SPECIFICATIONS

A restaurant app with the following types of users and user specific functions:

Note about Database:

The database only stores dishes in the menu, reviews, and inventory. Orders placed are not stored in the database, so if the program is re-run, any previously placed orders will be deleted.

New Functionalities Since Phase 1

1. Customer can edit the dishes in their order before the order has been placed

2. Manager can decide to delete the reviews under rate 3, 2 or 1.

3. Manager can choose to edit specific dishes.

4. Manager can decide by how much he or she wants to decrease or increase the price and calories of that specific dish.

5. Manager can view the list of existing staff and enroll new staff.

6. Delivery staff can view the destination of an order on map and find route to the destination using map.

Customers

- Customers can see the menu and prices and names of food items

- Customer can place either a Dine-in order or Delivery order and specify their table number or delivery address respectively

- Customers can order different quantities of food and see their total price

- Before the order has been placed, customers can edit the dishes in the order

- Customer can leave review (see "Review" section)

Kitchen

- Kitchen always has the order with the highest priority (the order placed earliest) that they need to work on. They see a list of dishes and its corresponding quantity for their current order and can mark a dish as complete when they finish cooking it.

- The kitchen receives notification when a new order comes in.

Delivery Staff

- Delivery services—takeaway staff who can see the order's destination, dishes.

- Delivery staff can request an order to deliver when a delivery order is prepared by the kitchen

- Delivery staff can check on the map of the destination of an order.

- Delivery staff can find a route to the destination of the order using map.

- After delivery an order, delivery staff will mark the order as completed.

Serving Staff

- Serving staff can get a dish to serve

- Serving staff can see the dish's name and the table ordered

- After serving a dish, serving staff will mark the dish as completed

Manager

- Manager can choose a specific dish to manage.

- Manager can manage this specific dish by either deleting it or editing it. If edition is chosen, the manager can choose to increase or decrease the price or calories of this dish by any amount he or she wants to.

- Manager can choose a certain rate and delete all reviews of the customers less or equal to that rate. Since the rating level is from 1 to 5, the manager can choose 3, 2 or 1 as the threshold level.

- The manager can view the list of existing staff.

- The manager can enroll new staff by entering the name and password of the new staff, as well as selecting the correct user type. After enrollment (clicking the save button), the pop-up window will tell the id of the new staff for login.

Inventory

- Inventory items have incremental id when one is stored in the data structure.

- Inventory stores the ingredients of the restaurant, provides search and

update functions to check the availability of ingredients and get new ingredients in.

- Inventory reads and writes data files to keep track of the inventory status, including the ingredients' type, amount, and status (fresh or frozen, available, or used up)

Review

- Customers can provide a review and rate their experience. The review may be anonymous.

- Review reads and writes data files to keep the customer's reviews.