CSC309 A4P2: FastLine Report

High-level view (Sections of the system)

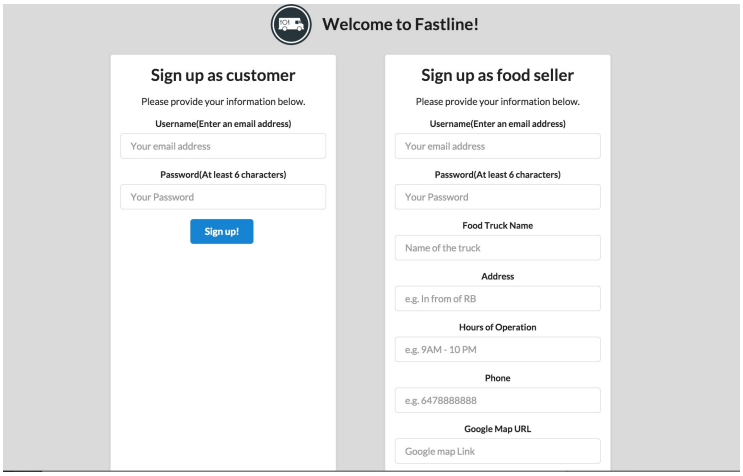
The app can be broken down into three section, the customer section, the seller section, and also the admin section.
*The customer can order food from sellers, and modify/view their own information.
*The seller can receive order from customers, and modify/view their own information.
*The admin can clear the database.

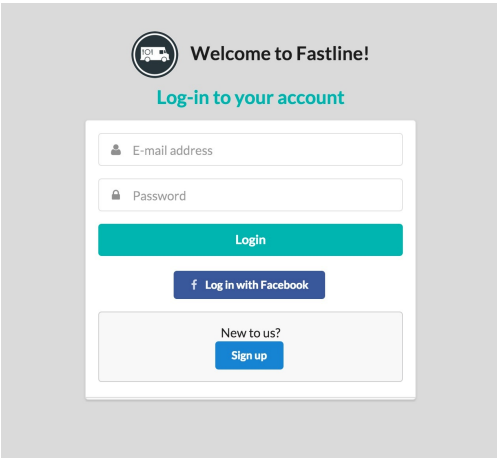
Description and interaction of sections

Let's describe each section, first, we will start describing the customer part.

(Customer)

Log-in:

