

Database Systems Project

Tasmiya Malik, Ifrah Ilyas, Hana Ali Rashid

Project

Catering Service Management System

Description & Assumptions

The system will function as follows:

- A *Customer* will enter their details in the system. There is no login feature but the system will check if the customer already exists in the database using their email. If not, their details will be inserted.
- The customer will then choose *FoodItems* and add them to their *Order*.
- Each food item will belong to a *category* such as Rice, Burgers, Rolls, Frozen etc.
- Each food item will also have a *serving size* (Single/Family) that will determine the *amount* (in grams/number of pieces depending on food) as well as *unit price*.
- When a food item is selected, the maximum quantity available will be displayed based on the ingredients available.
- Deals and weekly menu will be displayed.
- There are different deals the customer can choose. A deal may be permanent or be only valid for a particular time interval.
- When checking out, the *Customer* will determine the *payment method* (online or cash on delivery). The *total cost* of the order will also be calculated and *delivery charges* will be added as well.
- Delivery charges are fixed regardless of customer location.
- The system will update the *ingredients* left when the order is confirmed.
- The *status* of the order (In Process or Delivered) will also be maintained.
- The *Riders* will pick their orders based on the order *region* and therefore optimize the route themselves. They will record the cash they *receive* and any cash they *return* to the customer. Once the order has been delivered and money has been received, the Rider will update the order status and the order will officially be complete.
- Cash returned/received is only applicable for orders where payments are not made online.
- The order status will initially be "In Process" after the order is confirmed. It will be marked as "Delivered" by the Rider when they deliver it.