

ASSUMPTIONS:

1. One customer will be seated at one table and served by one waiter.
2. Each order will consist of eating, sides, and drinks.
3. The kitchen will handle orders one at a time, from a queue as there is no multithreading.
4. One customer is assumed to be one or more people with a single person paying.
5. There is a set menu for customers to order from.
6. Other customer has been served an order they immediately pay and leave the restaurant, freeing up a table.
7. Waiters will be assigned specific customers and once served the waiter is free again, like a stony.
8. Customers will have a satisfaction level based on how fast the food was made and served.
9. Tables will always be able to seat a customer if no customer is already seated, regardless of the number of people the customer represents.
10. We are modeling only a single restaurant, this is why singleton was used.
11. If a customer orders an item, it is assumed they use effort 5.

We will implement a system where when a customer places an order, a timer will start, when the order is received the time elapsed will be compared to a random number and from the customer class will be determined after that.

