CS490 Project Backlog
Team FireUp
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1. Problem Statement

We would like to create an application for food lovers to share their recipes and experience. Today, there are all kinds of social networks, but none of them are specifically designed for gastronomist. Therefore, we would like to create one. There are similar systems, such as food52 and Pinterest. Our project will be different from them in the design aspect. We will design it specifically for normal food lovers, gastronomists and even professional chiefs to share their recipes and experience. We will also increase the social network function in this project. For example, we will add instant message and local feed functions.

2.Background Information

a) **Background information about the problem:**
   Domain: Social network application.
   Target users: Normal food lovers, gastronomists and professional chiefs

b) **Similar systems:**
   1) food52
   2) Pinterest

c) **Limitation and solutions:**

Limitation: None of the similar system provide instant message
Solution: We would like to add instant-message function into our application. User can chat with other user in real time. User can look up other user's public information and send request. If other users accept it, they can start their chat within the application.

Limitation: None of the similar system provide location services.
Solution: We would like to add location service into our application. User can look up local feed on food recipe and message board. User can choose whether to share their location or not.

3.Requirements

a) Functional Requirements

1) Sign in, Sign up and password recovery.

As a user, I would like to sign up, sign in and recover my password or username if needed.

Add a sign in page when user open the application. Add sign in, sign up, lost password or username and browse without sign in button. If user click sign in, check username and password with the server. If user click sign up button, redirect to the sign up page. If user click lost password button redirect to the recovery page. If user click browse without sign in, then redirect to the feed page.

2) Instant message

As a user, I would like to chat with other users in real time.

Add instant message function that allow user to chat with each other in real time. Add friend function that users can only chat with their friend. User can look up the recipe find the public

information about the user. User can also send friend request to the user if he or she accept it, they can chat with each other using built-in instant message function.

3) Profile Page

As a user, I would look at other user's profile and share mine.

Users can update their own information and choose what kind of information to share with other users. User can look up other user's public information. On the profile page, there should also have friend request button and follow/unfollow button.

4) Recipe procedure

As a user, I would like to be able to create my own recipe and share it with other users

User can create their own recipe specifying the ingredients and steps for a certain dish and user will be able to share this recipe with other users. User can also update their recipe after share it with other user. User can upload pictures or video for each steps in the recipe.

5) Location sharing

As a user, I would like to be able to share my location while creating my own recipe.

User can share their location when submitting their recipe. User can also choose not to share their location. If user decided to share their location, then their recipe will add to the local feed.

6) Comment on other recipe.

As a user, I would like to write some comments on other people's post to share my ideas and also see replies to my comments.

There will be a comment option on the bottom of each post, all users can read and write comments include the writer. Each time there is a comment update, the writer will be notified, when people reply to a comment, the one who makes the comment will be notified as well.

7) Follow or unfollow other user

As a user, I would like to follow or unfollow other user.

After read each post, users can choose to follow these foodies if users are interested in these food lover. Users can also unfollow user if they want. User will be able to see update on their following user and view their recipe in specific feed section.

8) Recipe feed.

As a user, I would like to view the recipe feed locally and world wide.

User can look up the recipe feed from local feed which is recipe created by user near him. User can also look up the entire feed around the world. User can also look up local feed at specific location. User can also look up recipe feed of other user that he or she is following.

9) Message board. (if time allowed)

As a user, I would like to ask and reply questions in the message board.

User can use message board to post their cook experience and tips. User can also ask questions and reply to other user's questions in the message board. User can look up the message in the locally or globally.

10) Grocery ordering system (if time allowed)

As a user, I would browse and order food from online market.

User can look up item in each online market store. For example, online fresh sea food market and local grocery store. User can browse and order through the application.

11) Daily and weekly notifications. (if time allowed)

As a user, I would like to receive daily and weekly notifications.

User can receive daily or weekly notifications about new recipe of the day, update on their following user and editor's choice. This can be send by the server to the applications and email update.

b) Non-Functional Requirements

1) Quick response time

As a user, I would like this application has quick response time.

The user interface of each page should have quick response time. The connection to the server should be as quick as possible.

2) Password encryption

We will implement a hashing encryption or other method to protect user's password. Apply the same encryption when verifying user login.

3) Platform scalability and usability

If we decide to use Parse for this project, the scalability for free account is 1000 request/s. We will upgrade it if needed. Another possible platform is MYSQL and PHP script to handle the data manipulation. We will use Swift to build this iOS project. The UI implementations should be user friendly and easy to user.