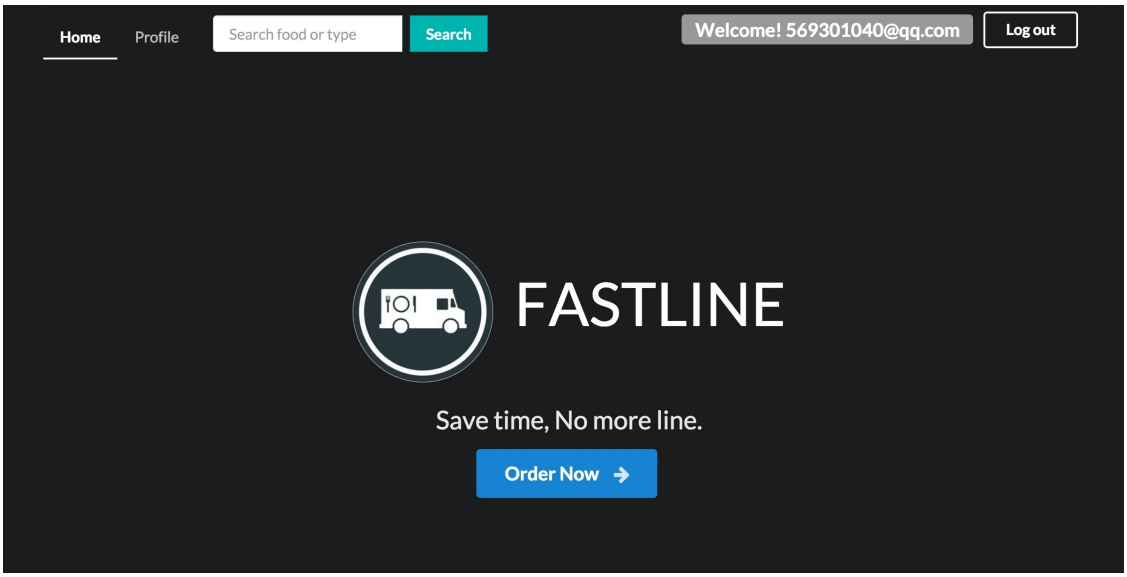




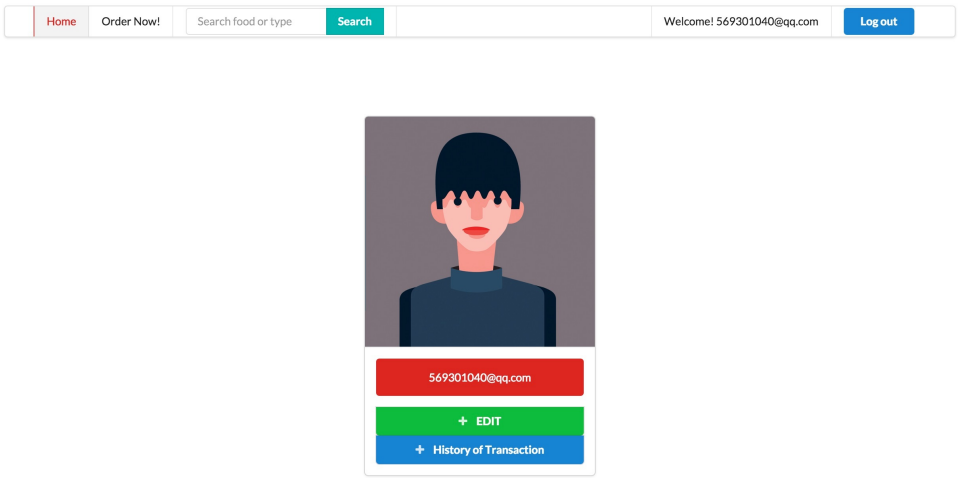
You can log-in with Facebook, or register and then log-in with your newly created account.

HomePage

At home page, you can view your profile, search food/type, and also start ordering food.

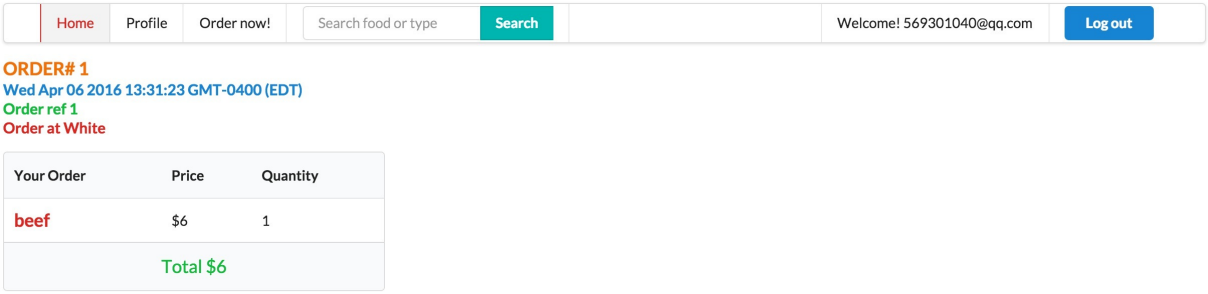


Profile



In your profile, you can edit your password, and also view your history of order.

