ASSIGNMENT 1

COMP2606 - SOFTWARE ENGINEERING

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- 1. Cook
- 2. Waiter
- 3. Busboy
- 4. Manager
- 5. Host
- 6. Customer
- 7. Database

Goals of Actors:

Cook: The cook will view the list of food items to be cooked attending to each dish on a first-come first-serve basis. When the items are ready for a table the cook will notify the relevant waiter.

Waiter: The waiter tends to many tables. The waiter keeps track of their tables, the food items to be served to the respective tables, the tabs of the customers. The waiter notifies the host of an empty table or a table that needs to be cleaned.

Busboy: The busboy washes the dishes and all required utensils after the customer has completed their interaction with the dishes. They would be able to view real time floor status allowing them to know which tables are occupied, need to be clean or which table is clean.

Host: Greets the customers as they enter the establishment. The host views the status of the tables to determine where to appropriately seat the customers. The host then notifies the waiters of available customer tables to attend.

Customer: The customer is the restaurant visitor who may choose to dine-in or take out, view the menu, order a meal, eat and pay. The goal of a customer is to have an excellent experience with great service.

Manager: The manager is responsible for the maintenance of inventory, employees, monitors all aspects of revenue.

System Database: The system database is responsible for the organisation of customers payments, customer orders, employees' personal records, salary records. It also tracks trends showing high and low traffic.

Eight Functional Requirements:

- 1. The application should allow person to reserve a table at the restaurant
- 2. Customers should be allowed to select an empty table.
- 3. The application should present a menu to seated customers.
- 4. The waiter sends a customer's order through the application to the chef.
- 5. The application should notify the waiters when an order is finished.
- 6. The application should allow the host to set which tab minutes le is available or unavailable.
- 7. The application should allow the busboy to see which table needs to be cleaned.

8. The application should allow the manager to view the inventory and give administrative access to the manager.

Non-functional Requirements:

- Logins should be simple and take no longer than 2 minutes
- Tables are coloured according to status such that waiters can more quickly and easily read the room
- There should be role personalised interface screen that instantly come up after login
- Analysis should be auto generated every week for managers review

USE CASE DIAGRAM

