

# Order-System

① Customer enters the hotel.  
→ check whether any table is empty

① If Empty → Alloc  
② Else → Wait ✓ table

✓ Alloc

② Show them Menu.

③ Customer will choose the  
Items from Menu

Veg/  
Non-Veg

④ After successful Ordering, wait for certain  
time until the Order get Served.

⑤ Order get Served.

⑥ Finished eating.

→ [Give a review on  
Items which are not good]  
→ else → Not required + (review for  
Service)

⑦ Show the bill

⑧ Payment.

⑨ Clear-Table / Exit.

## Constraints

Each-table → 4 persons

If more than 4, Need to merge  
(2 or more) according to number  
of people in family.  
[wait till other tables are freed]

max. wait-time → 20 minutes

Menu → { Continental  
Chinese  
Indian }

Continental - {  $\equiv$  } | Chinese - {  $\equiv$  } | Indian - {  $\equiv$  }  
(with price)

(if not available, mention them, that it's  
not available, and ask them if they  
need any other items in place of them)  
(Each Item has min-time to get prepared)

[if order gets delayed more than max-time  
a customer can wait, ~~100% discount~~ 10% for  
Gradual decrease in price 100%

[Average. est-time / Customer -  $(\frac{n(\text{Items})}{n(\text{people})} \times 15)$  min]

→ [if the Item taste bad,  
→ 50% return]

→ [max. refund → 25% of total  
order-value]

[Show the bill including any  
(-) refunds]

[if more than bill value get  
paid, mention the tip value]

[add table to empty tables for  
New Customers]