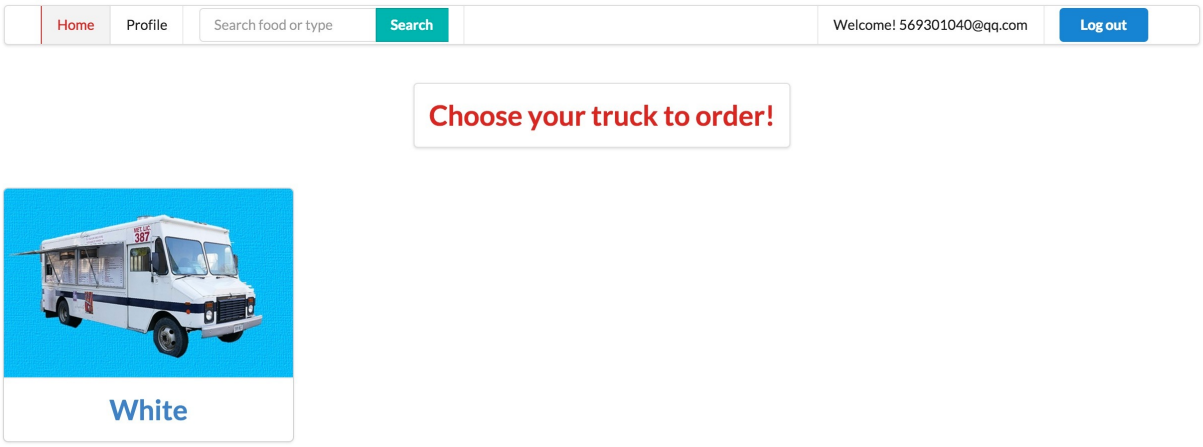
History of order



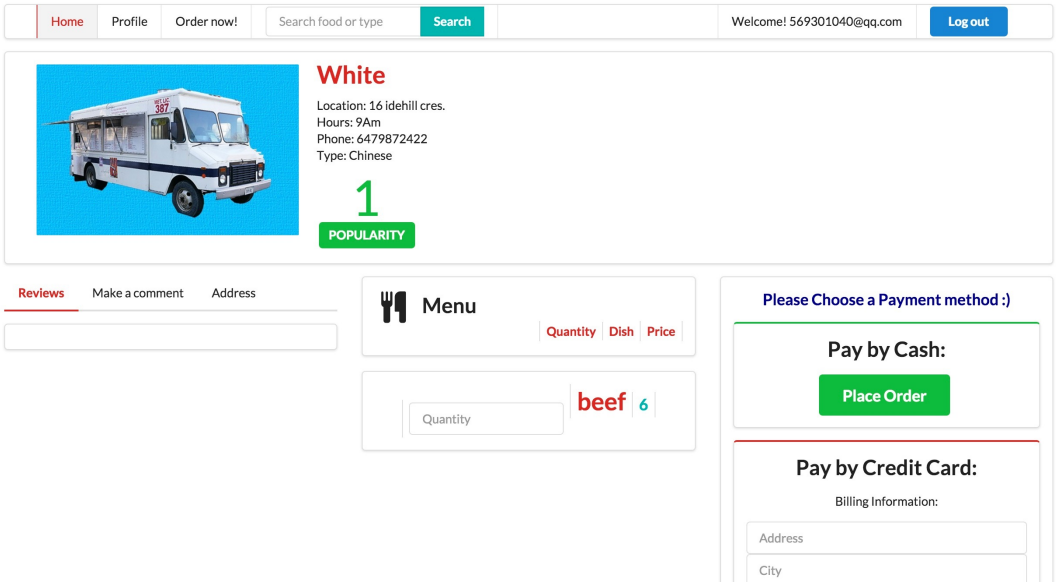
For example, this user ordered once from seller White. The order is showing the date of order, the order number, where he orders, and also the order details.
(This section will show all the orders history a user has. In this case, one order is recorded.)

Ordering Process

1)Choose a truck to oder from order now page.
In our database now, there's only one truck available to order as shown below, you can add more truck by registering more seller later on.



2) After you choose this truck, you can view the menu and start ordering food.

