**PROJECT PROPOSAL**

**FOR**

***DINE TOGETHER SYSTEM***

Version: *2.1*

***MAY 2016***

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# PROJECT BACKGROUND

Eating with a group of people is happier. Or somebody may say, always eating with the same group of people is boring. So, we may find someone to dine with us.

Sometimes, trying some set menus, like Chinese set menu for 16 people or Valentine Day’s menus, which requires specific number of people. Therefore, it would be perfect if I could find some people who also want to try the same set.

And people may want to find friend share the same taste and interests. For instance, cat lovers may like to go to cat cafes with cat lovers met on the Internet and people who Japanese culture may want to try to go to maid cafe with others.

Also, someone may want to find a listener. Like talking secrets to strangers.

Maybe it is useful if we can search for some restaurants by restaurants’ general information, keywords in the menus, comments, photos, and videos.

Now, “Dine Together System” can help us find “dinning partners” and solve the situations above.

# PROBLEM / IMPROVEMENT AREA

Although there are similar systems for searching restaurants and giving comments, it is users difficult for them to find “eating partners”. To solve this problem, members of the system are required to select their own taste and interest during registration. Afterwards, the related forum will be suggested to them. In the forum, members can look for people that have similar interest and look for his/her own “eating partners”.

Although can invite people to dine, they may absent. To solve this problem, earnest money is required to pay before.

To prevent swindlers, mobile phone number verify is required during registration. Also, other members can report the swindler to the administrator.

Moreover, such system may hard to derive income. But it is believed that the system can earn money by advisements, such as suggesting location, suggesting events and giving out discount in this site.

# SYSTEM INTRODUCTION

In the Dine Together System, there are three subsystems: Membership Management Subsystem, Dining Event Subsystem, and Restaurant Comment Subsystem.

Membership Management Subsystem allows visitor can register as member; member can login, modify interest, check member point, use member point, send friend request, accept friend request, delete friend request, personal message delivery; at the same time, administrators can warn, ban, and delete account.

Dining Event Subsystem create dining event, invite specific member to join the dining event, modify created dining event, delete created dining event, join dining event and search dining event, give comment to dining event creator, and give comment to dining event participants, and dining event alert, set requirement (e.g. location, time, minimum and maximum number, members’ interest, and private or public, etc.); at the same time, administrators can warn, ban, delete member accounts, and delete event.

Restaurant Comment Subsystem allows all people search restaurant, members give comments, upload photos and videos; restaurant owners register restaurant information, management restaurant information, make discount, and advertise; administrators can warn, ban, delete member accounts, delete restaurant, delete comment, delete photos and video.

# PROPOSED SYSTEM

The proposed system mainly has three types of users: Member, Restaurant Owner, and Administrator. And there are three subsystems: Membership Management Subsystem, Dining Event Subsystem, and Restaurant Comment Subsystem.



Figure 4.1 Use Case Diagram of Membership Management Subsystem

Membership Management Subsystem allows visitor can register as member; member can login, modify interest, check member point, use member point, send friend request, accept friend request, delete friend request, personal message delivery; at the same time, administrators can warn, ban, and delete account.



Figure 4.2 Use Case Diagram of Dining Event Subsystem

Dining Event Subsystem create dining event, invite specific member to join the dining event, modify created dining event, delete created dining event, join dining event and search dining event, give comment to dining event creator, and give comment to dining event participants, and dining event alert, set requirement (e.g. location, time, minimum and maximum number, members’ interest, and private or public, etc.); at the same time, administrators can warn, ban, delete member accounts, and delete event.



Figure 4.3 Use Case Diagram of Restaurant Comment Subsystem

Restaurant Comment Subsystem allows all people search restaurant, member give comments, upload photos and videos; restaurant owners register restaurant information, management restaurant information, make discount, and advertise; administrators can warn, ban, delete member accounts, delete restaurant, delete comment, delete photos and video.

# SUMMARY

In the Dine Together System, there are three subsystems: Membership Management Subsystem, Dining Event Subsystem, and Restaurant Comment Subsystem.

Membership Management Subsystem used for managing function related to membership.

Dining Event Subsystem used for set up or join a dining event.

Restaurant Comment Subsystem used for find and comment restaurant.

This system hope to let members to find their dinning partners, make new friends, share delicious food, and make comments on food; restaurant owners promote their restaurants, and make improvements.