

# 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 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 are 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 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 contain a number of supporting restaurants that could make customized dishes and some dishes information. The restaurant side are 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 those 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 mangoDB or run a postgresql on another server or aws RDS. We are planning to use FourSquare API for restaurant information and some pictures. Static analysis tool is Prospector. Unit test tool is pythonunit. Build tool is pip and continuous integration tool is Github.

## Part2. User Story

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 user profile and log in.

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 user profile and log in.

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.

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.

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.

Customization: As a customer, I want **recommendation** of restaurant 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.

Profile: As a customer, I want to **modify dish list and taste requirements** so that I can place a new order. Conditions of satisfaction: I can add dishes into my cart, edit special taste instructions, add my payment/address/contact and place the order.

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.

Comment sharing: As a customer, I want to **post my reviews** so that other customers and the chief 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.

Customization: As a customer, I want the chief know my **taste preference** 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/peper, the type of cheese/sauce, how long to fry/boil).