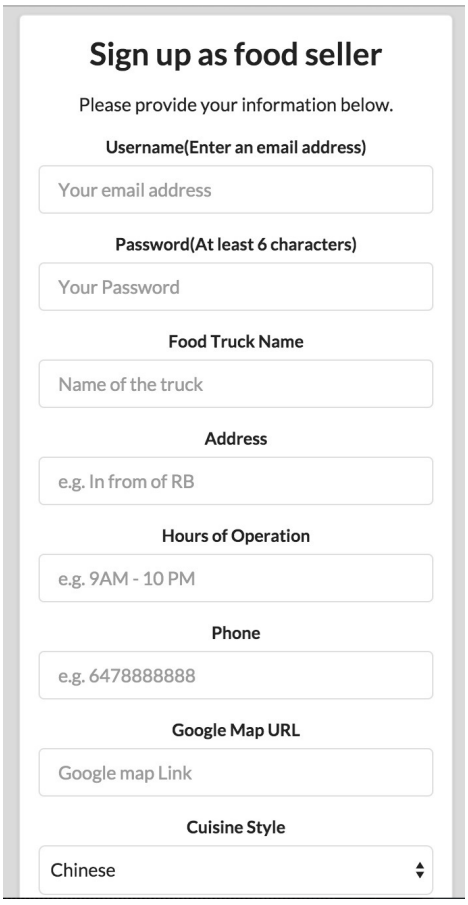


In this truck, the menu only has one item, you can add more menu item as a seller.
The customer can also make a comment here beside ordering food.

This is the biggest interaction between customer and seller as customer can make comment and order to the seller. The seller can receive comment an orders from customer.

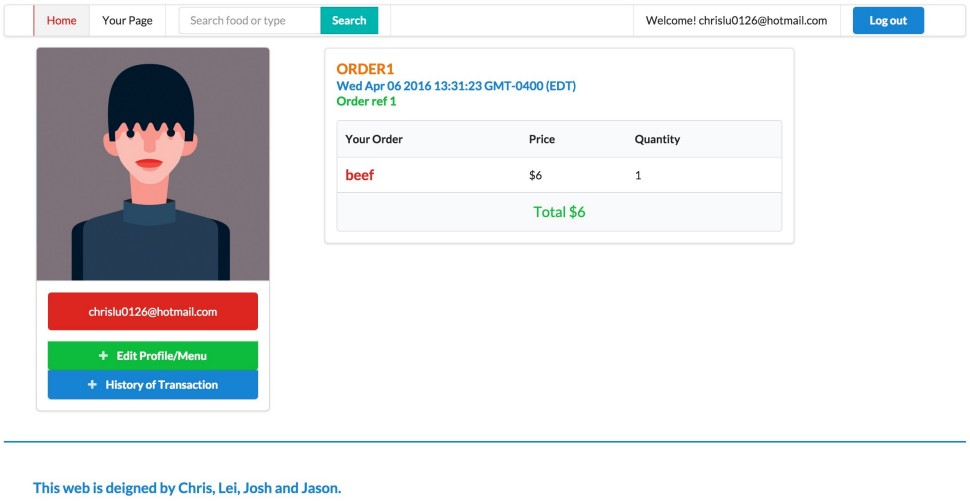
(Seller)

Log-in
Seller can only register their account at register page, the Facebook log-in is not available for seller.



