List needs to be sorted by
TOA

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Reservation

name: String
people: int
contactnumber: String
TOA: DateTime/long
table: Table

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assignTable(table)

Restaurant

name: String
address: String
email: String
phone: String

funds: Double

menu: Set<Dish>
inventory: HashMap<Ingredient, Int>
reservations: LinkedList<Reservation>
waitingList: WaitingList
tables: List<Table>

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makeReservation(..): Reservation
cancelReservation(..): Reservation

purchaseIngredients(..)

create/edit/deleteOrder(): Order

nextInLine()

Table

ID: Int
Size: Int
IsAvailable: Boolean

Dish

name: String
type: enum
price: double
ingredients: List<Ingredient>

Ingredients are removed from restaurant on constructor

WaitingList

name: String
people: int
contactnumber: String

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push()
pop()

Ingredient

name: String
price: Double

Order

date:
id: int, resets each day
restaurant: Restaurant
dineIn: boolean
paid: boolean
orderContent: List<Dish>
table: Table

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getTotal(): Double
payForOrder()

inventory: keys are
ingredients, values are count

nextInLine iterates through
waitinglist and removes first
element with people <=
available table's size