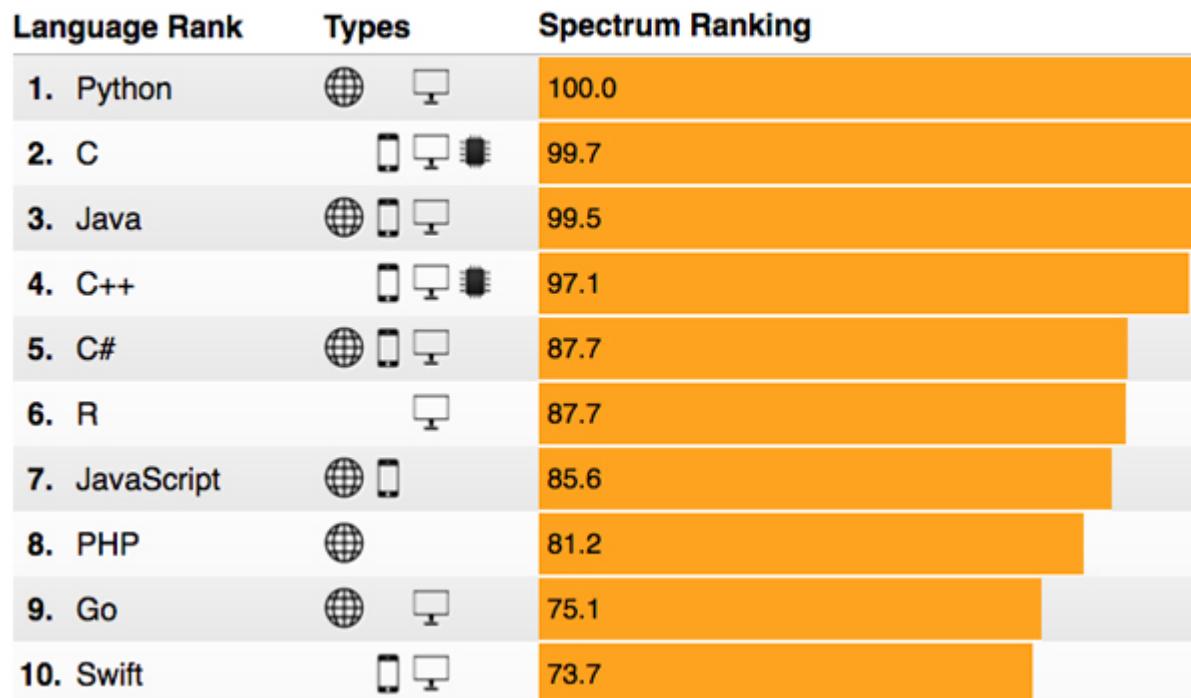
# The 2017 Top Programming Languages

Python jumps to No. 1, and Swift enters the Top Ten

By **STEPHEN CASS** Posted 18 Jul 2017 | 19:00 GMT



So what are the Top Ten Languages for the typical *Spectrum* reader?



# Contributing to Sous-Chef : How ?

- What kind of help we need :
  - If you see a MoW in need in your community, let us know
  - If you know some Python or JavaScript
  - If you already know Django or want to learn it
  - If you want to translate the UI text in a new language so we can touch MoWs in other countries
  - If you want to help write documentation
    - Installation procedures
    - Test procedures
    - User guides

# Contributing to Sous-Chef : Resources

[github.com/savoirfairelinux/sous-chef](https://github.com/savoirfairelinux/sous-chef)

*Repository, Wiki, Contribution guidelines*

[souschef-project.org](http://souschef-project.org)

*Promotional site (in French)*

[santropolroulant.org](http://santropolroulant.org)

*Santropol Roulant Organization site*

[manumilou@mykolab.com](mailto:manumilou@mykolab.com)

[francois.r.lamontagne@gmail.com](mailto:francois.r.lamontagne@gmail.com)

# Questions and Answers

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# Thank you !