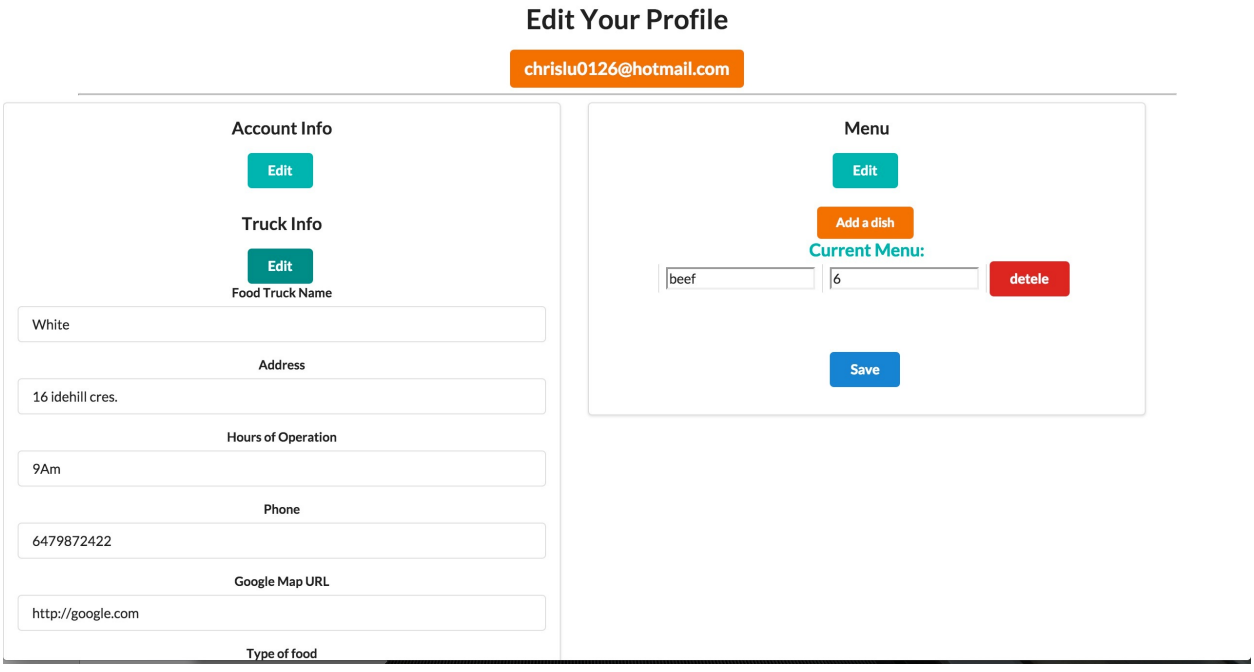
As a seller, you need to provide these information in order to create an account.

Home



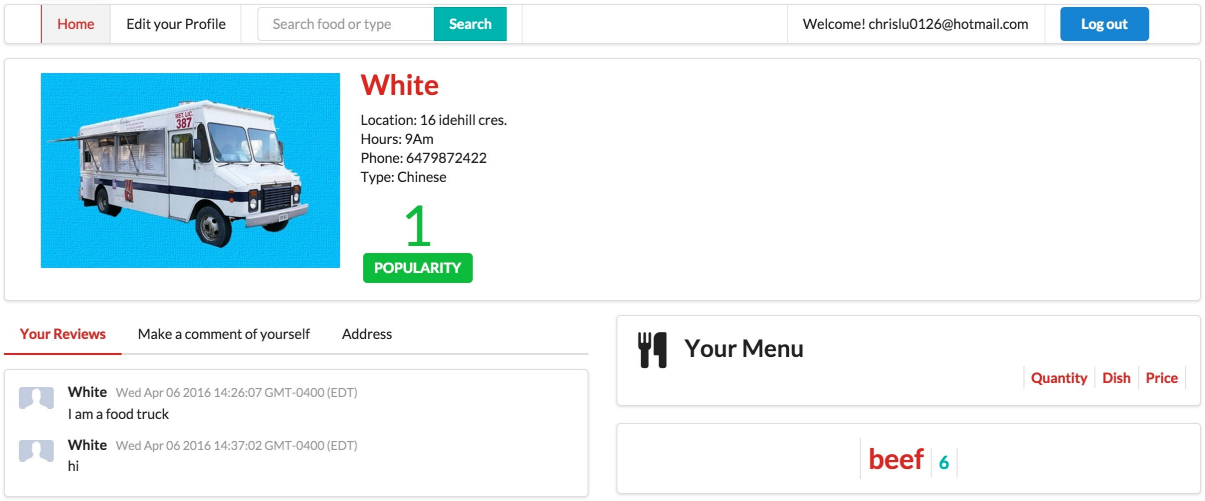
The seller home page is different from customer's.
The seller can view their profile and could direct to edit their page under the name card.
The seller can also view the order directly from the right side of page. The latest order will show up on top. For example, if we have three orders now, the third order will show up on top as it's the latest order.

Edit profile/menu



The seller can edit their information like name, address. And for sure, they can add/ delete the menu item.(food name and price.)

