**CS 2102: Group Project**

# **Group 57 – Restaurant Reservation**

# **Group Members:**

## Oliver Zheng

## Adrianna Fu

## Lua Jun Kai Edenuis

**Project Responsibilities**

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| Oliver Zheng | Developed majority of the web-application, helped in designing the ER Diagram, wrote some of the minor queries for database. |
| Lua Jun Kai Edenuis |  |
| Adrianna Fu |  |

**Project Description**

Our project allows two types of users to use the website: the main user being the customer, who chooses a reservation time for a specific restaurant and the other user being the restaurant (branch) owners, who can respond to reviews.

All application users can:

* Create an account w/ a unique email address

Customers can:

* Search up restaurants based on name, area, and price range
* Make reservations at a restaurant branch for a time/date in the future and a set # of guests
* Leave reviews for restaurants they have visited
* Earn points for making reservations
* Use points to redeem incentives (discounts and rewards)

Owners can:

* Respond to reviews from customers
* See reservations
* Post photos?

**ER Model**

**Relational Schema**

Users(uid, email, name, password)

Restaurants(rid, name, type, description)

Branches(bid, rid, pNumber, address,location)

Owners(uid, bid)

Customers(uid, address, pNumber, rewardPt)

Ratings(rtid, uid, score, review)

Incentives(iid)

Discounts(iid, percent)

Rewards(iid, rewardName, value)

Choose(timeStamp, uid, iid)

Gives(timeStamp, uid, rtid, bid)

Response(timestamp, rtid, bid, textResponse)

Photos(pid, rid, caption, file)

Reserves(reserveId, timestamp, guestCount, uid)

Tables(tid, time, bid, reserveId)