

Note: We have not meet with our mentor yet, we will meet Ashna on 2 p.m. this Thursday.

Project Proposal

Team Name:

TeamOfFour

Team Member:

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Part 0.

Programming Language: Python

Platform: Mac

Part 1. Brief description

We are building a web food ordering application for customers who will eat at some restaurant frequently that allow efficient feedback between customers and chiefs which are also shared among customers as a reference to make best customer satisfaction. The users will see the menu with the comments from other people and decide their dishes. The application will allow the user to make quick comments on the food taste after they eat, and will make everyone including chief see it immediately. The criteria include saltiness, sourness, sweetness, etc. Also, there are some ingredient amount that is able to alter such as ginger and some herbs. They are also able to make some customized orders, for example, less salty or less sour.

The user will sign up and make a quick profile about their general taste. The system will send their order to a restaurant in real time and is able to store their previous orders. The system will match very similar-taste customers and pop-up their customizations on dishes as suggestions. The database contains a number of supporting restaurants that could make customized dishes and some dishes information. The restaurant side is able to add and remove dishes (including marking feature dishes and chief's special), provide some taste and ingredient information. After they get the order, they will print the order and the customization to give to the chief. With that feedback and easiness of customization, customers get more satisfaction and restaurant can achieve better performance.

Report Update:

We are using Flask as our framework to write a web application. Languages are python and HTML. The demo is going to be running python application.py and we can operate on the web page. We are going to store them either on AWS MongoDB or run a PostgreSQL on another server or AWS RDS. We are planning to use FourSquare API for restaurant information and some pictures. The static analysis tool is Prospector. The unit test tool is pythonunit. The build tool is pip and continuous integration tool is Github.

Part2. User Story and Acceptance

1. Registration: As a customer, I want to **sign up/sign in** using my username/passcode and build personal taste profile so that my information can be saved for future.
Conditions of satisfaction: I can successfully sign up, create username and password, create the user profile and log in.

Acceptance:

Common case:

A user creates a username with an email address which has not been used: pass.

A user uses an already sign-up username with correct passcode: pass.

Special cases:

A user uses an email address that has already been used: fail and alert an error message.

A user uses a username that does not exist in our database: fail I and alert an error message.

A user uses a wrong password that does not match the username: fail I and alert an error message.

2. Registration: As a restaurant, I also want to sign up/sign in and build up my **restaurant profile** so that it can be viewed by customers.

Conditions of satisfaction: I can successfully sign up, create username and password, create the restaurant profile and log in.

Acceptance:

A restaurant manager who has already posted their information can look at their information and can edit. And also, customers are also able to see their posted restaurant information online.

3. Order: As a restaurant, I also want to get **notification of the new order** details so that we can finish the dishes and deliver as soon as possible.

Conditions of satisfaction: the app can give me new order alert with enough details once customers place an order.

Acceptance: After a customer finishes an order, the restaurant will get a notification as well as all relevant information of the order.

4. Customization: As a restaurant, I want to know and serve for the **personalized customer tastes** so that we can cook better and increase user stickiness.

Conditions of satisfaction: I can see the taste profile and the special instructions of my customer on this app.

Acceptance: Everytime when I get receive orders from the user, I can also get the taste preference profile of the user. The order sent to chief should contain customer preference information.

5. Profile: As a customer, I want to get **restaurants information** so that I can see the menu/reviews.

Conditions of satisfaction: Once I click into a restaurant page I want to see the up-to-date menu, pictures, and reviews.

Acceptance: There is a menu page for each restaurant and the owner account is able to do some modification, such as sold out or change the price. And the menu will change according to the update.

6. Customization: As a customer, I want a **recommendation** of restaurants and hot choices so that I can explore more precisely for restaurants.

Conditions of satisfaction: The taste of recommendation does not conflict my taste of previous order.

Acceptance: There is a list of hot choice on the top or the side of the menu.

7. Profile: As a customer, I want to **modify a dish list and taste requirements** when I place an order.

Conditions of satisfaction: I can add dishes to my cart, edit special taste instructions, place the order, and be able to pay for that on the system.

Acceptance: The customer can edit the cart, give instructions and checkout. The chief should be able to see the customized order and the restaurant should be able to receive the order along with the payment.

8. Order: As a customer, I want my **order history** so that I can easily place a repeated/modified order.

Conditions of satisfaction: The app will let me see my order history, copy them into my new order and edit/add dishes.

Acceptance: There is a history page containing all previous order information.

9. Comment sharing: As a customer, I want to **post my reviews** so that other customers and the chef will know my comments.

Conditions of satisfaction: I can give stars to this restaurant, write reviews and post my order details including special instructions and taste profile.

Acceptance: After submitting that request, the user should be able to see the new review he just posted.

10. Customization: As a customer, I want to modify my **taste preference** so that the chef knows it and cook the dishes better fit my taste.

Conditions of satisfaction: I can make the chef see my taste bias (like I cannot take super hot or I don't like vinegar) and write special instructions for the cooking steps (like how much salt/sugar/water/pepper, the type of cheese/sauce, how long to fry/boil).

Acceptance: There is a preference page and some metrics to be able to modify. After modifying them, the preference page should change accordingly.