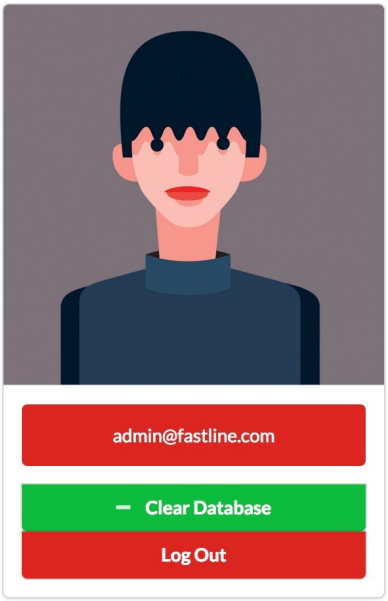
SellerPage



On the seller page, the seller can add a comment to itself and also view the menu and its popularity, which is the total number of order.

(Admin)

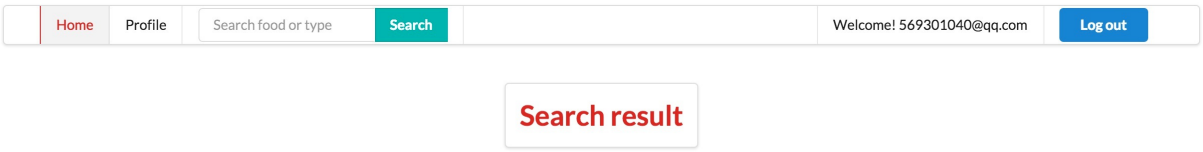
Admin of this app can clear the database. Just log-in with admin@fastline.com and the pwd is adminfastline



Common usage-Search

In the menu bar, we implemented the search function.
Basically, you can search two things. The dish name and the cuisine style.
If you type a dish name, and search, the result will show any food truck that contain the dish ranked by the popularity.

If you type a cuisine style word, e.g. Chinese, Japanese, the result will show any truck matched this style ranked by the popularity as well.



For example, if I just search Chinese in the box, this is the result since White is of cuisine style Chinese.

Security vulnerability

For the security section, we did not have a real security framework to secure the app. However, we pay attention to the user data security. The password of user is saved in the database with the encryption of node module Bcrypt. The password is generated into hash.

Second of all, user log-in is required to continue viewing the page. If a user log out in the middle, by typing the url, he/she will not see the app content before he/she log-in again. The makes sure the protection of app data.

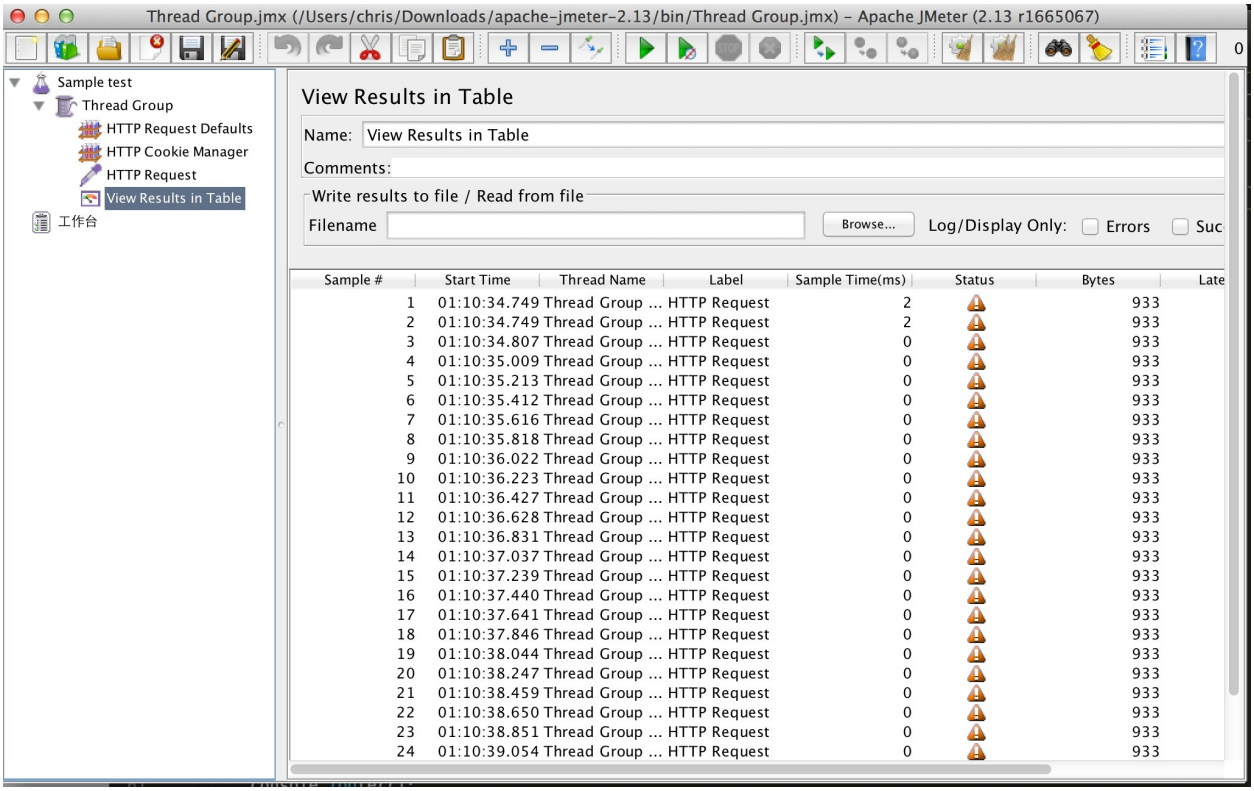
As our app is quite big and we spent a lot of time to implement what we expected before, we are unable to look at the security section a bit more deeper. However, we all know the importance of this section and we will continue building our app after the deadline.

Testing

We have test each function/section one by one. We spent a lot of time testing what we want from the app response. Although we did not use mocha, but we use the node logs, as well as the google chrome check function to debug our app.
For example, we spent a lot of time testing the database queries. Also, the user authentication/modification is a big part to test as well, we need to test whether a user a created properly with fields filled, and also checking if the user's info is updated.

Performance

We did try using Jmeter to test the performance.
However, we didn't spend much time on this as we are familiar with it and we need time to finish the function of our app.



Speaking of the performance of our app, it's quite stable as we did a lot of debug and testing on it.
One thing to mention is that we link the ui semantics file on top of each file, this might cause a slower loading speed than actually putting the css/js file in out repo.

The only concern is we cannot put it up to Heroku as some error happened. We will look into it later.

Demo Link and Git repo

https://www.dropbox.com/s/bsqlf4wvw8wii1q/fastline%20demo.mov?dl=0
https://github.com/imnxllet/FastLine

Function Comparison with Expectation (the phase 1 report)

User authentication:
We implemented this function perfectly. As user is required to log-in using a username and password.

User profiling:
We implemented this function perfectly. As a seller needs to provide details of their truck.

User Interaction
This section is well defined above. Users are interacting with each other.

Social network:
We implemented this. Customers and sellers form a social network within the website. They can socialize with each other using comment conversation. They can also share the food product or the website on other social network.

Rating and commenting:
Customers can leave a comment on the seller's profile regarding their product/service overall quality, their purchase experience, etc. The overall rating will be reflected on the seller's profile. Sellers are allowed to make a response to the comment.

Admin:

All users are allowed to modify their own information on the profile. For example, sellers can add/delete products on the menu, or they can change their address, etc.. Admin can also clear the db.

Map(Geo-location):
We didn't quite achieve this section as we did not use google map API in our app. However, seller can include a google map URL of their address in their profile which allows customers to click and check their position.

Order List
The seller can see the latest order in their homepage. The homepage is set to refresh each 5 second so that the list will keep updating automatically. The latest order is shown on top of the list.

History of transaction
Well implemented.
Users are allowed to view their history of transaction. For example, a customer can look back into when and where they buy the food, as well as viewing the quantity and food items they bought. A seller also has such information, and this really helps them in doing financial management.

Payment
We provided two options to pay. However, the card payment method is just for demonstration purpose, no real transaction is happening. Nevertheless, the customer is required to fulfill all fields in the payment form.

Searching: (names, types of food,)
Well implemented.
Users can search food/drinks items by names and types on the navigation bar.